

## The Transport Program



We are Fliegl



# AGRICULTURAL TECHNOLOGY FROM MODERN PRODUCTION

The Fliegl works is one of the most modern works in Europe. Here innovative vehicles and agricultural machines that make agricultural work simpler, more effective and more economical, are developed.



For tens of years the name Fliegl has stood for quality, and well thought out practical solutions for agriculture. These are the advantages that has made Fliegl no. 1 in Europe in the area of agricultural trailers. It does not matter if dumpers, original push-off trailers, liquid manure technology or harvesting logistics: With Fliegl you always have the optimal transport concept.







MEMBER OF



### **Switch on to full power!**

“Power On!” is Fliegl’s moto. It is a clear start signal and at the same time motivates maximum performance. With the new works, we offer entirely new possibilities for farmers, contractors, trade partners and employees. Yet more capacity and shorter delivery times from one of the most modern production plants in Europe.

### **Innovative products in top quality**

Just because an idea is new, does not mean it is good. In Fliegl, everything is checked and tested thoroughly. We know the demands of the market and we talk with the users. With modern CAD offices, our engineers and designers develop products that are harmonious in detail, and have clear practical advantages. Innovations from Fliegl Agrartechnik are always tangible solutions for specific tasks.

### **German quality in worldwide use**

In spite of globalization Fliegl develops and constructs consistently in Germany. One reason for this is the qualified specialists. Whether engineers of apprentices: We are set on competence, we are always expanding, through our own further and advanced education and training. Another factor is that high technical standard in Germany. Ideal conditions that come from our ideas lead to the quality products, that you expect from the name Fliegl.







## Push-off Trailer ASW »Gigant«



We are Fliegl

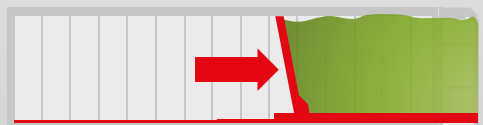
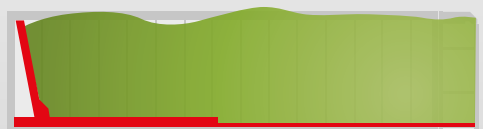
# THE FLIEGL PUSH-OFF TRAILER TRULY MULTI-PURPOSE – THE ORIGINAL

It combines and optimises the features of all known transport systems.

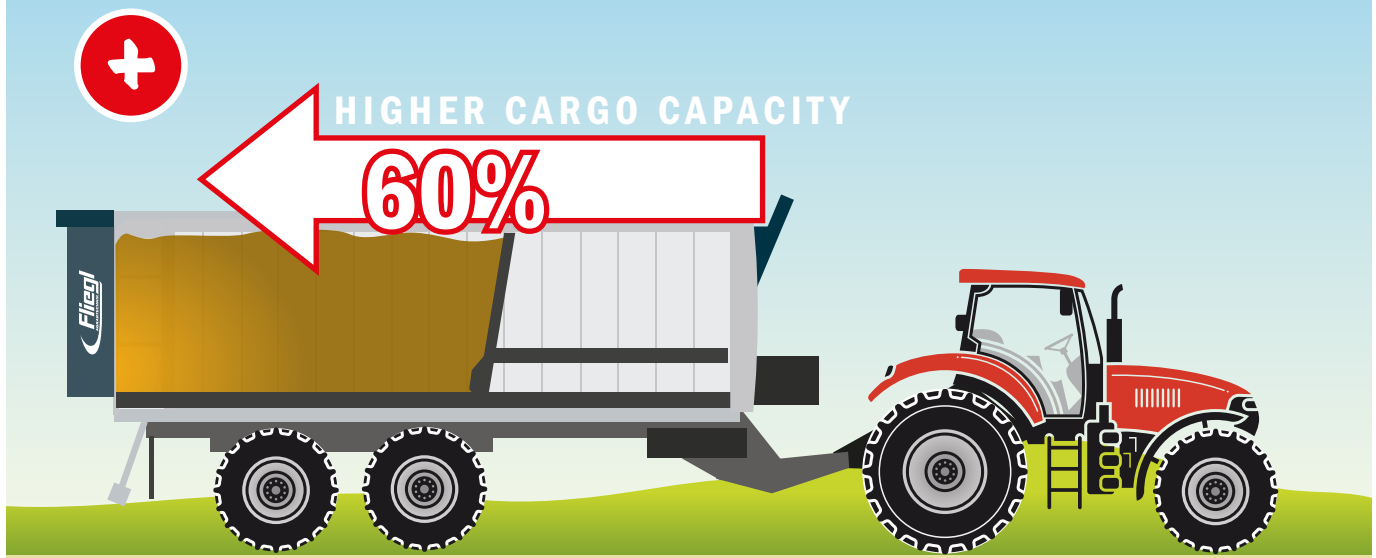


## The advantages over other systems:

- + The extremely robust Fliegl push-off system is also very well suited for heavy goods
- + Up to five times faster unloading times.
- + Up to 60 % more cargo capacity due to compression (depending on material)







## ADVANTAGES COMPARED TO OTHER SYSTEMS

### Advantages compared to the tipping system

- Better driving and unloading stability due to lower centre of gravity.
- Up to 60% more cargo capacity due to optimum compression depending on material and moisture content
- Trouble-free push-off also in low buildings.
- Low net weight due to the integral construction.
- Less oil needed as no telescopic cylinders are used.
- Even high volume trailers up to 70 m<sup>3</sup> will unload safely - even on a hillside.
- Within a few minutes a spreader module can be fitted to the trailer.

### Advantages compared with the walking floor system:

- The extremely robust push-off system will also handle cargo of heavy material.
- The unloading time is up to five times as fast.
- Up to 60 % more cargo volume due to compression (depending on type of cargo).

### Advantages compared to the system with bottom chains

- More effective and safer due to the universal application.
- More robust and dependable as there are no sensitive wearing parts.
- Higher cargo capacity due to lower power requirements and better compression.
- A spreader module for any kind of spread material can be fitted within a few minutes.
- With a transfer auger the “Gigant” transforms to an effective chaser bin.
- Beater bars ensure an even distribution of silage in the silo.
- Push-Off system gains additional cargo capacity due to a 20-30 cm lower platform height
- Safer transport of pallets.



Pushing off, no tipping – trouble-free also in low buildings



Solid and reliable Push-Off system – no sensitive wearing parts



Additional cargo capacity due to lower platform height.

# ONE PUSH-OFF TRAILER - NUMEROUS OPTIONS

The push-off trailer "Gigant" can be used all year long. Whether grass or maize silage, potatoes, big bales, heavy materials or snow – the flexibility and push-off power has no limits.



Top: spreading of solid manure with the Profi 2015 spreader - gate closed  
Bottom: spreading of fermentation substrate with a closed Profi 2015 spreader

Top: spreading of wheat with the 400 distribution module  
Bottom: transfer of wood chips with the with 600 transfer auger

Transfer of grass or wood chips with the „MobilFast“ overhead transfer unit



## The application possibilities for your push-off trailer

Operation area	January	February	March	April	May	June	July	August	September	October	November	December
Grass silage												
Maize silage												
Grain maize												
Grain/rape												
Suger beets												
Potatoes												
Muck spreading												
Compost												
Bale transport												
Wood chips												
Transport of pallets												
Gravel												
Snow												



Transportation of big bales

Optional: dosing beater bars

Large rear panel with unloading dispensers. The integrated cross conveyor belt and the beater bars ensure unobstructed feeding in the barn - ejection both left and right



# TRAILER AND SEMI-TRAILER MADE OF ALUMINIUM

Less consumption | Less wear and tear | Less emissions  
Less tyre wear



**LESS ENERGY CONSUMPTION    STRONG IN VOLUME    LIGHT WEIGHT    MORE**



Special frame construction of high-strength fine grain steel.  
The entire frame is weight optimized.

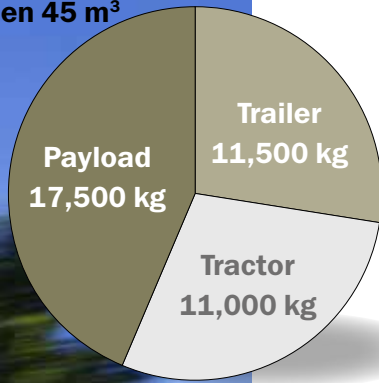


As tandem-version: ASW 271 and ASW 281  
As tridem-version: ASW 381 and ASW 391

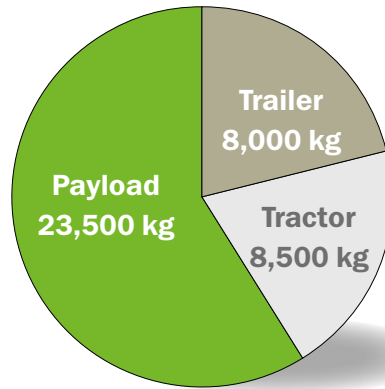




**Large volume -Transport vehicle**  
 (Tipper resp. chipper wagon)  
 Load volumen 45 m<sup>3</sup>



**ASW 381 GREEN-TEC**  
 Load volumen 45 m<sup>3</sup>



**6000 kg**  
 = more payload

ca. 34% more load legally possible!



**PAYLOAD**



Use in harvest with semi trailer  
 GREEN-TEC ASS 388



# COVERING SYSTEMS

## COVERING NETS »SPEEDCOVER«

- Suitable for nearly all vehicles
- Does not hinder the loading area



## EASY AND EFFECTIVE – THE PUSH-OFF TRAILER TARPAULIN

- For easy and quick covering up of goods – can be operated from the ground!
- Protection against water.
- Available for all push-off and Bull dumpers up to a length of 10.10 m.





# THE FLIEGL »TOPLIFT« LIFTING ROOF

Hydraulically controlled, two-part roof system



Raising through spring tension



It can be opened and closed to face both sides in no time at all



Protection device against soiling and damage



Hydraulically driven oil motor, for the collecting in the covering net



It can be opened and closed on both sides, in the shortest possible time.



Problem-free unloading with an open top

## ASW ROLLABLE TARPAULIN FOR ASS





# COMBINED TRANSPORT AND VOLUME TRANSPORT - WELL EQUIPPED FOR ALL SITUATIONS ...

Modern transport technology and transport logistics are the consistent answer to ever higher harvest output and ever longer transport routes.



Agricultural dolly with 600/55R26.5" tyres



On-board hydraulics with universal drive shaft  
— optional.





## DOLLY SYSTEM

The best equipment for every application

### THE PERFORMANCE DATA IN BRIEF:

- Single-axle dolly with 10.5 tonnes trailer coupling loading and 12.5 tonnes total weight
- Tandem dolly with 17 tonnes trailer coupling loading and 20 tonnes total weight
- optional pneumatic suspension (lifting and lowering)
- Mechanical fifth-wheel adjustment as standard  
Hydraulic option



Hydraulically moveable saddle plates with single-axle and tandem dolly



Mechanical fifth wheel adjustment for single-axle and tandem-Dolly



# VOLUME TRANSPORT WITH SEMI-TRAILER ASS



Optimized weight with side panels made from aluminum, Volume 55 m<sup>3</sup> superstructure approx: 7.100 kg



ASS 3102 with a capacity of 56 m<sup>3</sup>



Double semi-trailer with 60 m<sup>3</sup> capacity.

## The Fliegl push-off semi-trailer »ASS«:

- Available as double-axle and tri-axle
- Body lengths from 8.800 – 12.500 mm
- Parabolic or pneumatic suspension
- Lifting or steerable axle available as an option
- 40 / 60 / 65 and 80 km/h versions available
- Filling volume up to approx. 78 m<sup>3</sup>
- Also available in aluminum



## THE »AGRO TRUCK«

- Load volumes from 38 m<sup>3</sup> to 45 m<sup>3</sup>
- 37 tonnes total technical weight
- Higher ride comfort, combined with the proven Fliegl Push-off System (removable)
- 65 km/h performance

Space-saving and compact construction characterise the Fliegl "Agro Truck"



### The push-off tanker

All-rounder for road transport for bulk goods (50m<sup>3</sup>) and liquids (26m<sup>3</sup>)



The weight is over the drive axles – which means better traction



An all-wheel-drive MAN 8x8 serves as the base chassis for a push-off container with 45 cubic metres of space and a "SpeedCover" for securing loads

## SPREADER MECHANISM

Fliegl spreader mechanisms bring the most varied of materials on to usable farmland areas precisely and evenly. Through this the effectiveness of the applied manure is optimized and the need to buy in additional artificial fertilizer is either reduced, or eliminated altogether. In this way time and money can be saved.



The spreader mechanism is operated mechanically via a driveline

### **PUSH-OFF TRAILER »GIGANT« COMBINED WITH HIGH-PERFORMANCE SPREADER ...**

- Easy to retrofit on all Fliegl push-off trailers
- Within 20 minutes you can convert your push-off trailer into a professional manure spreader
- Universal use of all spread materials, e.g. cattle and poultry dung, bulk and/or liquids like sewage sludge, compost or lime
- Fine and wide distribution which is adjustable
- Spreader with vertical beater bars ensures enormous capacity – very suitable for silo distribution in horizontal silos (picture below)





**VARIOSENS**

## PERFECT SPREAD PATTERN WITH FLIEGL VARIO SENS SPREADER CONTROL SYSTEM FOR “PROFI 2015“ AND “STANDARD 2015“ SPREADERS



The ISOBUS Multi-Control is a multi machine control system. It allows the parallel use of Fliegl Vario Sens and e.g. Fliegl Trailer Control. The Multi Control simplifies the work of the user and rises furthermore the efficiency of the application

### Stepwise in one pass – automatic:

- 1 Check and control of the PTO revolution speed
- 2 Opening of the optional tailgate, e.g. with solid manure
- 3 Opening off the guillotine gate
- 4 Unloading at maximum speed
- 5 Control of the push-off wall according to the moment of torque
- 6 Two automatic push-off steps for complete emptying
- 7 Return of push-off wall at maximum speed
- 8 Closing of tailgate
- 9 Closing of the guillotine gate

PTO sensor for determination of the torsional moment

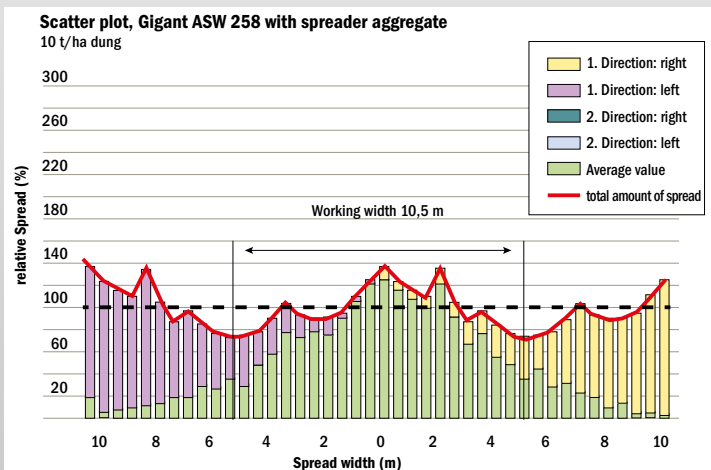




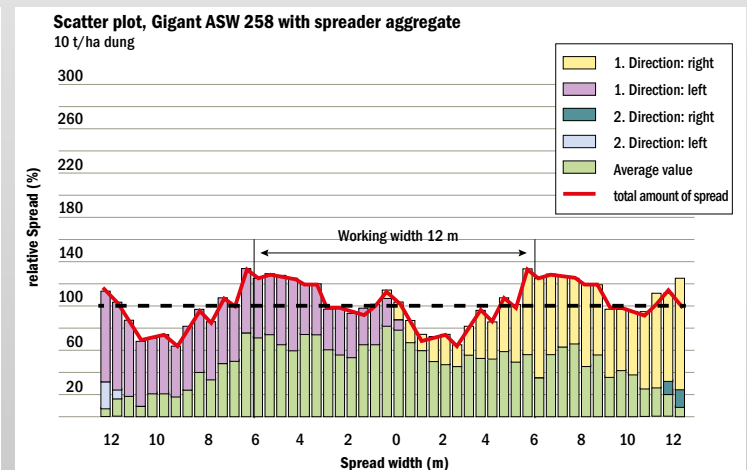
# SPREADER »PROFI« - DLG TESTED



## BASIC AND COMPLETE SCATTER PLOT WITH OPEN REAR GATE



## BASIC AND COMPLETE SCATTER PLOT WITH CLOSED REAR GATE



## ASW 373 »TIGER«

Side panels made of wear-resistant 400 HB steel.  
Heavy-duty spreader with milling tool made of 400 HB



Within 20 minutes the spreader is demounted with a forklift



Spreader "Profi" with closed gate  
Spreading width approx. 22 m



Automatic push-off regulation



ASW 373 Tiger with protective grille  
to prevent ingress of foreign bodies





# »PROFI V2« SPREADER



The fully galvanized spreader is in-built as standard. The spreader bearings can be accessed via a central lubrication strip for ease of maintenance.



»STANDARD V2n« spreader  
For ASW 110 and ASW with low design





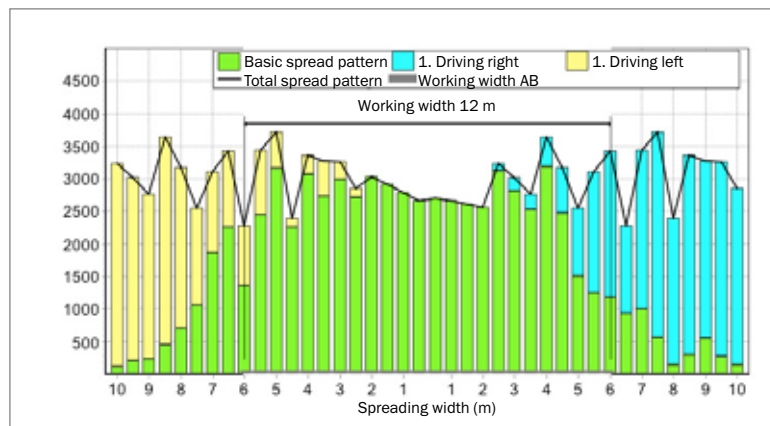
Mechanical folding side panels



»Profi V2« spreading mechanism with closed rear spreader panel with a spreading width of 18 - 27 m

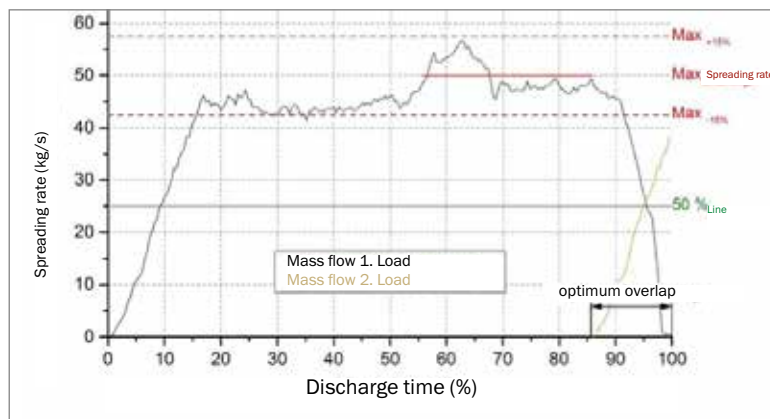


### ASW 271 WITH PROFI V2 MANURE SPREADER 30 T/HA (DUNG) WITH OPEN REAR FLAP



Speed: 5.5 km/h | variation coefficient (VC): 13.2% | ++

#### Linear distribution



Variation coefficient (VC): 9.79% | ++



#### Profi V2 spreader with discharge rotors:

- easy start
- not affected by foreign material
- reduced gearbox wear and low maintenance

DLG rating scale	VC% > 20 to 25	=	0
	VC% > 15 to ≤ 20	=	+
	VC% ≤ 15	=	++





# OVERHEAD LOADING TECHNOLOGY

Fliegl overhead loading technology for top performance in transport logistics

## TYPE 400 OVERLOADING AUGER

Overloading augers for harvesting grain with overloading capacity up to 440 t/h.



Overloading pipe 400 mm diameter  
Folds hydraulically



Easily attached to all ASW types



Hydr. manure spreader allows the overloading auger to be completely emptied when loaded



# TYPE 600 OVERLOADING AUGER

Overloading auger with special milling drums for maize silage, wood chips, dry poultry manure, compost etc.



Overloading wood chips



Overloading height 4.30 m  
(depending on tyres)



Overloading capacity up to 14 m<sup>3</sup>/min.



# HIGH-PERFORMANCE OVERHEAD TRANSFER BELTS

## “MOBILFAST“ OVERHEAD TRANSFER BELT

Wear-resistant flat-link chains | hydraulically retractable transfer mechanism | propulsion via driveline

Ideal for compost, wood chips,  
maize, grass and sugar beets.

Not suitable for grain



Extremely powerful · Overhead transfer height from 5.00 m

Transfer power: 18 - 30 m<sup>3</sup> per min.

Stable overhead transfer mechanism with  
moving floor power unit



Cleaning rollers



## OVERHEAD TRANSFER “POMOVER“

Hydraulically folding overhead transfer unit »POM-Over«  
mit Reinigungswalzen e.g. for potatoes, carrots etc...



## “RUBY” TRANSFER BELT

Preparation of beet clamps to a width and height ideal for unloading can also load on trucks.

# RUBY



Trucks can also be conveniently loaded in the shortest possible time

### ADVANTAGES

- greater production when harvesting sugar beet by unloading during grubbing
- simplifies harvesting with large lay lengths, particularly if the grubber storage volume is restricted
- clean clamp preparation
- overloading on truck trailers
- unloading output approx. 750 tonnes per hour (depending on overloading height)
- unloading height hydraulically adjustable between 1.70 and 4.00 metres
- can be emptied up to approx. 15 cbm/min
- tyres with less soil compression – different types available – for low ground pressure, easy towing and low fuel consumption
- convenient electro-hydraulic operation



# STEERING SYSTEMS

Mechanical and electronic forced steering



No mechanical restrictions – full steering lock

## ELECTRONIC FORCED STEERING »FORCON«

Optimal tracking, even on greasy paths

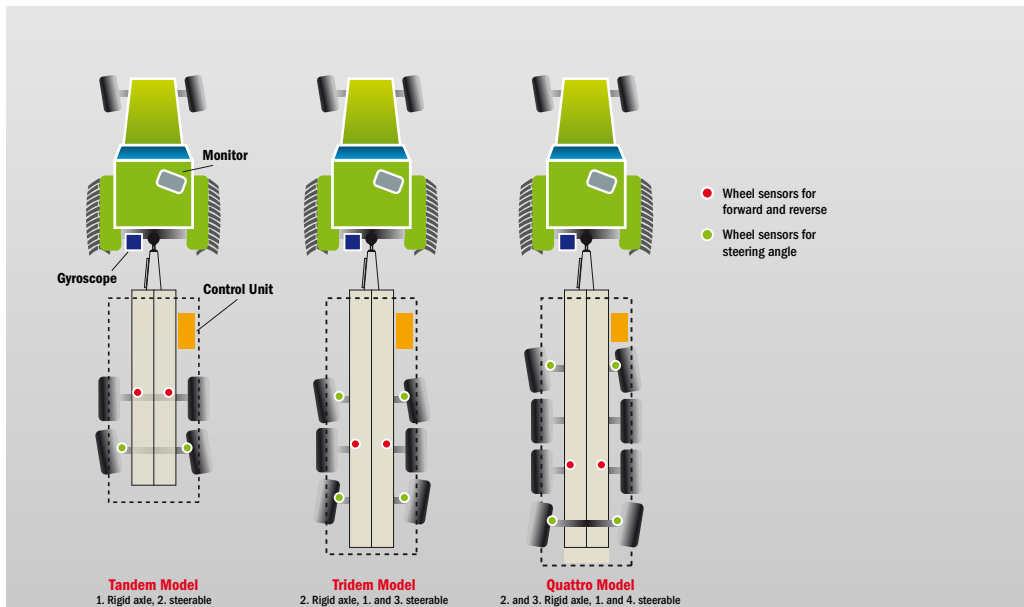
Steering stability and stable forward driving on the road

The lowest tyre wear even in the tightest curves

Steering function also whilst reversing



Gyroscope





## MECHANICAL FORCED STEERING

Forced steering with hydraulic actuation



Steered



Straight travel

### BPW axle

BPW steering axles with wave-form thrust bearings. They keep the wheel straight ahead when driving straight and turning, with the lateral forces on the tyres pressing the thrust washers over one another. After the turn the straight setting is automatically restored by the weight of the vehicle.





# MANY YEARS OF ENGINEERING EXPERIENCE HAS RESULTED IN A HIGH CLASS FLIEGL CHASSIS

For safe vehicle handling, even in extreme driving situations!

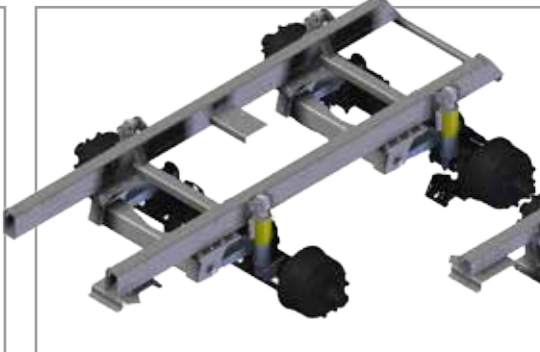
## The Fliegl swap system

Starting with the ASW 256 GIGANT push-off trailer, the chassis fitted as standard will be swap-body chassis. Your push-off trailer is thus a true all-rounder.

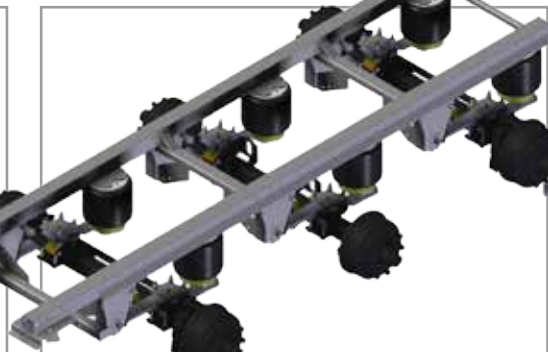
Due to the standard container locking the Push-Off Trailer can be fitted on any container trailer. On request also available as hook-lift trailer.



Titan tandem assembly for the best ride



Hydraulic axle springs



Pneumatic suspension





Cylinder for hydraulic hoisting system

»Gigant«

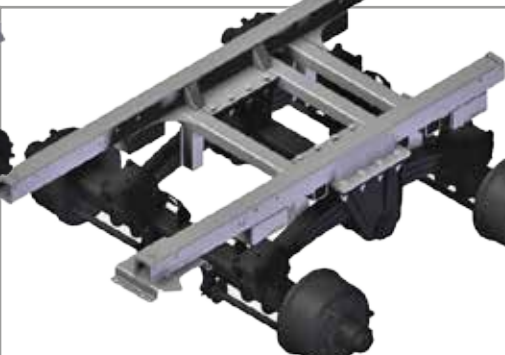


- 1 Container locking
- 2 Drive-line for spreader, transfer auger, distribution module
- 3 Sprung drawbar
- 4 Swivel drawbar to make high- and low hitch possible, standard equipment

»Gigant Plus«

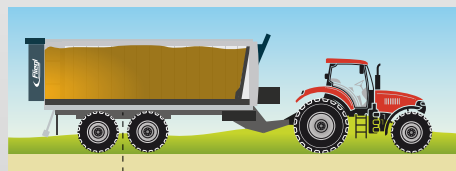


Hydr. axle shift

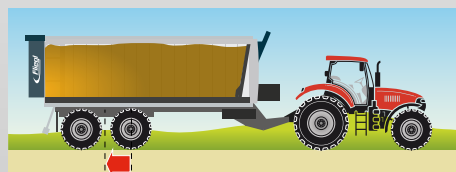


TitanPlus

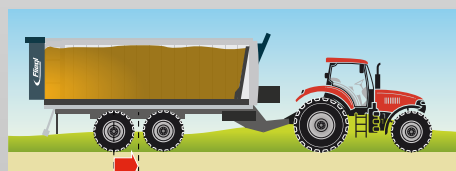
### Adaptable – the Fliegl movable axle



Optimal adaptation of the payload through mechanical axle shift (fitted as standard) or smooth hydraulic operation (optional)  
 Adaptability options of the payload also by mounting of accessory equipment (e.g. spreading equipment)



Storage of the axles, at the rear in off-rad operations  
 High payload = high traction of the towing vehicle



Storage of the axles, at the front in road operations  
 Less payload = better ride and less wear



# ACCESSORIES – QUALITY IS IN THE DETAILS

In this way you can make your Fliegl push-off system even more powerful.



Grin panel extension: Can as standard be adjusted mechanically (hydraulic adjustment is optional).



Folding panel



Drop support foot



Hydraulic support foot



Rear-view camera



Large rear gate with grain slider.



Hydraulic tail gate  
Standard equipment on all versions.



The fall breaker prevents damage caused through dropping the harvested potatoes



40 km/h-Version with folding underride guard (Germany)



Warning light (to signal that the rear panel is open)





Lowered hitch ...



... can be swivelled on raised hitch



Hydraulic tow bar suspension starting with the ASW256 - trailer height infinitely variable



Swivel Pitonfix



Pitonfix



DIN pulling eye



Ball-type coupling



Ladder



Mechanically folding underride guard  
Optional



Special sealing of polyetherane: Due to a special sealing at an angle of 45° in the Push-Off mechanism the "Gigant" is absolutely grain tight.



Automatic press valve – the compression of the cargo is automatically pressure controlled





# FWS ISOBUS WEIGHING SYSTEM A MILESTONE IN WEIGHING TECHNOLOGY

The FWS ISOBUS weighs directly in the field, even on sloping ground, extremely accurately, quickly and with no recalibration required.



Uninterrupted recoding of the transport route.

Recording of the loading and unloading operations.



Exact location fix possible via GPS receiver



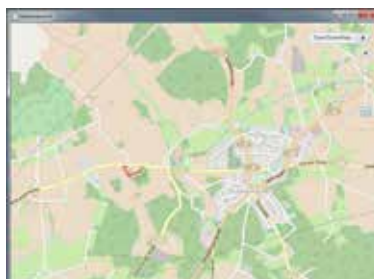
The computer – well protected mounted on the chassis, absolutely safe, even under the hardest conditions



Digital CAN-Bus weighing cells provide exact weight data



That takes care of data transfer per USB stick.



**MapDoc**  
Informationssystem

Evaluation of the weight and journey data collected

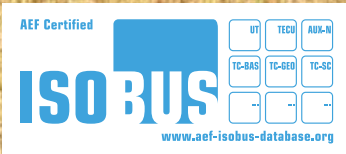
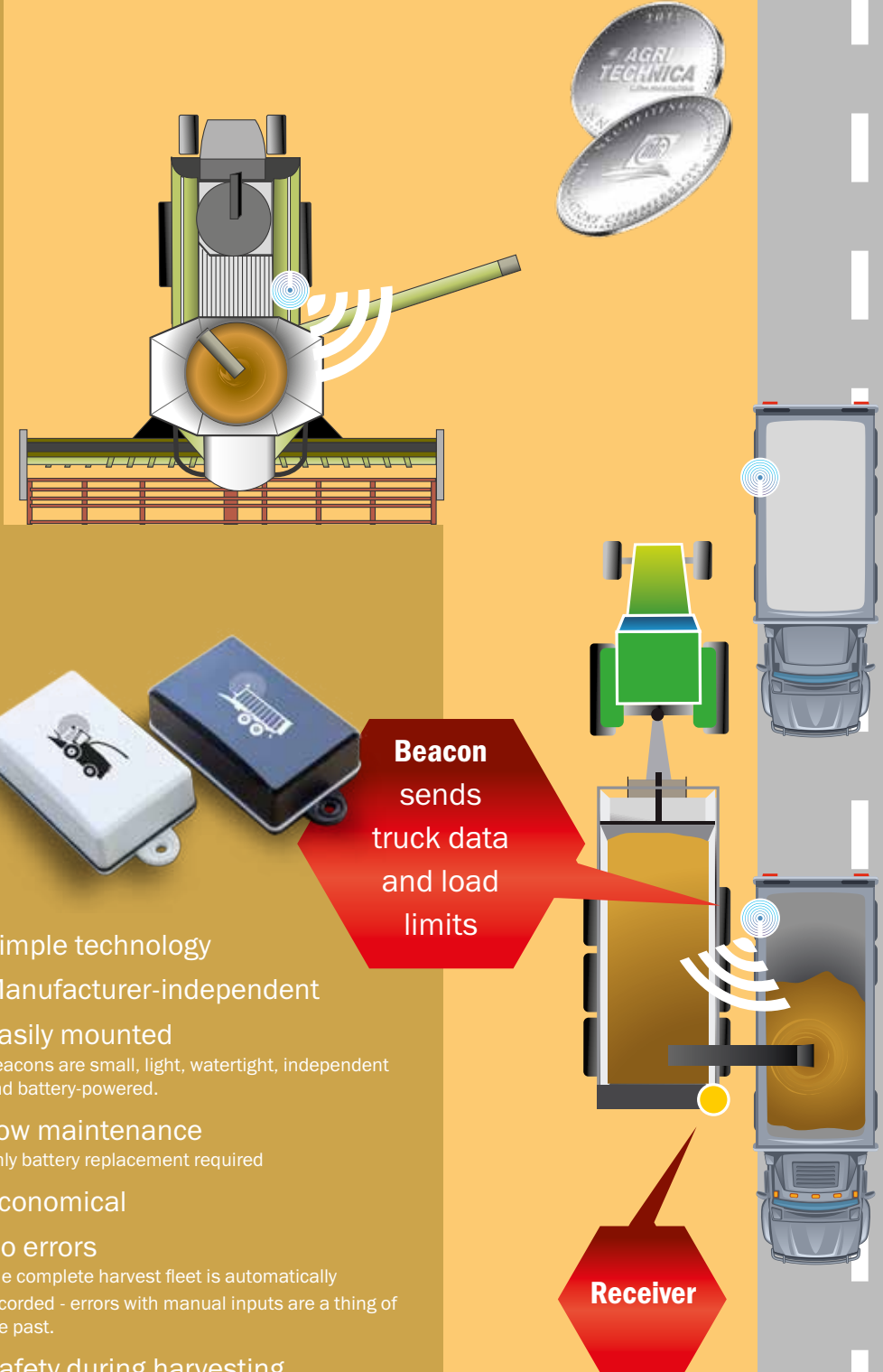




# FLIEGL TRACKER – MANAGING THE TRANSPORT CHAIN



Vehicles fitted with »Beacons« enable complete automatic recording and tracking of the transport chain, making life easier for the driver.



- High accuracy +/- 0.1% of payload or +/- 10 kg
- Hydraulic suspension not required – saves weight and money
- Immediate weighing of harvest in the field – even on slopes
- No need to leave work for the nearest scale

**Simple technology**

**Manufacturer-independent**

**Easily mounted**

Beacons are small, light, watertight, independent and battery-powered.

**Low maintenance**

Only battery replacement required

**Economical**

**No errors**

The complete harvest fleet is automatically recorded - errors with manual inputs are a thing of the past.

**Safety during harvesting**

A data set that allocates the payload can be created in the job computer for every truck fitted with a beacon. The loading process from the FWS overloading trailer is then automatic: The exact tonnage is loaded. Trucks are no longer overloaded. This improves traffic safety and prevents damage to vehicles and roads. The precise truck load increases the efficiency of transport and saves fuel.



iBeacon is a registered trademark of Apple Inc., USA



# PUSH-OFF MANURE SPREADER ADS

Solid manure spreading with patented push-off technology

Ideal: adjustable spread pattern by using the hydraulic tow bar tipping cylinder



Hydraulic tow bar suspension



Minimal wear and tear due to hydraulic push system - no scraper floor



Robust spreader mechanism with a maximum working width starting at about 12 m



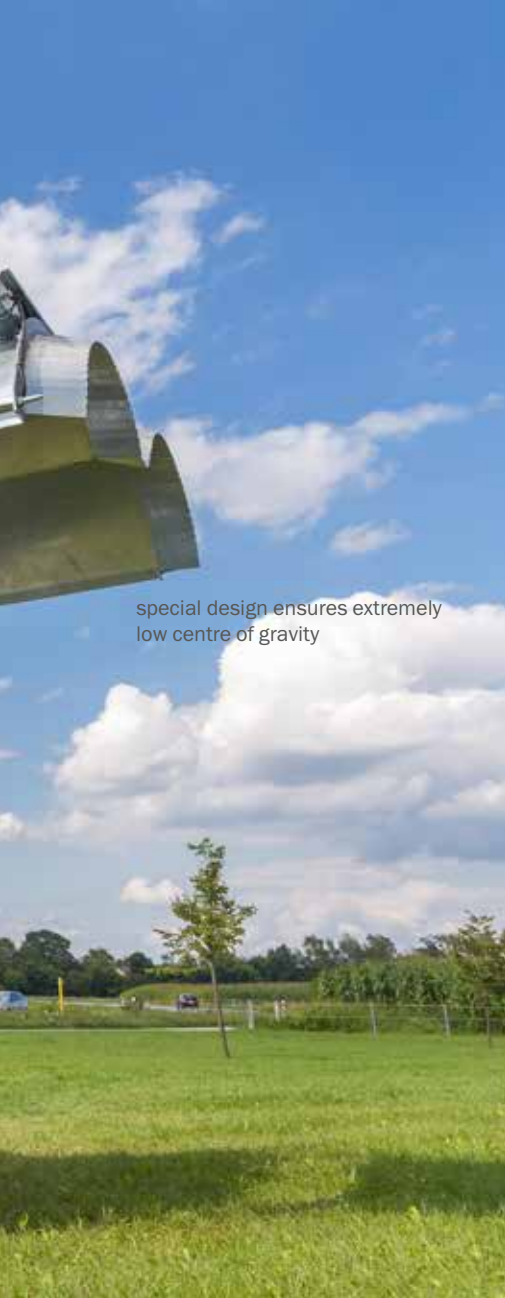
Hydraulic support foot



ADS 60

Model	
Permissible total weight	kg
Draw gear	
Braking system	
Unladen weight	kg
Trough L x B x H	approx. mm
Volume	approx. m <sup>3</sup>
Tyres	





special design ensures extremely low centre of gravity

**High stability – low centre of gravity**

**Equipped with proven push-off technology**

**Due to the moving floor – no delicate parts subject to wear**



Optional: 40 km/h version with mudguards



The ADS can also be fitted with a 800 mm large rear panel as an option and used as a transport trailer



Feed rate regulation selectable from mechanical or electronic potentiometer



Hydraulic congestion slider



Protective grille series



Throwing pendulum

ADS 60	ADS 80	ADS 100	ADS 120	ADS 200 Tandem
6,000	8,000	10,000	12,000	20,000
Raised hitch	Raised hitch	Lowered hitch	Lowered hitch	Lowered hitch
Overrun brakes / hydraulic brakes	Overrun brakes / hydraulic brakes	Pneumatic with hand regulator / hydraulic brakes	Pneumatic with hand regulator / hydraulic brakes	Pneumatic with hand regulator / hydraulic brakes
3,900	3,900	4,200	5,300	6,300
3.500 x 1.300 / 2.100 x 900	4.000 x 1.300 / 2.100 x 1.350	4.500 x 1.300 / 2.100 x 1.300	5.000 x 1.300 / 2.100 x 1.600	5.500 x 1.300 / 2.100 x 1.600
6	9	9	14	19
15/70-18 16 PR	385/65/22.5 RE	23.1/26	23.1/26	550/60-22.5



# ADS 120 WITH SPREADER »PROFI V2«



The fully galvanised spreader is in-built as standard. The spreader bearings can be accessed via a central lubrication strip for ease of maintenance.



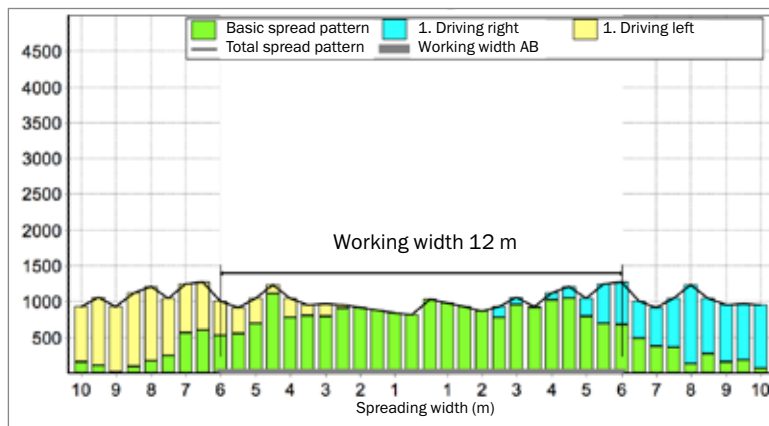




Thanks to the proven Fliegl push-off technology, the material will be fed evenly to the spreader. After spreading, the storage space is almost clean. Contrary to the traditional moving floor, the subfloor remains clean.

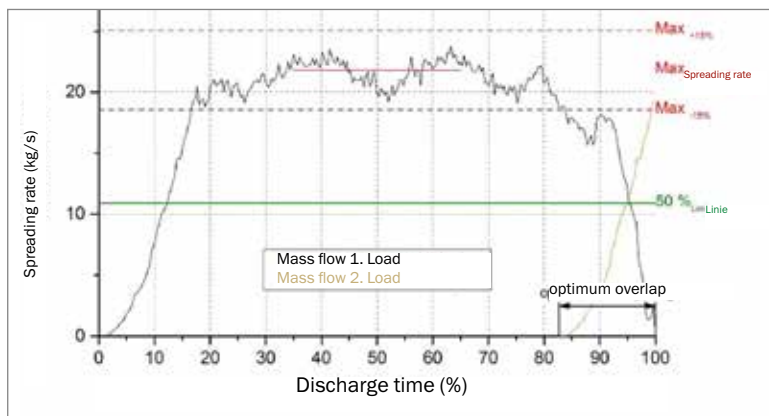
## ADS 120 WITH PROFI V2 MANURE SPREADER 10 T/HA (DUNG) WITH OPEN REAR FLAP

Transverse distribution



Speed: 7,5 km/h | Variation coefficient (VC): 12,7% | ++

Linear distribution



Variation coefficient (VC): 8,03% | ++



### Profi V2 spreader with discharge rotors:

- easy start
- not affected by foreign material
- reduced gearbox wear and low maintenance

DLG rating scale	VC% > 20 to 25	=	0
	VC% > 15 to ≤ 20	=	+
	VC% ≤ 15	=	++





# TECHNICAL CHARACTERISTICS



Models	
Permitted total weight	kg
Number of axles	
Drawbar load	kg
Net weight	approx. kg
Monocoque length incl, rear gate	mm
Monocoque width	mm
Monocoque height (sides)	mm
Platform height with standard equipment	approx. mm
Track*	mm
Cargo volume without compression	approx. m <sup>3</sup>
Cargo volume with compression (with grass silage)	approx. m <sup>3</sup>
Required oil charge	liter

Models	
Permitted total weight	kg
Number of axles	
Drawbar load	kg
Net weight	approx. kg
Monocoque length incl, rear gate	mm
Monocoque width	mm
Monocoque height (sides)	mm
Platform height with standard equipment	approx. mm
Track*	mm
Cargo volume without compression	approx. m <sup>3</sup>
Cargo volume with compression (with grass silage)	approx. m <sup>3</sup>
Required oil charge	liter

Models		ASS 278	ASS 288 Steel/Alu	ASS 298 Steel/Alu
Permitted total weight	kg			
Number of axles		2	2	2
Drawbar load	kg	11.000	11.000	11.000
Net weight	approx. kg	7.500	7.700/ 6.700	7.900/ 6.900
Monocoque length incl, rear gate	mm	8.100	8.800	9.800
Monocoque width	mm	2.380	2.380	2.380
Monocoque height (sides)	mm	2.000	2.000	2.000
Platform height with standard equipment	approx. mm	1.400	1.400	1.400
Track*	mm	2.050	2.050	2.050
Cargo volume without compression	approx. m <sup>3</sup>	38	43	48
Required oil charge	liter	28	30	32





ASW-Tandem

ASW-Tridem

A N-Quattro

ASW 110	ASW 140	ASW 160	ASW 256	ASW 261	ASW 271	ASW 281 FOX Steel/Alu
11.000	14.000	16.000	20.000	20.000	20.000	23.000
2	2	2	2	2	2	2
2.000	2.000	2.000	2.000	2.000	2.000	3.000
4.200	4.700	4.900	5.500	6.200	6.800	8.950/7.480
5.100	5.600	5.600	5.600	6.100	7.100	8.100
2.380	2.380	2.380	2.380	2.380	2.380	2.380
1.500	1.500	1.500	1.500	2.000	2.000	2.000
1.100	1.250	1.250	1.350	1.350	1.350	1.550
1.850 - 2.000	2.000	2.000	2.050 - 2.150	2.050 - 2.150	2.050 - 2.150	2.050 - 2.150
20	22	22	22	30	35	40
30	33	33	33	48	56	64
12	13	13	16	17	21	28

ASW 373 TIGER	ASW 381 Steel/Alu	ASW 391 Steel/Alu	ASW 3101	ASW 491	ASW 4101	ASW D 4101
29.000	29.000	29.000	29.000	40.000	40.000	40.000
3	3	3	3	4	4	4
2.000	2.000	2.000	2.000	2.000	2.000	-
13.200	7.780/6.300	8.720/7.170	9.450	9.910	10.200	10.500
7.300	8.100	9.100	10.100	9.100	10.100	10.100
2.380	2.380	2.380	2.380	2.380	2.380	2.380
1.500	2.000	2.000	2.000	2.000	2.000	2.000
1.550	1.350	1.350	1.350	1.350	1.350	1.450
2.050 - 2.150	2.050 - 2.150	2.050 - 2.150	2.050 - 2.150	2.050 - 2.150	2.050 - 2.150	2.050 - 2.150
27	40	45	50	45	50	50
-	64	72	80	72	80	80
30	28	30	32	30	32	32

ASS 2108 ALU	ASS 388 Steel/Alu	ASS 398 Steel/Alu	ASS 3108 ALU	ASS 3125	ASW D 378 Steel/Alu	ASW D 388 Steel/Alu
2	3	3	3	3	3	3
11.000	11.000	11.000	11.000	11.000		
7.300	7.800/6.800	8.400/7.400	7.900	11.000	7.800/6.800	8100/7.100
10.800	8.800	9.800	10.800	12.500	7.800	8.800
2.380	2.380	2.380	2.380	2.380	2.380	2.380
2.000	2.000	2.000	2.000	2.000	2.000	2.000
1.400	1.400	1.400	1.400	1.400	1.400	1.400
2.050	2.050	2.050	2.050	2.050	2.050	2.050
51	43	48	51	60	38	43
35	30	32	35	50	28	30

\*depends on tyres  
\*\*Volumes of bulk cargo with discharge cone







## Three-side tipper and Monocoque Tipper



We are Fliegl

# SINGLE AXLE THREE-SIDE TIPPER FROM 2.6 UP TO 8 T TOTAL WEIGHT

The versatile all-rounder for rapid operations...



## Advantages

- Strong hollow section frame
- Low centre of gravity
- Low net weight
- Also extremely robust and warp resistant
- Galvanised frames
- High stability
- Compact construction
- High mobility
- Wide tipping angle
- Panel extensions are available



EDK 25 with leaf attachment





Extremely low platform height (from 700 mm).



**All tippers HOT-DIP GALVANISED as standard**



An agile all-rounder – resilient and fast



EDK with extension sides (also upgradeable).



One-axle three-side tipper



# TANDEM THREE-SIDE TIPPER FROM 8 UP TO 20 T TOTAL WEIGHT

the robust tipper for safer transport ...



Silage tipper with hydraulic tail gate.



Hydraulic tail gate with integrated panel extensions



40 km/h version with underrun protection and mudguards



## HYDRAULIC REAR GATE WITH AUTOMATIC LOCKING

- With the new developed lock system from Fliegl the rear gate is first vertically opened upwards and then swivelled outwards.
- Hydraulic rear gate opens approx. 90° and enables rear loading.



**Conical platform ensures complete unloading!**



TDK with hydr. gravel hatch

- Tandem tipper with strong hollow section frame
- Conical platform from 4.500 mm length
- Tipping angle (up to 55° is possible) ensures best slide of any type of bulk cargo
- Robust panel extensions - integrated in both the automatic and the hydraulic rear gate and makes grain transport even with a silage body possible
- Grain slider is standard
- See-through wire mesh by silage body is standard
- Extra wide-track chassis width guarantees excellent stability in all terrains.
- Special low platform height
- The side panel extensions can be opened for loading.



# TWO-AXLE THREE-SIDE TIPPER FROM 6 UP TO 18 T TOTAL WEIGHT

...the transport giant



## DK 180-88 XL

- With centre stakes
- parabolic suspension, nut bearing
- Platform dimension:  
5,050 x 2,420 x 800 mm
- Panel extension  
600 mm and 800 mm

## Top chassis!

- The platform is made of high quality steel – sand blasted, dip-primed and coated with two-component lacquer coat.
- Galvanised and integral formed frame, made of high-quality fine grained steel (welded construction)
- Strong suspension
- Strong turntable (truck type)
- Optional galvanised frame

**Fliegl Dumper: Weight optimized for bigger loads!**





Optional rollable tarpaulin  
wit Platform

**DK 180-88 Maxum:**

- parabolic suspension, nut bearing
- Platform: 5,050 x 2,420 x 800 mm
- Panel extension  
600 mm and 800 mm



# THREE-AXLE THREE-SIDE TIPPER WITH 24 T TOTAL WEIGHT

...the transport giant



## Three times better in three different ways ...

- 3-axle three-side tipper, 24 t total weight with centre stakes
- The platform is made of high quality steel – sand blasted, dip-primed and coated with two-component lacquer coat.
- Galvanised and integral formed frame, made of high-quality fine grained steel (welded construction)
- Strong suspension, parabolic spring (requires no lubrication)
- Strong turntable (truck type)
- ALB



Optional: Heavy duty drop panel tension springs





DDK 240



**Body length: 6.20 m / 7.20 m or 7.80 m**

**Additional equipment: Front pedestal**

**Additional equipment: Cover device with sliding tarpaulin**



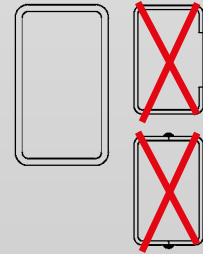


# FRAME AND BODY

Fliegl dumpers are, from the TDK 130 series, equipped with the x thousand fold proven Titan tandem assembly - for the best terrain compensation up to 30 cm.

## Advantages:

- + Low maintenance
- + Long service life



**Unique: the Fliegl wide-track chassis**  
For more stability!

- 1 Extra dimensioned tip ball-bearing mounted outward on the chassis. This enables a better unloading even with oversized tyres. This is also due to the low construction height.
- 2 Integral and robust pivoting cross bar extra wide to the rear.
- 3 Extra dimensioned tipping cylinder.
- 4 Extra robust hollow section frame (no U-profiles welded together) ensures stability because shape distortion is impossible.
- 5 Extra dimensioned axles.
- 6 Extra large track width ensures unique stability in all terrains.
- 7 Swivel drawbar for high and low hitch.

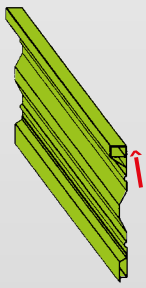


Tandem assembly Gigant with parabolic springs



Titan tandem assembly for the best ride, lubrication and maintenance-free.





## Perfection even in production!

- Steel side panels - sandblasted, primed and powder-coated
- Starting with 4.5 m basic side panel, extra reinforcement using inserted tubes



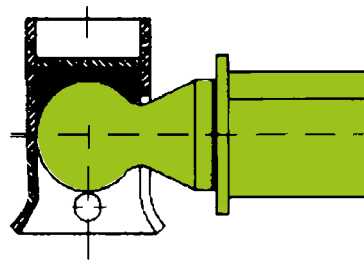
## Very robust body ...

- 1 Robust corner stakes.
- 2 Adjustable panel stabilizer (optional).
- 3 Strong platform-cross ensures optimal weight interaction.
- 4 Additional support made of hard rubber.
- 5 Strong platform-frame cross ensures extreme torsion stiffness.



## Absolutely secure!

- Rear mounted ball-bearing.
- Two ball pins with polyamide insertion on strong ball heads, quiet, maintenance-free, wearresistant and exactly centred.
- Special constructed tipping bearings to exclude "overcross" operation.



# ACCESSORIES

A well thought-out and versatile accessories program secures you a wide spectrum of possible uses.



Transfer auger diameter 150 mm, length 3.000 mm and 4000 mm, galvanised or of high-grade steel, easy to assemble, with adjustable cable winches and rotors for transport.



Pipe outlet with outlet support – available from EDK 40.



Adjustable side panel stabiliser.



Panel chains.



Steel panel support - extendable.



Body tension springs.



Mechanical trailer hitch



Ladder with pedestal



Transfer auger 4000 mm



Automatic trailer hitch with hydraulic- and brake connection for a second trailer.



Central side locking - standard equipment available from EDK 60, from 4.500 mm platform length the tippers are locked six times, integral platform profile.



Central rear locking – standard equipment available from EDK 40.



# TECHNICAL DETAILS

## THREE-SIDE TIPPER



### One-axle three-side tipper

Type	
Permitted total weight	kg
Permitted load on drawbar	approx. kg
Net weight	approx. kg
Platform length (inside)	approx. mm
Platform width (inside)	approx. mm
Side panel height	approx. mm
Conical platform	
Platform height approx. 1)	mm
Track width	mm
Tyre equipment 2)	
Tipping cylinder, stroke	mm
Required oil capacity	approx. ltr.
Central rear locking	
Central side locking	

### Tandem three-side tipper

Type	
Permitted total weight	kg
Permitted load on drawbar	approx. kg
Net weight	approx. kg
Platform length (inside)	approx. mm
Platform width (inside)	approx. mm
Side panel height	approx. mm
Conical platform	
Platform height approx. 1)	mm
Track width	mm
Tyre equipment 2)	
Tipping cylinder, stroke	mm
Required oil capacity	approx. ltr.
Central rear locking	
Central side locking	

### Two-axle three-side tipper

Type		DK 60	DK 80
Permitted total weight	kg	6,000	8,000
Net weight	kg	1,600	1,850
Platform length (inside)	mm	4,000	4,500
Platform width (inside)	mm	2,000	2,220
Side panel height	mm	500	500
Conical platform			Serie
Platform height approx. 1)	mm	1,050	1,200
Track width	mm	1,650	1,850
Tyre equipment 2)		10/75/15	11.5/15
Tipping cylinder, stroke	mm	1,500	1,850
Required oil capacity	approx. ltr.,	12	14
Central rear locking		Serie	Serie
Central side locking		Serie	Serie
Centre stakes			

1) depending on equipment and loading condition  
 2) different tire equipment on request  
 Other special equipment available on request.





EDK 20	EDK 25	EDK 40	EDK 50	EDK 60	EDK 65	EDK 80 -4000	EDK 80 -4500
2.670	3.500	4.000	5.500	6.000	6.000	8.000	8.000
670	700	1.000	1.000	1.000	1.000	1.000	1.000
500	600	950	1.000	1.200	1.400	1.600	1.700
2.000	2.500	3.000	3.500	4.000	4.000	4.000	4.500
1.200	1.500	1.600	1.800	2.000	2.200	2.200	2.200
400	400	400	400	500	500	500	500
							standard
720	800	850	880	980	1.050	1.180	1.180
1.000	1.250	1.350	1.450	1.650	1.850	1.850	1.850
205 R 14	10/75/15	10/75/15	11,5/15	11,5/15	13/75/16	385-22,5 RE	385-22,5 RE
900	900	900	1.050	1500	1.500	1.500	1.850
4	4	7	7	12	12	12	14
option	option	standard option	standard option	standard standard	standard standard	standard standard	standard standard

TDK 80-88	TDK 88 VR	TDK 110-88	TDK 130	TDK 140-88	TDK 160	TDK 200	TDK 255
8.000	8.000	11.000	13.000	14.000	16.000	20.000	20.000
1.000	1.000	2.000	2.000	2.000	2.000	2.000	2.000
1.800	1.950	2.250	3190	3.300	3.500	4.400	4.600
4.000	4.500	4.500	4.500	4.500	5.000	5.000	5.500
2.200	2.220	2.220	2.220	2.220	2.320	2.320	2.320
500	500	500	600	500	600	600	800
	standard	standard	standard	standard	standard	standard	standard
1.150	1.150	1.180	1.180	1.300	1.300	1.350	1.350
1.850	1.850	1.850	1.850	1.850	1.850	2.050	2.050
11,5/15	11,5/15	13/75/16	15/70-18 12PR	385-22,5 RE	385/65/22,5 RE	385-22,5 RE	385-22,5 RE
1500	1.850	1.850	1.850	1.850	2.150	2.150	2.150
12	14	14	14	16,5	20	28	28
standard	standard	standard	standard	standard	standard	standard	standard
standard	standard	standard	standard	standard	standard	standard	standard

### Three-axle three-side tipper

DK 110-88	DK 130-88	DK 140-88	DK 140-88-5	DK 180-88	DK Max, 180-88	DDK 240-6,20	DDK 240-7,20	DDK 240-7,80
11,000	13,000	14,000	14,000	18,000	18,000	24,000	24,000	24,000
2,000	3,400	2,720	3,700	4,200	3,850	5,800	6,200	7,100
4,500	4,500	4,500	5,000	5,250	5,050	6,200	7,200	7,800
2,220	2,220	2,220	2,320	2,320	2,420	2,320	2,320	2,320
500	600	500	600	800	800	800	800	800
standard	standard	standard	standard					
1,250	1,300	1,300	1,300	1,350	1,350	1,400	1,400	1,400
1,850	1,850	1,850	1,850	1,950	1,950	1,950	1,950	1,950
12,5/80/18	385-22,5 RE	385-22,5 RE	385/65/22 RE	385-22,5 RE	385/65/22,5 RE	358-22,5 RE	358-22,5 RE	358-22,5 RE
1,850	1,850	1,850	2,150	2,000	2,000	2,250	2,250	2,500
14	14	16,5	20	28	28	35	35	40
standard	standard	standard	standard	standard	standard	standard	standard	standard
standard	standard	standard	standard	standard	standard	standard	standard	standard
				standard		standard	standard	standard

# DUMP TRAILER

More varieties, innovative details with the know-how from the manufacturing of Fliegl commercial vehicles as well as customised designs for individual requirements make the monocoque tippers from Fliegl stand out.



Mechanically folding protective grille



Standard from TMK 256: hydraulic drawbar suspension and mech. support foot



Galvanized extension, tilted



- extendable ladder
- see-through wire mesh in top of the monocoque (1,5 m high), standard equipment
- fastener for hydraulic- and compressed-air hoses and light wires
- adjustable towing ring





### More advantages:

- The low net weight results in more cargo load.
- The wide-track undercarriage is unique and results in the best stand.
- Approved "Titan" tandem aggregate ensures best stability (up to 30 cm)
- Different assemblies can be supplied
- Heavy and strong underrun protection with protected lightning



Optional filling chute for potato harvest



# TMK PROFI

The TMK Profi range with rounded front panel and large rear hatch.  
More volume due to compact design.



Maximum stability with high tipping angle



TMK 371 Profi, length 7,15 m



## TANDEM THREE WAY DUMP TRAILER

More variety and innovative details, more load capacity and low unladen weight, combined with the full flexibility of unloading to the left, to the right and to the rear.



With sliding tarpaulin



Reinforced side panels make the tipper extremely robust.



ZDMK 200 Profi

### Advantages

- High standing stability due to standard original Fliegl wide-track chassis
- Professional frame with revolving tow bar for upper and lower hitching
- Total weight 14 to 33 tonnes  
4.65 to 7.15 meters
- Titan tandem assembly with parabolic springs from 4.65 to 5,30 meters
- Extra large corner stanchions



## DUMP TRAILER »BULL«

Best standing stability, high stability during dumping process.

The large hydraulic rear wall and screwed side board elements are the strengths of the »BULL« vehicle concept.

40 m<sup>3</sup>



For extra stability during dumping because of the comparatively small rear protrusion of the trough to the axle group center, as well as the hydraulically activated large tailgate, that during opening swings towards the axle group center.



Stable side panels of galvanized high grade steel, made of individual screwed together click-on parts. Straightforward and inexpensive to replace if damaged.



Perfect handling characteristics on any terrain





TMK BULL 276  
with front wall slope trimming



Hydraulic drawbar suspension

### Advantages

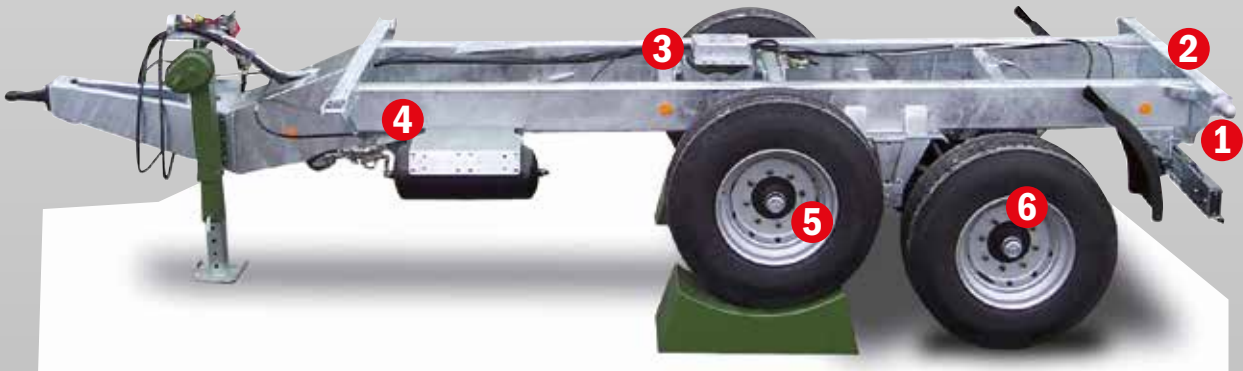
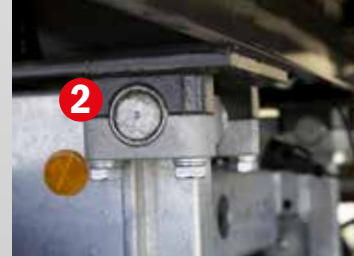
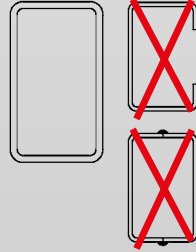
- The large hydraulic rear panel swivels in the direction of the axle group centre when opening
- Stable due to lowered centre of gravity
- Low frame protrusion ensures stability of the tractor while tipping
- Stable side panels made of galvanised high grade steel, manufactured from individual screwed together click-on parts
- Loading volumes up to 40 m<sup>3</sup> possible
- Shock-absorbing tow bar
- Swivel tow bar for high or low hitch
- Axles - square 120 mm as standard

# FRAME AND SUPERSTRUCTURE

Unique chassis – exceptionally robust and stable ...

Stable construction for the hardest of uses ...

Unique: the Fliegl wide-track chassis for extra stability



- 1 Extra dimensioned tip ball-bearing mounted outward on the chassis. Enable a better unloading even with oversized tyres.
- 2 Integral and robust pivoting cross bar extra wide to the rear
- 3 Extra dimensioned tipping cylinder
- 4 Extra robust hollow section frame (no U-profiles welded together) ensures stability - shape distortion impossible
- 5 Extra dimensioned axles
- 6 Extra large track width ensures a unique stability in all terrains.



## Always variable – the Fliegl Profi-chassis!

- Standard equipment from TMK 140
- Swivel drawbar for high and low hitch
- Shock-absorbing drawbar (TMK200 standard, Monocoque length 5650 mm)



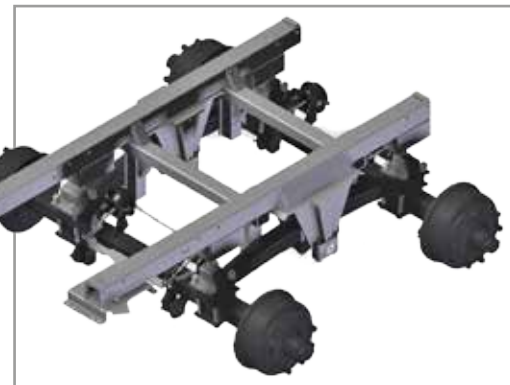
- 1 Strong platform-cross ensures optimal weight interaction
- 2 Strong platform-frame cross ensures extreme torsion stiffness.
- 3 Unitary construction of support profiles
- 4 Unitary steel-side construction - round-shaped.
- 5 Wide tipping angle



Tandem assembly Gigant with parabolic springs (TMK 200/5.65 m Monocoque length)



Tandem assembly «Gigant Plus»



Titan tandem assembly for the best ride

# TECHNICAL DETAILS FOR MONOCOQUE TIPPER AND »BULL« MONOCOQUE TIPPER



## Monocoque tipper

Model		EMK 80 1-axle	EMK 110 1-axle	TMK 80 tandem	TMK 110 tandem	TMK 140 tandem	TMK 160 tandem
Permitted total weight	kg	8,000	11,000	8,000	11,000	14,000	16,000
Permitted load on drawbar	kg	1,000	1,500	1,000	2,000	2,000	2,000
Net weight	ca, kg	2,600	2,690	2,910	2,990	3,300	3,850
Monocoque length (inside)	ca, mm	4,650	4,650	4,650	4,650	4,650	5,150
Monocoque width (inside)	ca, mm	2,320	2,320	2,320	2,320	2,320	2,320
Monocoque height (inside)	ca, mm	1,300	1,300	1,300	1,300	1,300	1,500
Conical platform		ja	ja	ja	ja	ja	ja
Platform height	mm	1,300	1,300	1,100	1,100	1,250	1,250
Track width	mm	1,850	2,050	1,850	1,850	2,000	2,000
Tyre equipment		385/65-22.5RE	385/65-22.5 R	12.5/80 -18	12.5/80 -18	385/65-22.5 R	385/65-22.5 R
Tipping cylinder stroke	mm	1,850	1,850	1,850	1,850	1,850	2,150
Required oil amount approx.	l	15	15	15	15	16,5	20
Hydraulic tail gate		yes	yes	yes	yes	yes	yes

## Tandem Monocoque tipper

Model		TMK 200-5,15	TMK 256	TMK 261	TMK 264	TMK 269
Permitted total weight	kg	20,000	20,000	20,000	21,000 – 24,000	21,000 – 24,000
Permitted load on drawbar	kg	2,000	2,000	2,000	2,000	2,000
Net weight	ca. kg	4,100	4,550	5,100	5,200	5,600
Monocoque length (inside)	mm	5,150	5,560	6,150	6,400	6,900
Monocoque width (inside)	mm	2,320	2,320	2,320	2,320	2,320
Monocoque height (inside)	mm	1,500	1,500	1,500	1,500	1,500
Conical platform		ja	ja	ja	ja	ja
Platform height	mm	1,300	1,400	1,400	1,400	1,400
Track width	mm	2,050	2,050	2,050	2,050	2,050
Tyre equipment		385/65-22.5 R	385/65-22.5 RE	385/65-22.5 RE	385/65-22.5 RE	385/65-22.5 RE
Tipping cylinder stroke	mm	2,150	2,150	2,150	2,500	2,500
Required oil amount approx.	l	28	28	28	28	37
Hydraulic tail gate		yes	yes	yes	yes	yes



## Tandem Dump trailer

## Tridem mono-coque tipper

Model		TMK 273 tandem	TMK 373 tridem	TMK 378 tridem
Permitted total weight	kg	21,000 – 24,000	29,000 – 33,000	29,000 – 33,000
Permitted load on drawbar	kg	2,000	2,000	2,000
Net weight	ca, kg	5,800	6,200	6350
Monocoque length (inside)	mm	7,300	7,300	7,300
Monocoque width (inside)	mm	2,320	2,320	2,320
Monocoque height (inside)	mm	1,500	1,500	1,500
Conical platform		yes	yes	yes
Platform height	mm	1,400	1,400	1,400
Track width	mm	2,050	2,050	2,050
Tyre equipment		385/65-22.5 RE	385/65-22.5 RE	385/65-22.5 RE
Tipping cylinder stroke	mm	2,500	2,500	2,500
Required oil amount approx.	l	37	37	37
Hydraulic tail gate		yes	yes	yes

## Three-side Mono-coque tipper

Model		TDMK 160 tandem	TDMK 253 tandem	TDMK 256 tandem	TDMK 261 tandem	TDMK 371 tridem	ZDMK 200 2-axle
Permitted total weight	kg	16,000	20,000	20,000	20,000	29,000	18,000
Permitted load on drawbar	kg	2,000	2,000	2,000	2,000	2,000	–
Net weight	ca. kg	3,950	5,300	6,200	6,300	6,900	4,300
Monocoque length (inside)	mm	4,550	5,300	5,600	6,150	7,150	5,250
Monocoque width (inside)	mm	2,300	2,300	2,300	2,400	2,000	2,400
Monocoque height (inside)	mm	1,500	1,500	1,500	1,500	1,500	1,500
Conical platform		yes	yes	yes	yes	yes	yes
Platform height	mm	1,350	1,400	1,400	1,450	1,450	1,350
Track width	mm	2,050	2,050	2,050	2,050	2,050	1,950
Tyre equipment		385/65-22.5RE	385/65-22.5RE	385/65-22.5RE	385/65-22.5RE	385/65-22.5RE	385/65-22.5 RE
Tipping cylinder stroke	mm	1,850	2,150	2,250	2,500	2,500	2,150
Required oil amount approx.	l	16,5	28	28	37	37	28
Hydraulic tail gate		yes	yes	yes	yes	yes	option

## Dump Trailer series »BULL«

Model		BULL 271 tandem	BULL 276 tandem	BULL 376 tridem
Permitted total weight	kg	20,000 – 21,000	20,000 – 24,000	29,000 – 31,000
Unladen weight	kg	6,200	6,900	7,400
Trough length inside incl. Tailgate	mm	7,100	7,600	7,600
Trough width inside (conical)	mm	2,270 x 2,320	2,270 x 2,320	2,270 x 2,320
Trough height inside	mm	1,500 – 2,300	1,500 – 2,300	1,500 – 2,300
Loading volume approx,	ca, m3	34	34	34
Platform height approx,	mm	1,450	1,450	1,450
Track width	mm	2,050	2,050	2,050
Tyres		385/65-22.5	385/65-22.5	385/65-22.5
Tipping cylinder lift	mm	2150	2500	2500

\*Total length in l. front wall slope trimm ing and 800 mm tailgate





## Transport technology



We are Fliegl

# HOOKLIFT TIPPER FOR TANDEM AND TRIDEM ROLL-OFF TIPPERS



**Extremely robust, universal and flexible in application**

**Roll-off monocoque with hydraulic tailgate**

**Extreme high tipping angle – up to 50°**



HKL22 with ASW container



HKL22 with platform



Tridem HKL29

## **The advantage:**

The new hooklift chassis can handle a great number of containers, e.g., the original Push-Off containers from Fliegl, large slurry vessels – this saves time and money. The hooklift is first and foremost qualified for work where a stationary container has to be loaded.





Optional: Adjustable hook

Swivel drawbar for high or low hitch



Control unit with radio remote control (optional)



Hydraulic tow bar suspension



60 l board hydraulic (optional 90 l) driven by PTO driveline with hydraulic pump and oil tank  
60-litre hydraulic tank (optional: 90 litres) powered via PTO



**The favourable construction of the hooklift arm and hook enables the uptake of containers in low height while using minimum force.**



Exchangeable forged hooklift arm



Pluggable locking system for both inside and outside locking



Large steel casting rolls (Diameter: 310 mm) with a large centring slant enable trouble-free container handling



Optional: Hydraulic axle support



Optional: Pneumatic suspension



Optional: Extractable underride protection for various container lengths

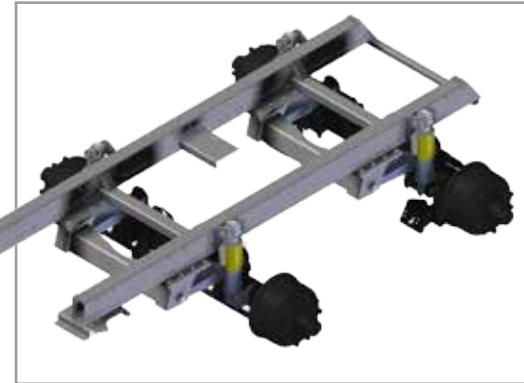




Tandem assembly »Gigant Plus«



Hydraulic axle springs



Gigant tandem assembly

## Specifications

Models		HKL 22	HKL29
Max. total weight	kg	20,000	29,000
Max. tongue load	kg	2,000	2,000
Net weight depending on equipment	ca. kg	5,840	6,900
Lifting power	kg	21,000	27,000
Container length	ca. mm	5,000 – 7,000	5,600 – 7,500
Height of rollers 385/65-22,5 RE	mm	1,160	1,260
Tipping angle	Grad	52	46
Track width depending on tyres	mm	2050/2150	2050/2150
Tyres		385/65-22,5 RE	385/65-22,5 RE
Required oil charge	l	28	own board hydraulic
Hydr. dumper locking system	inside + outside	standard	standard

# PLATFORM TRAILER

Available as tandem, two-axle and tri-axle trailer  
from 8 to 24 tonnes total weight

DPW 210 BL Profi bale transportation trailer  
with hydr. load securing (patented)



Switching the loading side by simply releasing and attaching the fastening bolts

Non-slip loading surface



Bale grille standard with DPW 180 B



Optional: practical rear extension (1,200 mm)

Types		ZPW 80	ZPW 100	ZPW 120 B	ZPW 140	ZPW 160 BL	ZPW 180
Total allowable weight	kg	8.000	10.000	12.000	14.000	16.000	18.000
Length	mm	5.400 – 8.200	5.400 – 8.200	6.900	5.400 – 8.200	6.900	5.400 – 8.200
Width	mm	2.480	2.480	2.480	2.480	2.480	2.480
Platform height	mm	ca. 1170	ca. 1170	ca. 1170	ca. 1170	ca. 1190	ca. 1190
Bereifung		12,5/80-18	12,5/80-18	15/55-17	355/60-18	385/65-22,5 RE	385/65-22,5 RE





Tandem platform trailer with bale grid and special painting (optional)

ZPW 140 with aluminium panel extensions

DPW 180B	DPW 210 BL Profi	DPW 240	TPW 100	TPW 140	TPW 180
18.000	21.000	24.000	10.000	14.000	18.000
9.900	9.900	6.900 – 9.900	5.400 – 8.200	5.400 – 8.200	6.900 – 8.200
2.480	2.480	2.480	2.480	2.480	2.480
ca. 1.100	ca. 1.100	ca. 1.190			
15/55-17 14 PR	385/55-22,5 RE	385/65-22,5 RE	235/75 R 17,5	385/65-22,5 RE	385/65-22,5 RE

# »VARIO« TRANSFER TRAILER

Well-equipped, powerful performance



ULW 30



ULW 25 single axle



ULW 35

Types	
Volume	approx. m <sup>3</sup>
Allowable total weight (On open roads at 25 kph)	app. kg
Container dimensions	approx. mm
Transfer height	approx. mm
Power	PS
Tyres	
Ø Auger	mm
Transfer Power	t/Min.





**Custom made additional equipment:**

- Tarpaulin operable from the ground
- Single-sided universal joint shaft, wide angle with friction clutch / tow side
- Weighing electronics with six load cells
- Dosing hose – add on hose ø 150 mm
- 40 km/h performance with vehicle registration
- Steerable rear axle (ULW 20 Tandem)



ULW 40 Tridem

**Your economic advantage:**

- Available with a capacity of 20 m<sup>3</sup> or 40 m<sup>3</sup>
- with hydraulic shut-off device.
- Viewing window and ladder on the front plate.
- Up to a 30 % increase of the threshing efficiency
- ISOBUS weighing device (optional)
- Telescopic to protect the soil (optional)

ULW 20 single-axle/Fox	ULW 25 single-axle	ULW 25 Tandem	ULW 30 Tandem	ULW 35 Mega	ULW 40 Tridem
20	25	25	30	35	40
12.500	12.500	21.000	work machine	work machine	work machine
4.650 x 2.500	6.000 x 2.500	6.000 x 2.500	6.000 x 3.000	6.400 x 3.000	6.900 x 3.500
4.400	4.300	4.300	4.300	4.100	4.300
from 120	from 120	from 160	from 160	from 180	from 250
28.1R26	28.1R26	550/60/22,5	600/50/22,5	900/60R32	600/55-26,5
320	420	420	420	570	420
5,5	7,5	7,5	7,5	16	7,5

# THE FLIEGL GROUP – STRONG CONNECTION

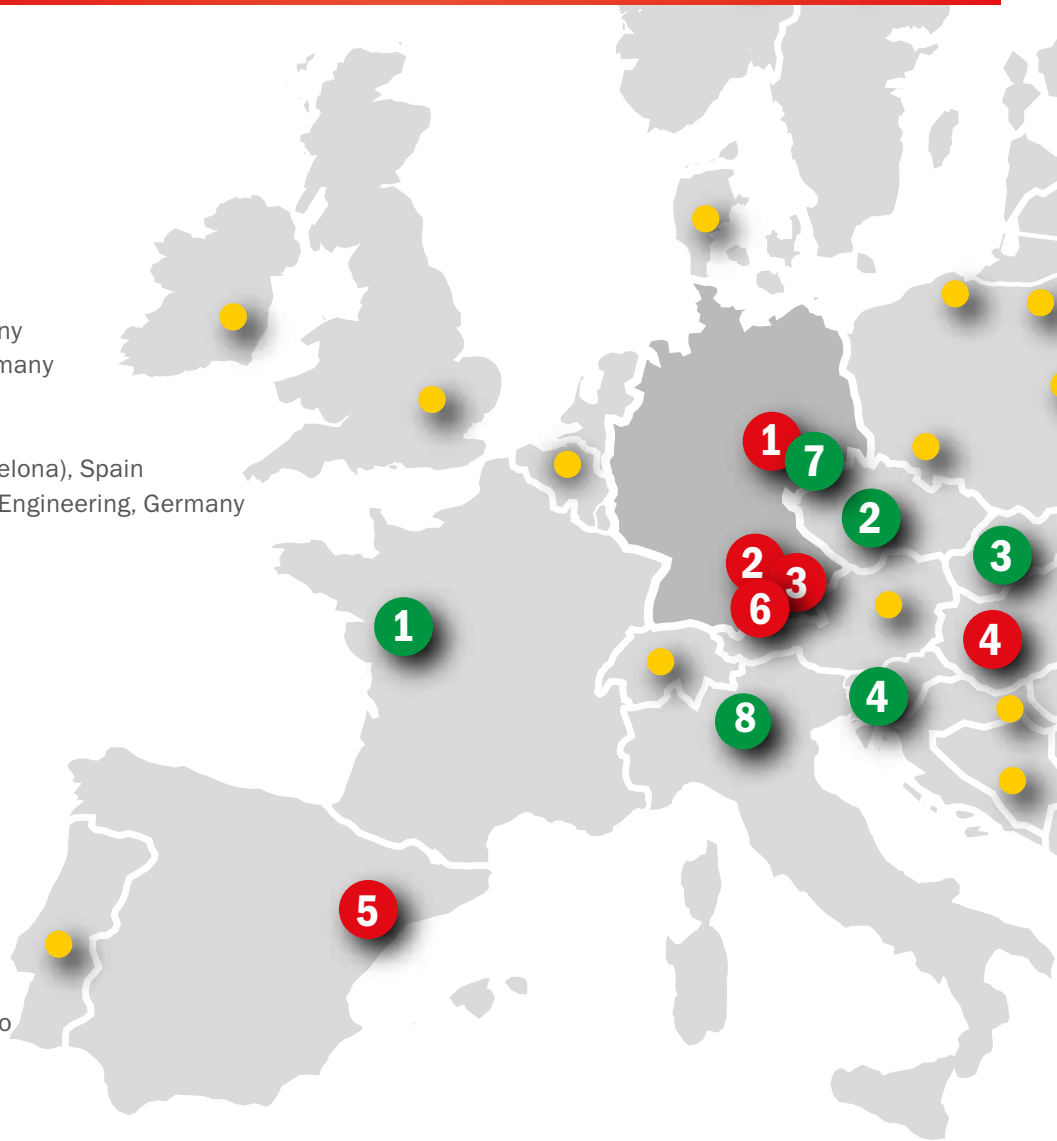
## Manufacturing Locations

- 1 Fliegl Fahrzeugbau, Triptis, Germany
- 2 Fliegl Agrartechnik, Mühldorf, Germany
- 3 Fliegl Agro-Center, Kastl, Germany
- 4 Fliegl Kft. Abda, Hungary:
- 5 Fliegl Ibérica S.L., Vilafranca (Barcelona), Spain
- 6 Fliegl Construction and Municipal Engineering, Germany
- 7 Fliegl Brasil
- 8 Fliegl Sibirien, Barnaul
- 9 Fliegl Argentinia

## Distribution Centers

- 1 Fliegl Frankreich, Nantes
- 2 Fliegl Tschechien, Radomysl
- 3 Fliegl Slowakei, Komarno
- 4 Fliegl Slowenien, Celje
- 5 Fliegl Rumänien, Arad
- 6 Fliegl Russland, Orjol
- 7 Fliegl Agro-Center-Ost, Triptis
- 8 Fliegl Italien, Montebello/Vicentino

● Additional locations



- 2 **Fliegl Agrartechnik GmbH**  
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Fax: +49 (0) 86 31 307-550  
e-Mail: info@fliegl.com

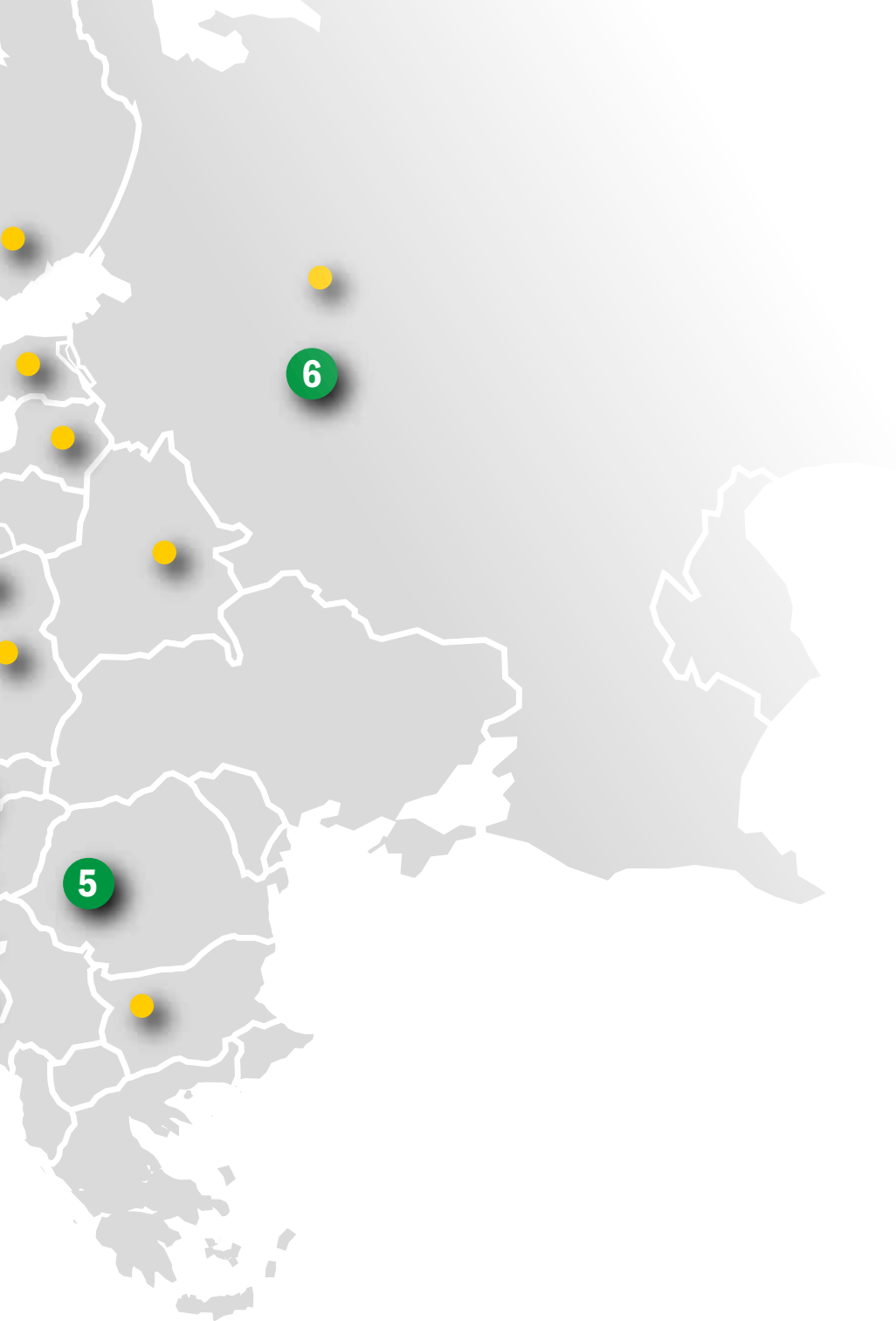


- 3 **Fliegl Agro-Center GmbH**  
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NEW: Tanks and liquid manure technology 2017  
80 pages with many new details and product presentations





## Tanks and liquid manure technology



We are Fliegl



# AGRICULTURAL TECHNOLOGY FROM MODERN PRODUCTION

The Fliegl works is one of the most modern works in Europe. Here innovative vehicles and agricultural machines that make agricultural work simpler, more effective and more economical, are developed.



For tens of years the name Fliegl has stood for quality, and well thought out practical solutions for agriculture. These are the advantages that has made Fliegl no. 1 in Europe in the area of agricultural trailers. It does not matter if dumpers, original push-off trailers, liquid manure technology or harvesting logistics: With Fliegl you always have the optimal transport concept.







MEMBER OF



### **Switch on to full power!**

“Power On!” is Fliegl’s moto. It is a clear start signal and at the same time motivates maximum performance. With the new works, we offer entirely new possibilities for farmers, contractors, trade partners and employees. Yet more capacity and shorter delivery times from one of the most modern production plants in Europe.

### **Innovative products in top quality**

Just because an idea is new, does not mean it is good. In Fliegl, everything is checked and tested thoroughly. We know the demands of the market and we talk with the users. With modern CAD offices, our engineers and designers develop products that are harmonious in detail, and have clear practical advantages. Innovations from Fliegl Agrartechnik are always tangible solutions for specific tasks.

### **German quality in worldwide use**

In spite of globalization Fliegl develops and constructs consistently in Germany. One reason for this is the qualified specialists. Whether engineers of apprentices: We are set on competence, we are always expanding, through our own further and advanced education and training. Another factor is that high technical standard in Germany. Ideal conditions that come from our ideas lead to the quality products, that you expect from the name Fliegl.



# VACUUM TANKER

## VOLUME: 3,000 TO 30,000 L

Top standards and advanced innovation in liquid manure technology



Single-axle vacuum tanker



... with 30.5" tyres incl. wheel cutout



3-axle tanker 20,000 L in offset design

### Standard equipment:

- Tank and frame high-quality, thick steel plate, hot-galvanised
- Continuous, particularly strong angle frame
- Adjustable drawbar
- From 5,000 litres with 600 mm diameter access hole
- Hose storage
- Suction access front left or front right or rear (from 3,000 litres)
- Baffle (from 6,000 litres)
- Level indicator
- Hydraulic valve
- Self-starting supplementary siphon
- 6-inch suction valve with quick connector standard from 5,000 l



Battioli Kompressor



# THE RIGHT SOLUTION FOR EVERY PURPOSE



VFW 22,000 L also available with custom paintwork



2-axle semi-trailer tanker with 1-axle dolly



VFW 14,000 L with Universal cutting tool



Hertell Kompressor



VFW 28,000 l with 6 m manure grubber



# PUMP TANKER VOLUME: 5,000 l TO 28,000 l

Greater impact in professional applications



Hydraulic cover, 700 mm x 700 mm opening



PFW 18,000 L with hydraulic double auger distributor

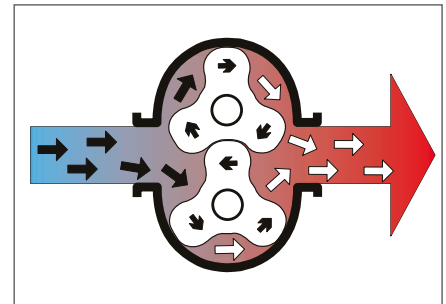
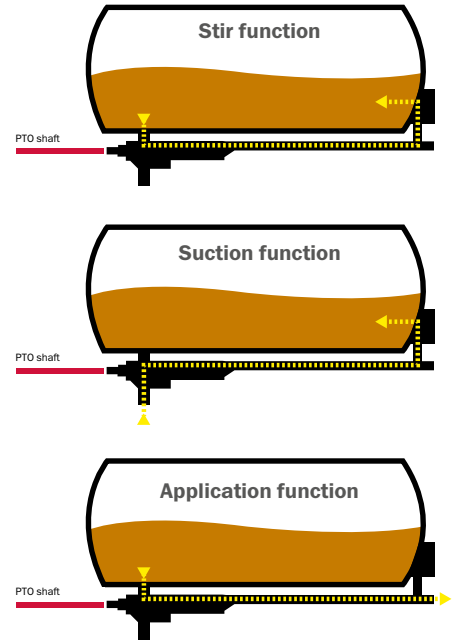






## Eccentric screw pump, 4,000 or 6,000 litres

The eccentric screw pump delivers a pulsation-free flow. The screw-shaped rotor pumps even very viscous slurry without difficulty and at high volume and high pressure. Even deep slurry tanks are no problem for the pump. The pump is connected to the tanker at front and back; it pumps slurry into the tank at the back and can also deliver slurry from the front of the tank. The tanker can be switched from filling or drainage and also mixing in the tank with a 3-way valve.



Optional: Rotary Piston Pump



Standard wheel cutout with 30.5" tyres

## Standard equip-

- Tank and frame high-quality, thick steel plate, hot-galvanised
- Adjustable drawbar
- Self-supporting design
- Eccentric screw pump, 4,000 litres (standard) 6,000 litres (optional)
- Conical rotary valve, can be lubricated and adjustable
- Coupling 6"
- Suction line 6"
- Baffle from 6,000 litres
- Tank level indicator
- 6-inch suction valve with quick connector standard from 5,000 l

# POLY-LINE AND STAINLESS STEEL TANKER



Standard attachment for four-point hydraulics



PolyLine 9000 with distributor head

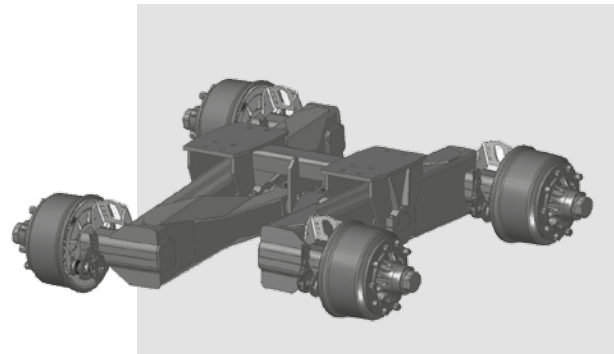


PolyLine is available with many different types of equipment, e.g. with telescopic axis

## »PolyLine« FIBRE-GLASS TANKER

**6,000 to 18,500 litres volume**

- Guaranteed rust-proof!
- Mechanically adjustable axle unit (for retrofitting attachments)
- Optional hydraulic axle adjustment
- Good for transport and delivery of aggressive substances (e.g. urea or other liquid manures)
- Extremely low centre of gravity
- Available as pump or spreader tanker



Floating axle unit with 18,500 l



## SPREADER TANKER VOLUME: 5,000 I TO 30,000 I



Good driving safety with all PolyLine tankers:  
The specially designed frame ensures a very low  
centre of gravity



Dual use: also ideal as feeder tanker



»Light« 18,000 litre spreader tanker with  
700/30.5 tyres; tare weight 5700 kg



### STAINLESS STEEL TANKER

- Fliegl stainless-steel tanker trailers are guaranteed rust-proof!
- Stable self-supporting design for virtually life-long operation
- Significant weight savings compared to galvanised steel
- This offers up to 1,000 litres more transport volume



# FILLING TECHNOLOGY

## EQUIPMENT OPTIONS FOR VACUUM TANKERS AND...



**Quick connector (6" or 8")**  
Left, right and rear available.



**Turbo filler with quick connector (6" or 8")**  
Left, right and rear available.



**Quick connector (6" or 8")**  
Left and right possible.  
From 30.5" tyres



**Turbo filler with quick connector (6" or 8")**  
Left and right possible.  
From 30.5" tyres



**Suction nozzle with 8" turbo filler**  
Left and right possible.  
With docking station; pressure sequence valve and hydraulic compressor switch



**Elefant 8" suction nozzle**  
Left and right possible.  
Length 5000 mm with quadruple control block  
Turbo filler and telescopic extension 1500 optional



**Side suction extension (6")**  
Left and right  
4500 mm long



**Slurry crane 8"**  
Swivels both sides (180°)  
Length 8500 mm  
incl. turbo filler and quadruple control block



# SLURRY COUPLINGS

All Fliegl tankers are fitted with the Italian system as standard equipment. Other systems, such as Perrot, Bauer or Bazzoli Siegerperle can be retrofitted or converted.

## ...FOR PUMP TANKERS



**Quick connector (6" or 8")**  
Left and right possible.

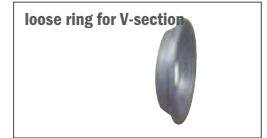
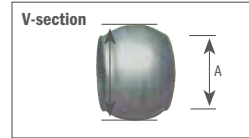
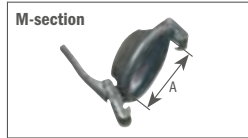


**Elefant 8" suction nozzle**  
left or right  
Length 5000 mm with quadruple control block  
Optional 1500 mm telescopic extension



**Suction nozzle 8"**  
Left and right possible.  
With docking station; pressure sequence valve and hydraulic compressor switch

### THE »ITALIAN« SYSTEM



This system has a lever welded to the M-section. A ball with a loose clamping ring is on the V-section. The ring must have a sharp edges where the M-section lever locks. If the edge is rounded, it is the »Bazzoli Siegerperle« system.

To calculate the size of the Italian coupling, either the external diameter of the V-section or the internal diameter of the M-section must be measured. The external diameter of the V-section or the internal diameter of the M-section must be the same for the M-section and V-section. The coupling hose ferrule is measured outside or at the internal hose diameter.

#### Sizes of the Italian system

##### M-section (with O-ring)

Internal size A 131 mm = 4"  
Internal size A 151 mm = 5"  
Internal size A 181 mm = 6"  
Internal size A 245 mm = 8"  
Internal size A 301 mm = 10"  
Internal size A 371 mm = 12"

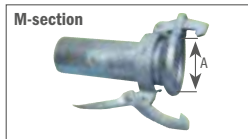
##### V-section (with loose clamping ring)

External size B 130 mm / internal size A 100 mm = 4"  
External size B 150 mm / internal size A 120 mm = 5"  
External size B 180 mm / internal size A 150 mm = 6"  
External size B 240 mm / internal size A 205 mm = 8"  
External size B 300 mm / internal size A 254 mm = 10"  
External size B 370 mm / internal size A 304 mm = 12"

##### Hose sizes

4" = 100 mm  
5" = 120 mm  
6" = 150 mm  
8" = 200 mm  
10" = 250 mm  
12" = 300 mm

### THE PERROT SYSTEM



This system has a movable ring on the M-section to which the lever is attached. The V-section has a cone and consists of only one part.

To calculate the size of the Perrot coupling, either the external diameter of the V-section or the internal diameter of the M-section must be measured. The coupling hose ferrule is measured outside or at the internal hose diameter.

#### Sizes of the Perrot system

##### M-section Perrot (with O-ring)

Internal size A 150.0 mm = 4"  
Internal size A 171.5 mm = 5"  
Internal size A 203.5 mm = 6"  
Internal size A 288.0 mm = 8"

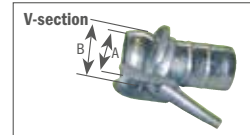
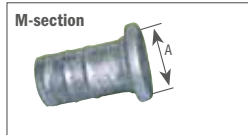
##### V-section Perrot

External size B 155 mm / internal size A 108 mm = 4"  
External size B 179 mm / internal size A 133 mm = 5"  
External size B 211 mm / internal size A 159 mm = 6"  
External size B 313 mm / internal size A 216 mm = 8"

##### Hose sizes

4" = 108 mm  
5" = 133 mm  
6" = 159 mm  
8" = 216 mm

### THE BAUER SYSTEM



This system has a movable ring on the V-section to which the lever is attached. The M-section is cup-shaped and consists of only one part. To calculate the size of the Bauer coupling, either the external diameter of the V-section or the internal diameter of the M-section must be measured. The coupling hose ferrule is measured outside or at the internal hose diameter.

#### Sizes of the Bauer system

##### M-section Bauer (with O-ring)

Internal size A 144 mm = 4"  
Internal size A 160 mm = 5"  
Internal size A 180 mm = 6"  
Internal size A 235 mm = 8"  
Internal size A 305 mm = 10"

##### V-section (with lever and clamping ring)

External size B 143 mm / internal size A 111 mm = 4"  
External size B 158 mm / internal size A 137 mm = 5"  
External size B 179 mm / internal size A 154 mm = 6"  
External size B 229 mm - 8"  
External size B 297 mm - 10"

##### Hose sizes

4" = 108 mm  
5" = 120 mm / 125 mm / 133 mm  
6" = 159 mm  
8" = 200 mm  
10" = 250 mm



# LOGISTICS SOLUTIONS FOR FIELD AND ROAD

Profi delivery tanker available in 20,000 L as tandem and 27,000 L as tridem

Equipment:

- air suspension
- hydraulic D600 filling dome
- mechanical turbo spreader with overloading arm, 12,000 L/min
- filling height 1.50 m to 5.50 m







**»Lagune 74« field edge container  
with hydraulic lift axle and drawbar suspension**

Optional equipment:

- Turbo filler with overloading arm, approx. 6000 L/min
- Mechanical turbo spreader with overloading arm, 12,000 L/min
- High-pressure pump with shredder for slurry hoses



# FLIEGL AUGER DISPENSER »GARANT« – THE UNIQUE SYSTEM!

No blockages, close to the soil, even distribution – even on slopes!  
The patented auger dispenser brings the nutrients to where they belong:  
directly into the soil. Good for growth and good for the environment.



Oil motor for auger dispenser,  
with interim storage for less  
wear and a longer service life.



Transport securing for road traffic  
with hydraulic locking and unlocking.



Storage box for foreign bodies –  
mechanical or hydraulic emptying.



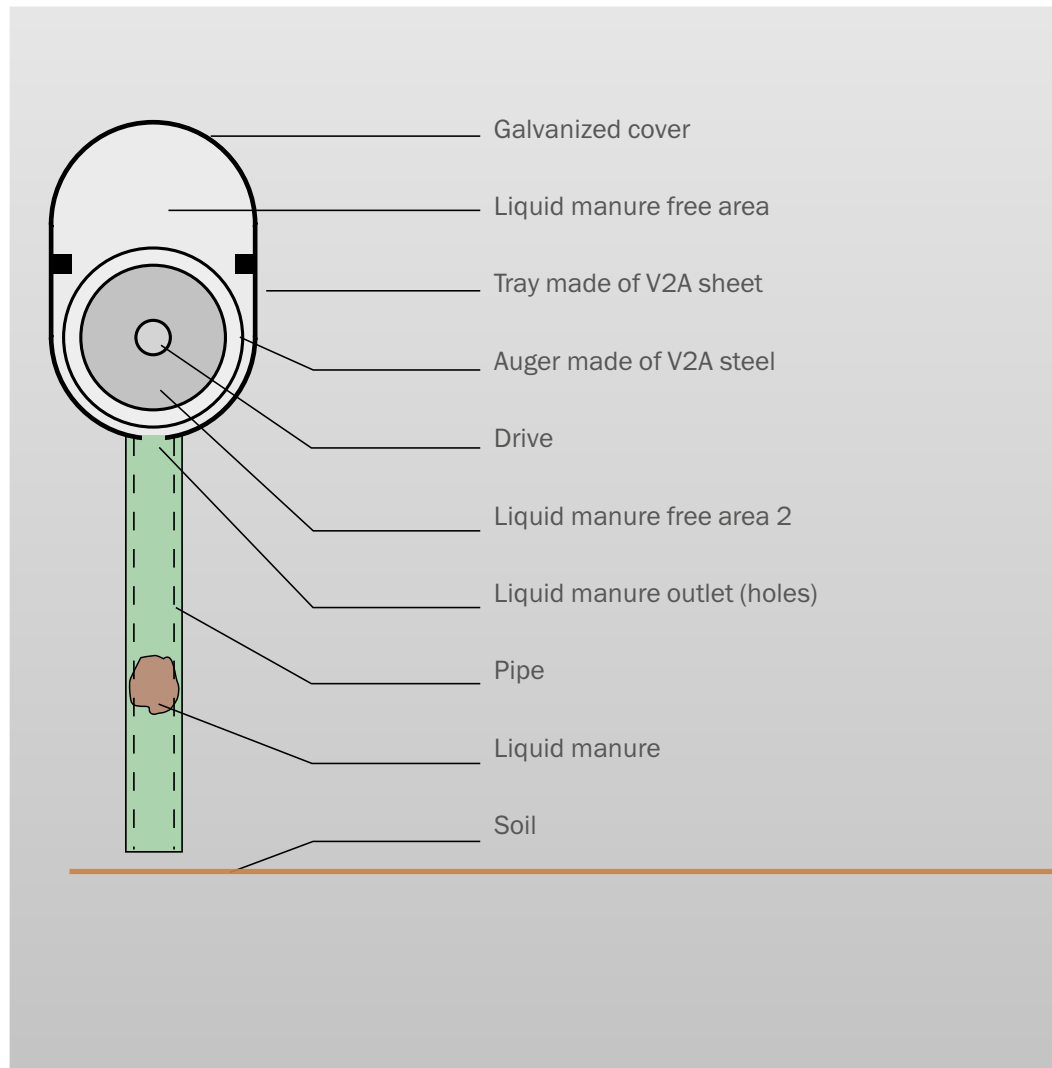




### Ingenious – the patented auger dispenser

The Fliegl protected, close to the soil liquid manure spreading system has advantages for the farmer and the environment: Ammonias and oder emissions, as well as the danger of water contamination are strongly reduced. At the same time the distribution accuracy is increased and with this the nitrogen efficiency is considerably improved.

### CROSS SECTION OF THE DISTRIBUTION ASSEMBLY

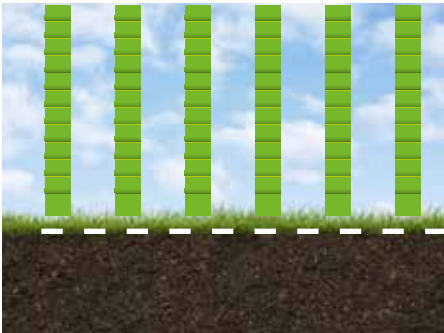


#### Functionality:

The function of the auger (30-60 revolutions/min) is not to distribute the manure, but to transport foreign particles to the outside reservoir. The time limit relay is adjusted the way so that the auger is moving approx. 40 sec. to the outside and 5 sec. to the inside.



## TRAILING HOSE SPREADER »SVG«



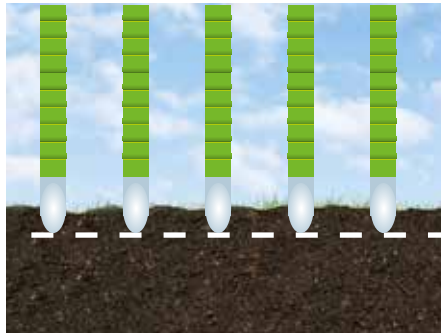
Applied directly on the ground

### Working widths of 6 m to 27 m

- Direct application of manure to the ground via hoses
- Automatic folding up of hoses via wire rope hoists when swivel arms are folded thus no dripping (anti-drip-system)
- Automatic transportation of foreign particles to the stowage box.
- Easy cleaning of stowage boxes due to hinged lid (optionally available with hydraulic emptying of stowage box)
- No clogging, no wear
- Saves the shredder
- Low oil flow rate of only 15 l
- Low power requirement



## TRAILING SHOE SPREADER »SKATE« PERFECT FOR GRASS AND FARMLAND



On grassland: ground is slightly slit open on the turf

Injection approx. **3 - 5 cm** directly into the ground

### Working width of 9 - 21 m

- Robust design, yet low own weight due to special construction of frame and distributor
- No loss of drawbar load since the trailing shoe distributor rests completely on the ground
- High coulter pressure of 6 – 8 kg per trailing shoe
- Individual height adjustment of trailing shoe distributor possible
- Automatic slope compensation as standard
- Specially inclined swivel joints provide an extremely narrow transport position and thus a good all-round view
- Very small transport width of approx. 2.300mm at the top
- Automatic drip stop by swivelling up the rods via comfort control
- Excellent manure distribution, low-maintenance and low oil consumption due to the Fliegl screw distributor
- Thanks to the special folding mechanism, the hoses are not bent when they are folded in and out
- Spring-loaded trailing shoes for optimum adaption to the ground
- Mecanical or hydraulic boom section control available
- Mechanical shut-off of single hoses possible
- Simple mounting directly to tanker, also with older models
- Standard comfort control with automatic folding system and headland function (1 double-acting connection necessary)
- ISOBUS control possible (LS connection necessary)
- Narrow hose distance of 250 mm and thus ideal for grassland and farmland
- No soiling of the leaves – thus better forage quality

# TRAILING SHOE SPREADER »SKATE«

PERFECTION EVEN IN THE SMALLEST DETAIL

## Trailing shoe distributor from Fliegl

Thanks to its special construction, the new trailing shoe distributor „Skate“ is the perfect distributor for every manure tanker.

The „Skate“ allows a less crop-damaging manure application on both, grassland as well as farmland. The proven Fliegl screw distributor with its short discharge hoses ensures an even manure distribution across the entire width.

With the „SKATE“, the crops remain clean and soiling of the leaves is prevented. This results in a better milk quality and a higher feed intake.



## Ideal dimensions for improved road safety

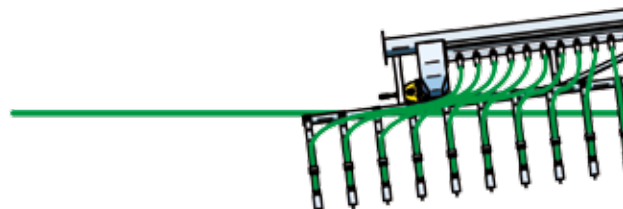
Thanks to the specially angled and not vertical swivel joints, an extremely narrow transport width of under 2.3 m in the road safety related upper area is achieved.

With its very small transport width and the extremely low installation height of the distributor, driving the „Skate“ becomes even safer: Through the rearview mirrors, the happenings on the sides of the vehicle can constantly be observed. Furthermore, the filling dome can be easily reached which makes the filling from above more comfortable. Due to its unique construction, the „Skate“ can be mounted directly to the manure tanker. By swiveling up the trailing shoes, soiling of headland, roads and service roads is prevented.



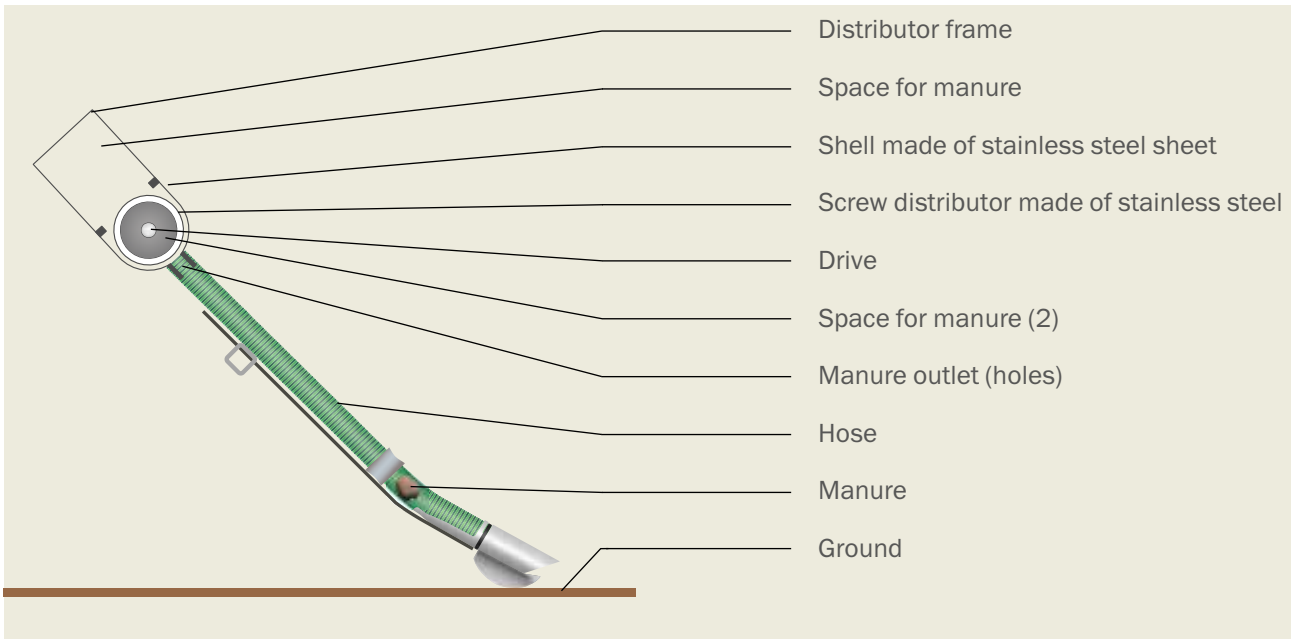
## Simply a strong construction

Thanks to a special folding mechanism, the discharge hoses are not bent when they are swiveled up and inwards which increases their service life. Automatic slope compensation provides a perfect ground adaption. The standard comfort control system „EASY“ relieves the driver and provides more work safety when spreading manure.

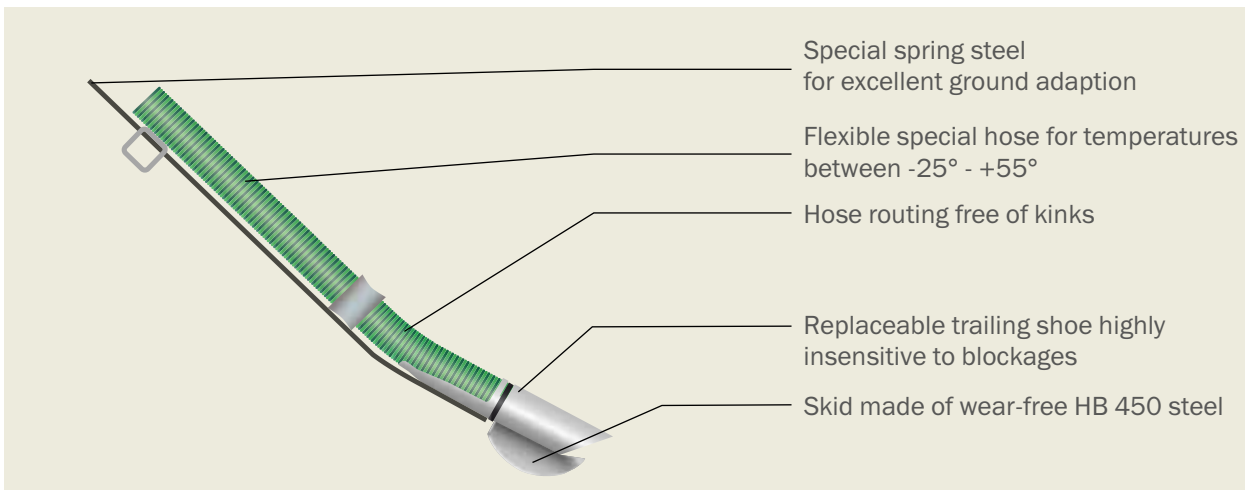




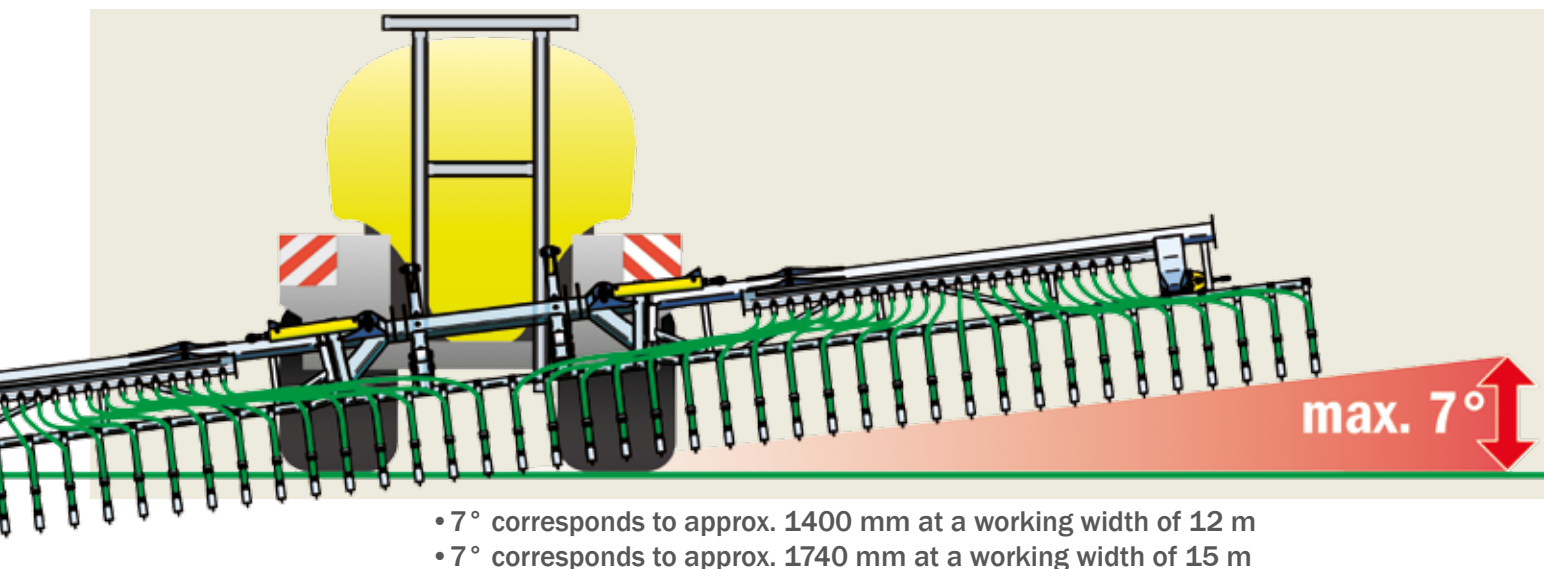
## Cross section of distributor structure



## Structure of trailing shoe



## Automatic slope compensation



# TRAILING SHOE DISTRIBUTOR »SKATE«

## INNOVATIVE MANURE TECHNOLOGY

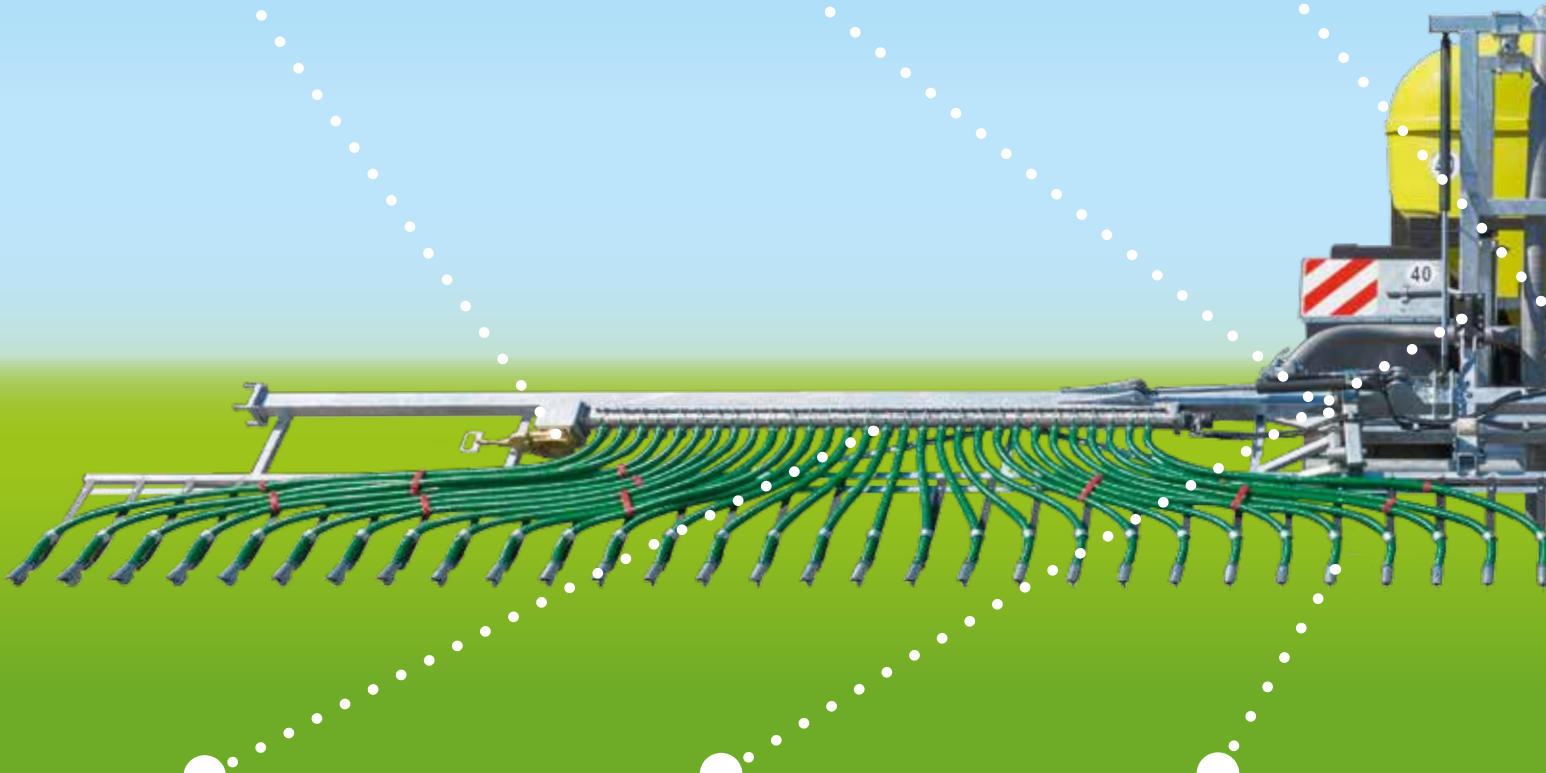
Mechanical or hydraulic opening of stowage box



Specially angled swivel joints



Optional section control mechanical or hydraulic



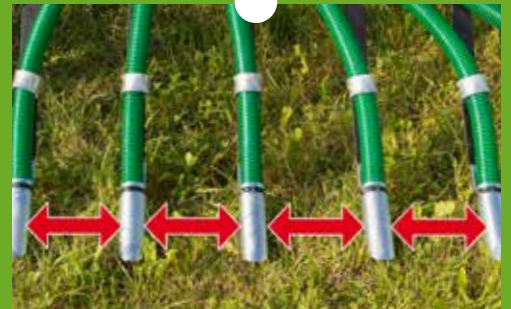
No bent discharge hoses due to special folding mechanism



Automatic slope compensation for optimal ground adaption



Hose distance 250mm





# SKATE

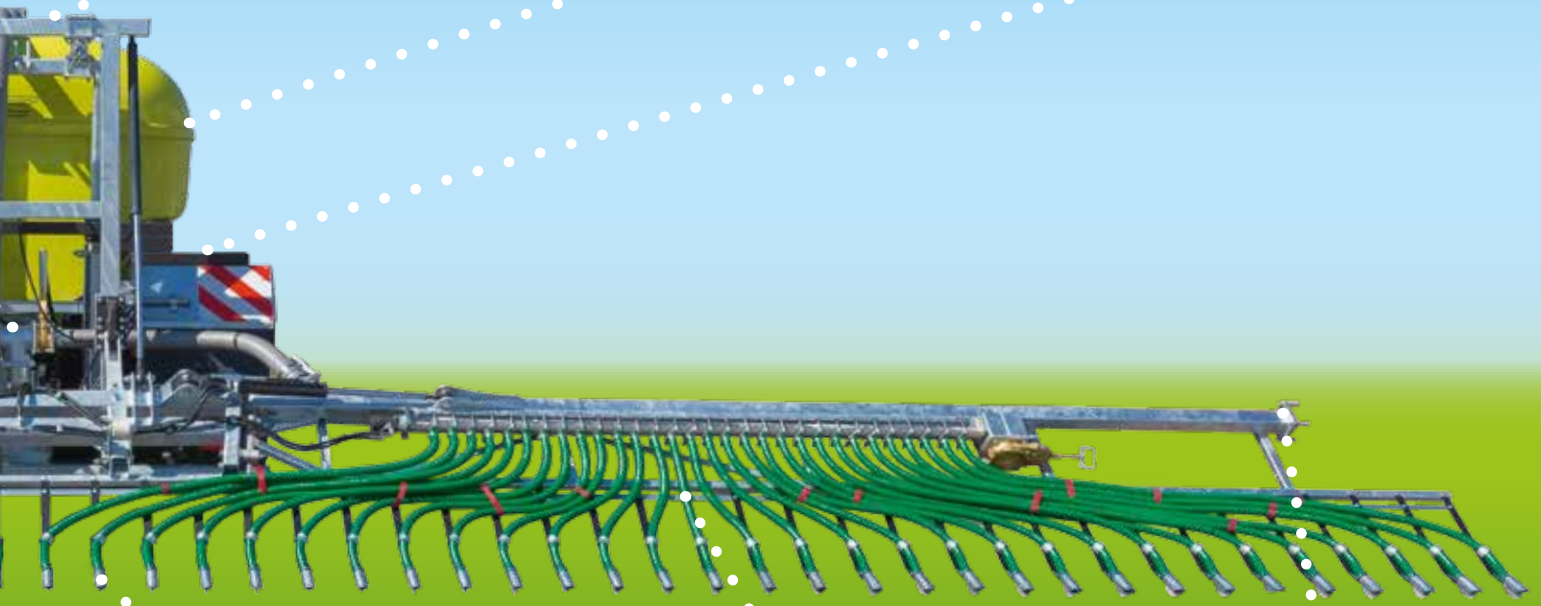
Compact transport width of 2600mm (bottom) and 2600mm (top)



Extremely low construction height



Reliable mechanical transport safety device



Coulter pressure 6-8 kg



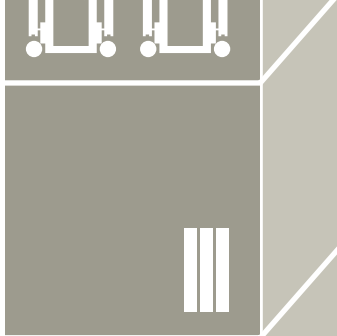
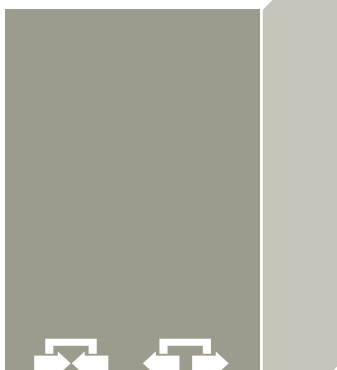
Even distribution quality due to short discharge hoses



Integrated overpressure protection

# THE FLIEGL »SKATE« -

Safe and reliable control



## COMFORT CONTROL

- The standard comfort control system relieves the driver and prevents operating errors.
- With the push of a button, the distribution functions are switched one by one.
- The ergonomic control panel is backlit and can be separated from the cable by a plug connector and thus stay in the tractor.
- Folding of the distributor booms is monitored via sensors in every position and a synchronized and damped folding, even on slopes, is thereby possible.
- With pump tankers, the position of the three-way valve (open/close) is visually displayed on the control panel.

## AUTOMATIC FOLDING SYSTEM

### The distributor...

- lifts itself from the mechanical transport safety device
- folds back the distributor booms
- lowers into the operating position

## AUTOMATIC APPLICATION SYSTEM

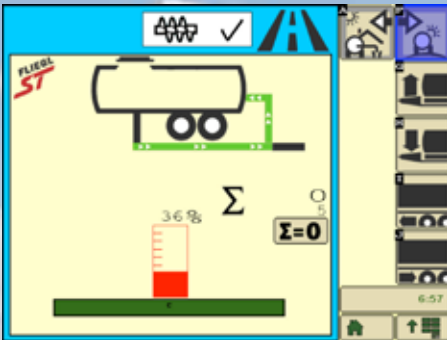
- Gate valve opens
- Spreading augers start operating

## AUTOMATIC HEADLAND FUNCTION

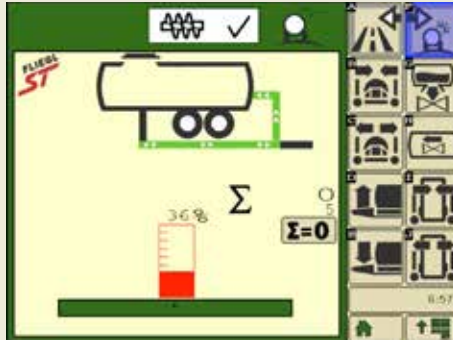
- Spreading auger stops
- Gate valve closes
- Distributor swings up



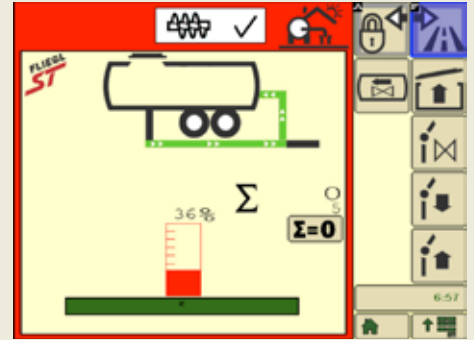
## CONTROL VIA ISOBUS



Operation mode Road



Operation mode Field



Operation mode Farm



There are three different modes: Road, farm and field operation. The reason for this is that in certain modes, only certain functions are available. In the farm mode, which is intended for filling, it is for example possible to not activate the three-way valve at the back. Unwanted malfunctions are thus excluded. The Field mode contains one or more screen pages depending on the number of functions the manure tanker has.

### Advantages

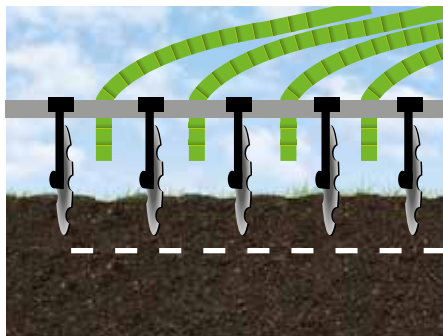
- Increases operational comfort and operational safety when fertilizing.
- The control system uses the existing ISOBUS display and makes an additional control panel in the tractor unnecessary.
- It is compatible with the ISOBUS display (AEF certificate).
- Since the Fliegl Slurry Tanker (FST) only needs three hoses between tractor and trailer, attaching and detaching is really simple.
- Load sensing able as standard

### Technical Data

Types	SKATE 90	SKATE 120	SKATE 150	SKATE 180	SKATE 210
Working width in meters	9	12	15	18	21
Hose distance in mm	250	250	250	250	250
Leaf springs (exact outlet guide)	Standard	Standard	Standard	Standard	Standard
Transport width (top/bottom) in mm	2300 / 2600	2300 / 2600	2300 / 2600	2300 / 2600	2600 / 2990
Comfort control (1 double-acting connection necessary)	Standard	Standard	Standard	Standard	Standard
Number of outlets	36	48	60	72	84
Weight in kg	1050	1250	1480	1790	2120
Auslegerenden hydr. anklappbar				Option	Standard

## DISC CULTIVATOR »MAULWURF«

Powerful ground loosening and purposeful incorporation of the liquid manure in a single process.



Applied **approx. 12 cm** directly into the ground

### Working widths of 3,00 m, 6,00 m and 8,00 m

- With the large dimensions of the six discs, the subsoil is cultivated and the liquid manure is completely spread in one process
- Grain-growing land, uncultivated agricultural fields, fields with green manure
- Hydraulically retractable
- Large adjustable stabiliser wheels
- Stable taper roller bearing
- Coulter diameter: 510 mm
- Reliable application of liquid manure distributed through augers



# “VARIO-DISC“ DISC SLOT DISTRIBUTOR

Patented system for perfect treatment of grassland



Smooth, step-less vertical adjustment



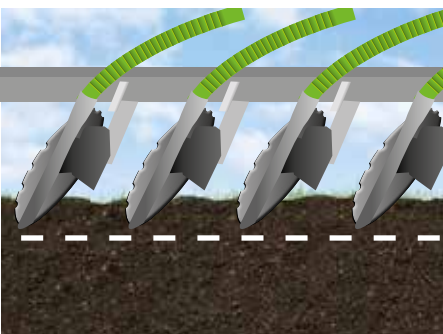
3 step horizontal adjustment



Serrated discs for greater application quality

## Working widths of 3,00 m, 6,00 m und 8,00 m

- All types of grassland
- To be mounted behind each liquid manure tank
- Hydraulic liquid manure auger distributor
- Completely galvanised
- Easy to maintain
- Hydraulically retractable
- Adjustable stabiliser wheels
- Stable taper roller bearing
- Disc diameter: 530 mm

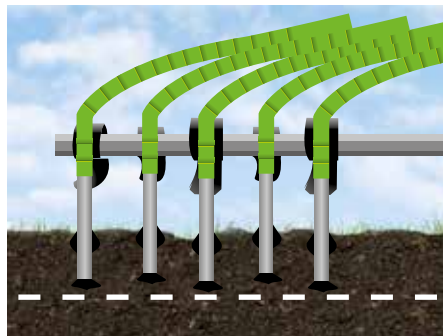


Applied **approx. 5-10 cm** directly into the soil



## “GUG” LIQUID MANURE GRUBBER

Powerful soil turnover and targeted injection of manure in one pass



Injection approx. 10-20 cm  
directly into the soil

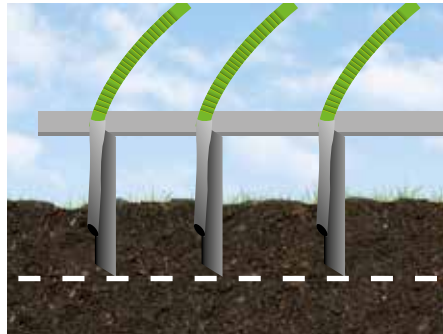
### Working width 3.00 m, 4.50 m and 6.00 m

- Uncultivated stubble
- Fields with green fertilizer
- Robust grubber tines for heavy-duty applications
- Replaceable double-heart tips
- For mounting behind any slurry tanker
- Hydraulic slurry screw distributor
- mechanism
- Fully galvanised frame
- Hydraulically folding (with 4.50 m and 6.00 m working width)
- Easy maintenance
- Convenient operation
- Height-adjustable support wheels



## “TITAN” CUTTING TOOL GRUBBER

Depth and targeted injection of manure in one pass



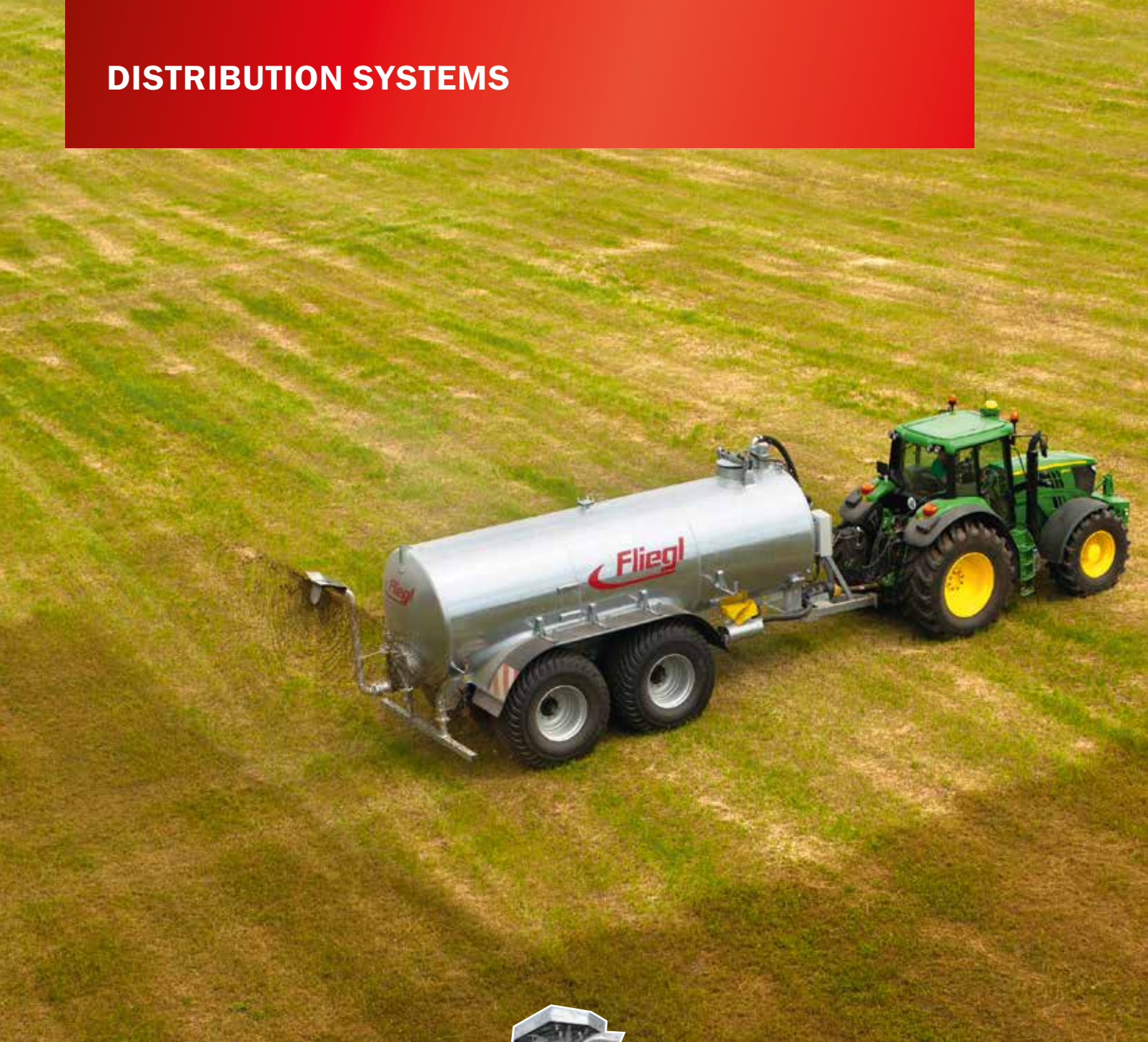
Injection approx. 15-25 cm  
directly into the soil

### Working width 3.00 m, 4.50 m and 6.00 m

- Uncultivated stubble
- Fields with green fertilizer
- Robust cutting tines for heavy-duty applications
- Replaceable cutting tines
- For mounting behind any slurry tanker
- Hydraulic slurry screw distributor mechanism
- Fully galvanised frame
- Hydraulically folding (with 4.50 m and 6.00 m working width)
- Manure injection depth can be adjusted
- Large support wheels
- Chassis optionally available
- Easy maintenance



# DISTRIBUTION SYSTEMS



Improved, targeted distribution with the hydraulic auger spreader. Working width 12 to 18 m.



The nozzle bar spreader with a maximum working width of 21 to 30 m





**Whether distributor head, auger or nozzle distributor:**

**In addition to the close-to-the-soil application, Fliegl is continuously improving its proven systems and developing alternatives.**

**The goal is always to spread the liquid manure more economically and evenly to precisely the right place in the field.**

Auger distributor for application of large drops



Hydraulic double auger spreader



Spreading



Folding combination spreader



**Targeted and improved spreading of liquid manure**

**Easily mounted**



# ACCESSORIES – THE DETAIL SHOWS THE QUALITY

It is often the small details and useful options that demonstrates the practical value and also in many cases the dual use of a vehicle. Fliegl accessories make your tanker an efficient implement for all purposes.



Digital flow meter

Analogue flow meter with display



Control panel for tank control (control block)



Hydraulic internal agitator with auger for optimum homogenisation of liquid manure (recommended for pig manure)



Mechanical filling dome  
Available sizes: Ø 300 and Ø 400 mm



Hydraulic filling dome  
Available sizes: Ø 500 and Ø 600 mm



Internal air agitator, only available in combination with compressor. Homogenises liquid manure



Plexiglas level indicator



Level indicator with float ball (standard equipment)





Optional telescoping axle for single-axle and tandem tankers



Control panel with joystick control for suction hose or slurry crane



Tyre-pressure monitoring system for field use to reduce soil compression with one and two-pipe system



Piston compressor with up to 3 m<sup>3</sup> air capacity



Robust support stand  
Standard with drawbar suspension



Hydraulic bell valve, robust and resistant to residues  
(ideal for straw manure)

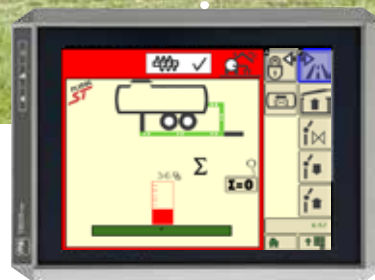


Heavy attachment console for three or four-point hydraulics



# FLIEGL SLURRY TANKER PERFECT SPREADING OF LIQUID MANURE

Fliegl Slurry Tanker (FST) is a control unit that enables convenient control of all the functions of the slurry tanker with an ISOBUS display



MEMBER OF



## Advantages

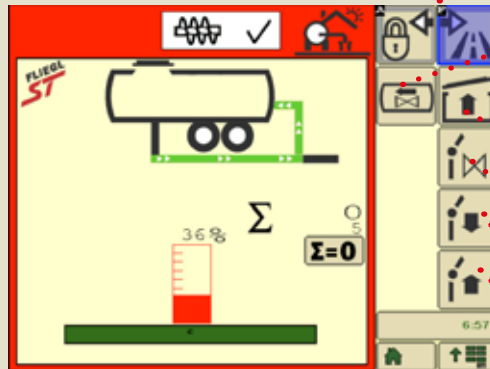
- Simplifies spreading of liquid manure
- Increased operator comfort and safety during fertilisation
- The control unit uses the ISOBUS display and does not require an additional control panel in the tractor.
- It is compatible with any ISOBUS display (AEF certificate).
- Because the FST only requires three hoses between tractor and tanker, coupling and uncoupling is perfectly simple.
- Standard load-sensing capacity – i.e. the hydraulic functions are supplied with only the exact volume of oil required; this reduces both oil heating and also fuel consumption.





It has three different modes: road, farmyard and field. The reason for this is that only specific functions are available in specific modes. For example, in farmyard mode, which is intended for filling, the three-way valve at the back cannot be actuated. This prevents unwanted malfunctions. Field mode has one or more pages, depending on the number of functions of a tanker.

• **Farmyard mode**



Changing mode

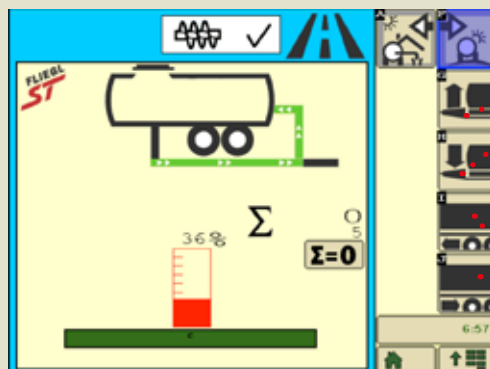
Open and close front valve

Open and close dome cover

Open and close the suction arm valve

Fold and unfold the suction arm

• **Road mode**

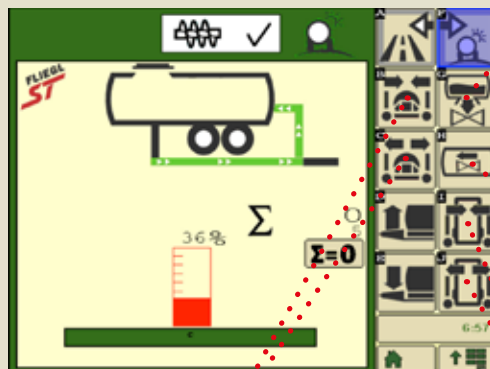


Adjust drawbar for coupling and uncoupling

Axle adjustment to control the support load



• **Field mode**



Move three-way valve to spreading position. The pump is automatically switched on.

Open and close front valve

Fold and unfold distributor; the transport lock is automatically opened and closed.

Fold and unfold drag hoses

# SPREADING LIQUID MANURE: PRECISION WITH FLIEGL FLOW CONTROL



## Three versions of Fliegl Flow Control are available:

### FFC without controlled pump

With the version without a controlled pump, you can easily adjust the application amount in  $\text{m}^3/\text{ha}$ . The optimal speed to achieve the desired application amount is calculated and displayed. This version is therefore primarily suitable for flat regions.

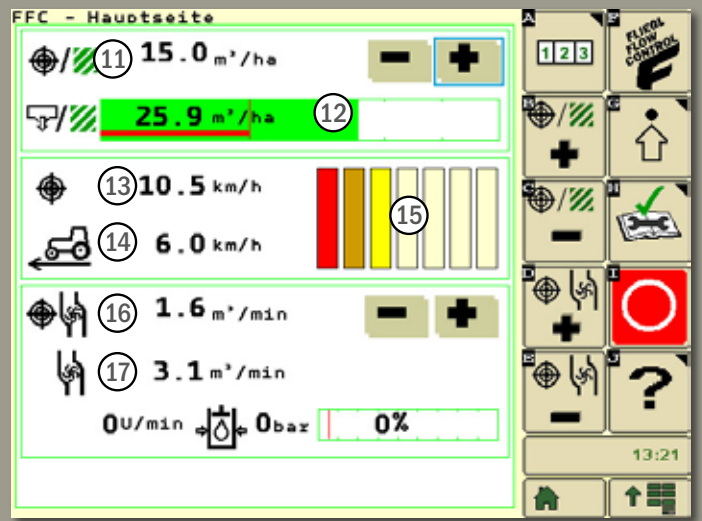
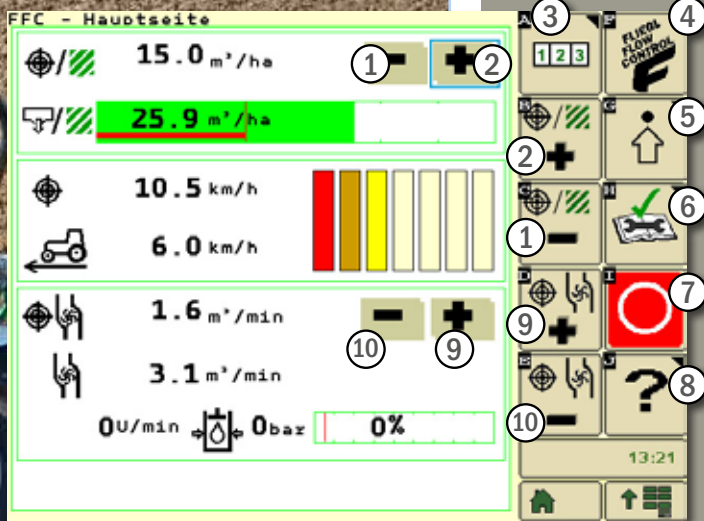
### FFC with bypass system

If the engine is operating at full capacity and the recommended speed can no longer be achieved when going uphill, the PTO speed must be reduced to avoid overfertilisation. With the new bypass system from Fliegl, manure is simply directed from the feed line back into the tank. This means there is less manure at the linkage and overfertilisation is avoided. The bypass is automatically regulated by the system as required.

### FFC with regulated pump

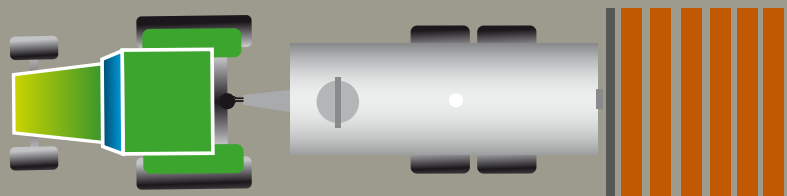
Here, the pump is operated independently of the PTO speed via a separate oil motor. In addition to being able to adjust the application amount in  $\text{m}^3/\text{ha}$ , you can also adjust the application amount in  $\text{m}^3/\text{min}$ . If the diesel engine is operating at full capacity when going uphill, then the calculated optimal speed can no longer be achieved. Thanks to the regulated pump, you can reduce the rate of flow per minute and the optimal speed for this rate of flow is recalculated. In this way you achieve an even spread pattern when travelling uphill also.



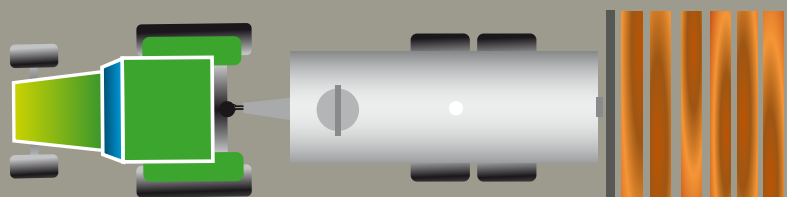


- ① Reduce application amount
- ② Increase application amount
- ③ "Totals": Information regarding total liquid manure applied, length of time etc.
- ④ Main side
- ⑤ Settings
- ⑥ Diagnostics
- ⑦ Start/stop
- ⑧ Help
- ⑨ Increase rate of flow
- ⑩ Reduce rate of flow
- ⑪ Enter desired application amount
- ⑫ Green: current application amount  
Red: desired application amount
- ⑬ Calculated target speed to meet desired application amount
- ⑭ Current speed
- ⑮ Left elements in colour = travel quicker  
Right elements in colour = travel slower
- ⑯ Set desired rate of flow
- ⑰ Current rate of flow

### Greater consistency with spreading with Fliegl Flow Control

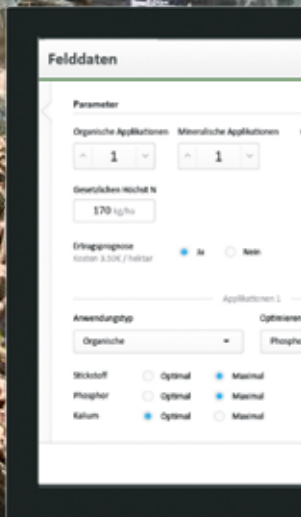


Control unit with Fliegl Flow Control



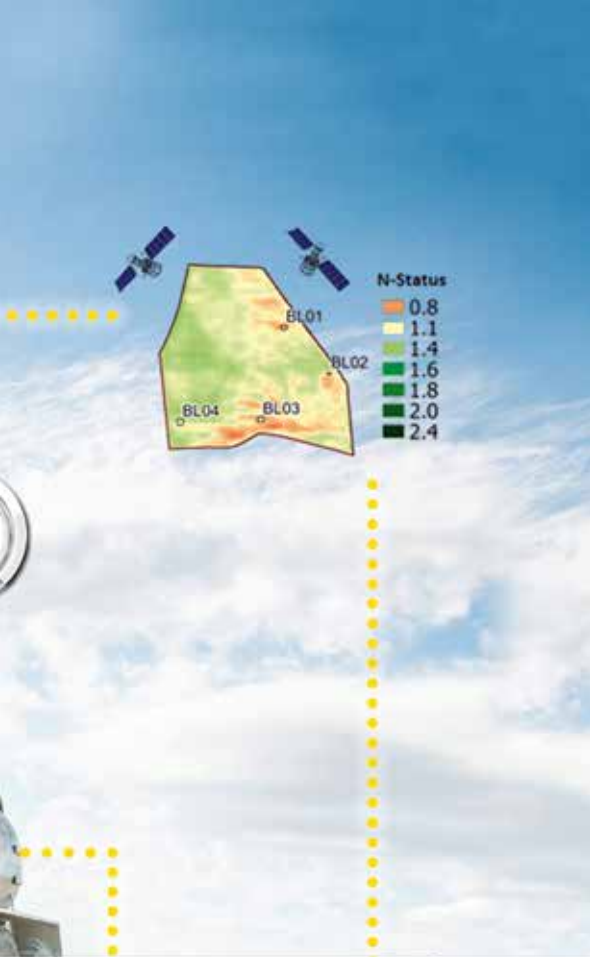
Conventional spreading technology

# EXACT SPREADING OF ORGANIC MANURES BY MEANS OF MANURE SENSING



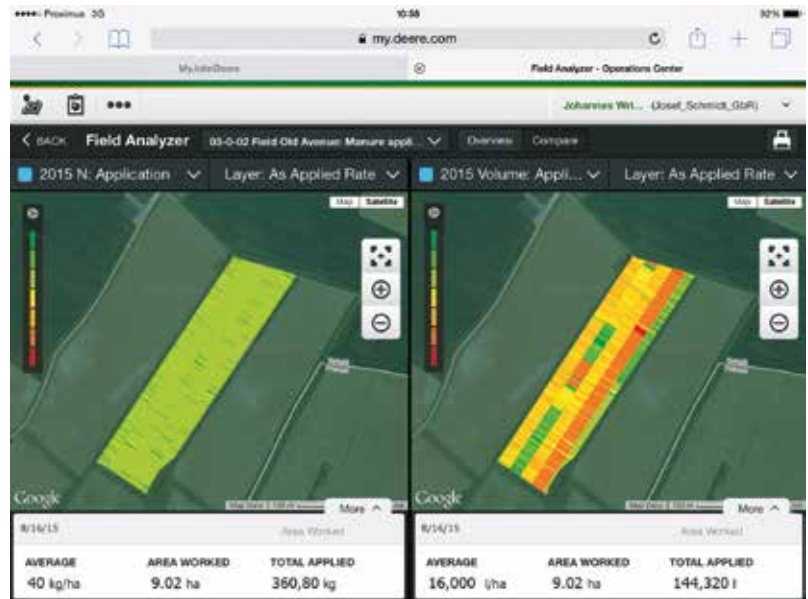
As manure is often very heterogeneous, you never actually know how much nitrogen is being spread per hectare at a given time. With Manure Sensing, the amount of nutrients (N, NH<sub>4</sub>, P, K) in the manure is measured in real time. If you know the nutrient concentration of the manure in the tank, you can adapt the application amount to the amount of nutrients required for the area. In combination with Fliegl Flow Control, the application amount can be adjusted in kg N/ha. In this way you optimise the nutrient balance, make the best use of the nutrients in your manure and maximise your potential yield. It is easier to create the nutritional balance as, in a similar way to mineral fertilisation, you know exactly how many kg of which nutrient are being spread per hectare. If the manure is used optimally thanks to Manure Sensing, there are also savings to be made with mineral fertilisers in most cases.





Gold medal goes to John Deere

Product:  
Connected Nutrient Management



Left: Manure spread by kg N/ha

➔ even N-distribution on the field

Right: Manure distribution in litres/ha

➔ uneven N-distribution inside a tank



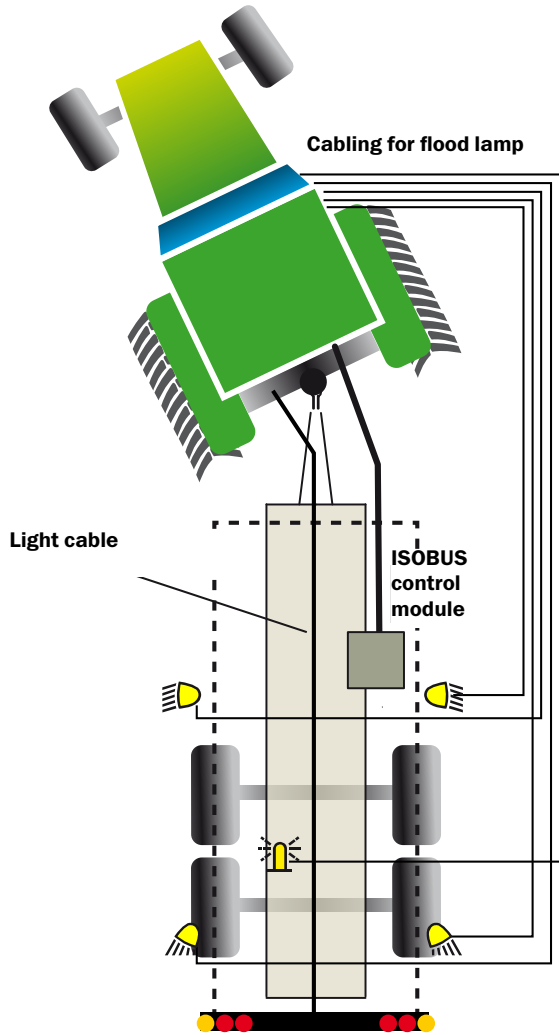
- Real-time measurement of N, P, K, NH<sub>4</sub>, dry mass and volume, directly in front of the applicator
- Precise spreading, appropriate to requirements, of organic and mineral N- and P-fertilisers
- Automatic speed adjustment of the tractor (only with John Deere tractors)
- Documentation:
  - Volume applied
  - Nutrients applied (total per field and for specific sub-areas)
- Utilisation of the entire nutrient potential of the manure while at the same time complying with statutory regulations. The advantages are clear: Yields and product quality are maximised and at the same time the costs for mineral fertilisers are reduced
- Maximum adjustment range and rapid reactions through variable speed and – in the latter instance – through adjustment of the rate of flow by Fliegl Flow Control
- Combines the know-how and technologies of all our innovation partners and thus enables application of nutrients in accordance with the German Fertiliser Directive
- Maximisation of the yield potential

# FLIEGL LIGHT BOX SIMPLE AND CONVENIENT

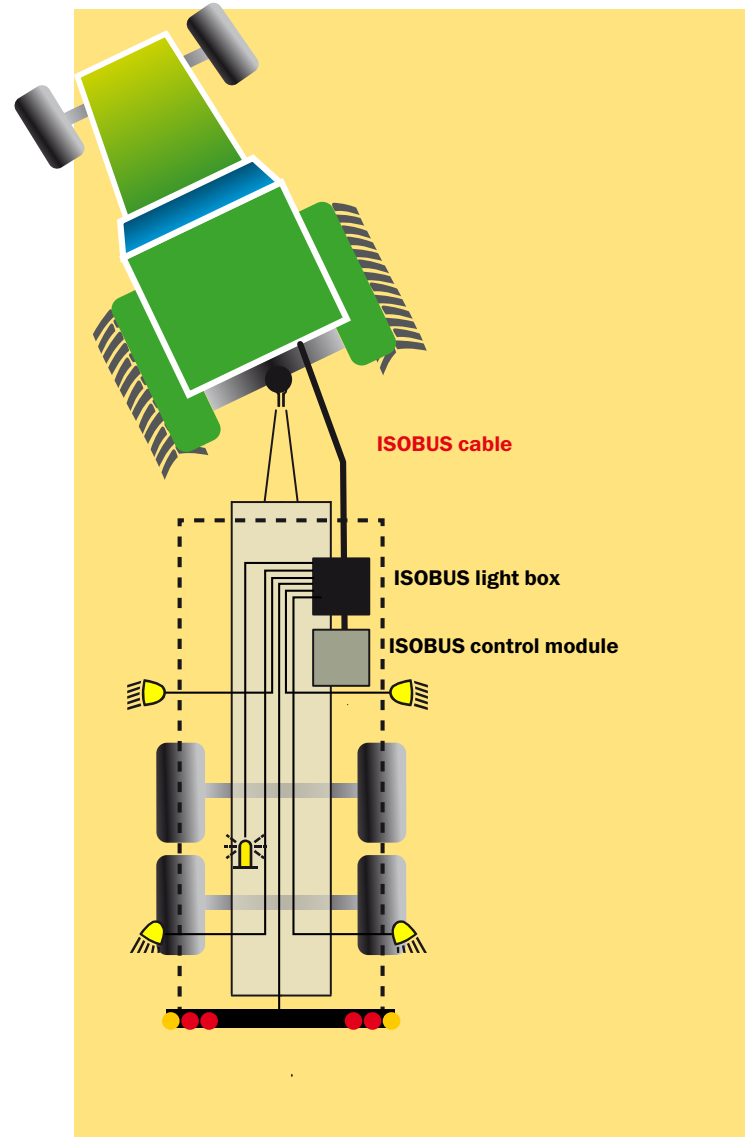
Conforms with EN ISO 11783-9: Lighting ECU

*Fliegl light box*

**Conventional lighting system**



**Lighting system with Fliegl Light Box**



**Separate control panel on tractor not required.**

**Still just one connector**

**Up to 4 work light groups can be controlled**

**Beacon light**





### Your advantages:

- Separate control panel on tractor not required.
- Only one connector - no need to connect a 7-pin light socket.
- Beacon light of attached implement is synchronously connected to the beacon light of the tractor.
- Work light of attached implement is synchronously connected to the work light of the tractor.
- Detection of wire break and lamp failure and short-circuit
- Up to 4 work light groups (max. 20 A/group) can be defined and switched
- By ISOBUS up to 60 A (approx. 14 H3 lights). Universally suited for H3, xenon and LED.

# HIGH-QUALITY CHASSIS TECHNOLOGY

For safe driving even in extreme situations!

## The Fliegl changeover system

Slurry tanker superstructures optional for changeover chassis



Rotating Pitonfix



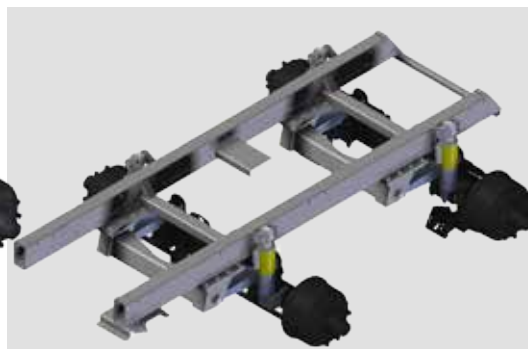
Pitonfix



DIN drawbar eye



TitanPlus



Hydraulic axle suspension



Axle unit »Boogi«





Cylinder for hydraulic  
heighting system



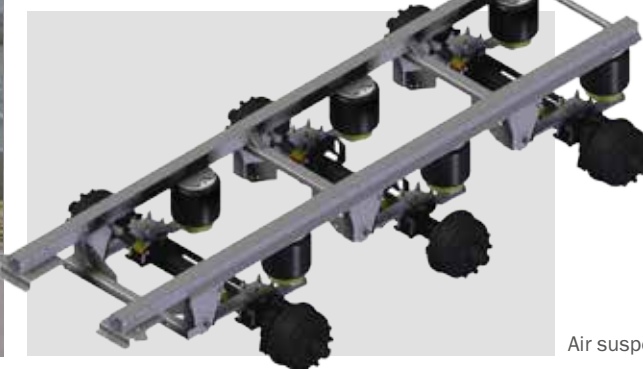
Titan tandem unit for the  
ground compensation



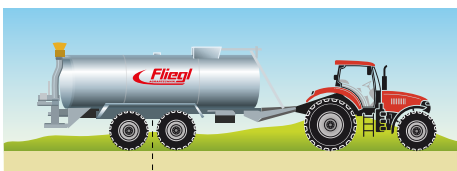
»Gigant«



»Gigant Plus«



Air suspension



Optimum adjustment of tongue weight by  
mechanical adjustment of axles (standard) or  
infinitely adjustable hydraulics (optional)  
The tongue weight can also be adjusted  
when mounting implements (e.g. spreader  
mechanism)

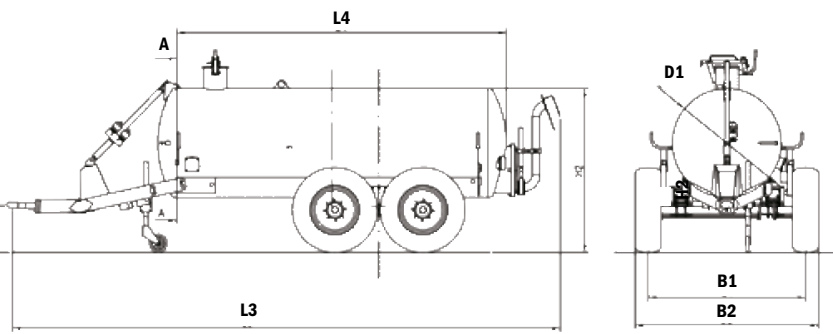


Adjustment of axles to rear for field work  
Higher tongue weight = greater traction for  
tractor



Adjustment of axles forward for road use  
Lower tongue weight = greater driving comfort  
and reduced wear

# TECHNICAL DATA



Fliegl products are continuously inspected and tested in depth in the factory and by independent institutions. For example, the accuracy of distribution of Fliegl screw distributors has been confirmed in the focus test of the DLG.

## Single-axle tanker

Types		
Overall length	approx. mm	L3
Container length	approx. mm	L4
Tare weight	approx. kg	
Track width	approx. mm	B1
Overall width	approx. mm	B2
Container diameter	approx. mm	D1
Overall height	approx. mm	H2
Brakes		

## Tandem tanker

Types		
Overall length	approx. mm	L3
Container length	approx. mm	L4
Tare weight	approx. kg	
Track width	approx. mm	B1
Overall width	approx. mm	B2
Container diameter	approx. mm	D1
Overall height	approx. mm	H2
Brakes		

## Tridem tanker

Types		
Overall length	approx. mm	L3
Container length	approx. mm	L4
Tare weight	approx. kg	
Track width	approx. mm	B1
Overall width	approx. mm	B2
Container diameter	approx. mm	D1
Overall height	approx. mm	H2
Brakes		

## Semi-trailer tanker

Types		STF 25,000 two-axle	STF 25,000 three-axle	STF 29,000 three-axle
Total allowable weight:	kg	35,000	40,000	40,000
Mounted load	kg	11,000	11,000	11,000
Contents	Litres	25,000	25,000	29,000



3,000 l	4,000 l	5,000 l	6,200 l	7,500 l	8,600 l	10,600 l
5,500	6,000	5,900	6,700	7,050	7,050	8,050
2,800	3,300	3,200	4,000	4,350	4,350	5,350
1,150	1,300	1,450	1,700	1,900	2,400	2,800
1,500-1,850	1,500-1,850	1,850-2,050	1,850-2,050	up to 2,150	up to 2,150	up to 2,150
2,100	2,100	2,100	2,500	2,500	2,500	2,500
1,250	1,250	1,400	1,400	1,500	1,600	1,600
1,950	1,950	2,250	2,250	2,350	2,450	2,650
Overrun brake	Overrun brake	Overrun brake	Overrun brake	Air brake	Air brake	Air brake

6,200 l	7,500 l	8,600 l	10,600 l	12,000 l	14,000 l	16,000 l	18,000 l
6,800	7,050	7,050	8,050	8,050	8,950	9,150	9,200
4,000	4,350	4,350	5,350	5,350	6,250	6,350	6,400
1,990	2,250	2,450	3,400	3,800	4,200	4,500	4,800
1,750-1,850	1,750-1,850	1,850-2,000	2,050	up to 2,150	up to 2,150	up to 2,150	up to 2,150
2,300	2,300	2,500	2,500	2,500	2,500	2,500	2,500
1,400	1,500	1,600	1,600	1,700	1,700	1,800	1,900
2,600	2,600	2,700	2,700	2,800	2,800	2,900	2,990
Overrun brake	Air brake	Air brake	Air brake	Air brake	Air brake	Air brake	Air brake

### Quattro tanker

18,000 l	20,000 l	22,000 l	25,000 l	25,000 l	28,000 l	30,000 l
9,200	9,200	10,300	11,500	11,500	12,800	13,500
6,400	7,050	7,750	9,000	9,000	10,300	11,000
5,200	5,800	6,400	7,500	8,200	8,600	9,200
up to 2,150	up to 2,150	up to 2,150	up to 2,150	up to 2,150	up to 2,150	up to 2,150
2,550	2,550	2,550	2,550	2,550	2,550	2,550
1,900	1,900	1,900	1,900	1,900	1,900	1,900
2,990	2,990	2,990	2,990	3,100	3,100	3,100
Air brake	Air brake	Air brake	Air brake	Air brake	Air brake	Air brake

### PolyLine plastic tanker (centrifuge or pump version)

Types	6.000 l	9.000 l	12.500 l	15.000 l	18.500 l
Overall length approx. mm	-	-	-	-	-
Container length approx. mm	3.650	3.650	5.000	5.000	6.500
Track width approx. mm	bis 2150	bis 2150	bis 2.150	bis 2.150	bis 2.150
Overall width approx. mm	-	-	-	-	-
Overall height approx. mm	-	-	-	-	-
Brakes	Air brake	Air brake	Air brake	Air brake	Air brake

# THE NEW FLIEGL TANKER SERIES

Emphasis on efficiency and practicality



## Jumbo Line

The new Jumbo Line series of vacuum tankers is specially designed for hilly terrain. The tankers with a capacity of 5,000 L and up have an offset axle to guarantee a particularly low centre of gravity. Great emphasis was placed on practicality and efficiency in the development of the new series of tankers. For example, the Jumbo Line tankers up to 4,000 L have a 6" connection which is reduced as standard to 5", from 5,000 L an 8" blind flange reduced to 6" is installed. The connection can easily be adjusted on request.



## JUMBO Turbo Line

The Jumbo Turbo Line tanker is distinguished from the Jumbo tanker by the additional rotary pump. The combination of compressor and rotary pump allows the optional installation of a hydraulically swivelled spray nozzle. This allows you to spread liquid manure on steep slopes that would otherwise be inaccessible.





## MAXX Line

The Maxx Line tankers are noted for their solid construction, adjustable axles (on the single-axle tankers) and the economical price. Great emphasis was placed on practicality and efficiency in the development of the new series of tankers.

### **Vacuum tankers**

The tankers have three connection points (both sides in front and rear), which allow filling from all sides depending on the location of your slurry storage.

### **Pump tankers**

The eccentric screw pump transports even viscous liquid manure at high volume and high pressure, and the stone trap protects it from foreign bodies.



## ALPHA Line

The Alpha Line tankers are particularly noted for comfortable driving and operating, comprehensive standard equipment and the application of state-of-the-art technology. This range of tankers has been designed for intensive professional use. The adjustable drawbars with bottom attachment and universal joint with wide angle on one side are standard equipment. A wheel cutout is standard to comply with the legal width requirements for road use in spite of the wide tyres. The Alpha Line tankers are supplied as standard in the 40 km/h model.

### **Vacuum tankers**

The vacuum tankers have a heat-resistant compressor.

### **Pump tankers**

Even deep slurry tanks are no problem for the eccentric screw pump.

# JUMBO LINE

## VOLUME: 3,000 L TO 8,600 L

The low centre of gravity makes them particularly suitable for slopes.



Combination distributor

### Distributor

A spreader is standard equipment on the Jumbo Line series. Optional equipment includes a distributor head and a folding combination spreader. Tankers over 5,000 litres have a standard attachment console for spray bars or screw distributors. This allows you to retrofit equipment such as a drag hose spreader to meet future legislation regulating manure spreading.



The access ladder is standard in all models.



### The modular design simplifies retrofitting of additional equipment

- Sound baffle with oil separator
- Control block with control panel
- Hydraulic turbo filler
- Mudguards
- Internal air agitator including drain valve and hose on siphon
- Hydraulic compressor switching
- Downhill drainage
- and much more



5,000 litres and above with offset axle: Low centre of gravity improves safety on slopes

Volume [L]	Compressor	Brake
3,000	4,000 L	Overrun brake - auto reverse
4,000	4,000 L	Overrun brake - auto reverse
5,000	6,500 L	2-circuit compressed air
6,200	6,500 L	2-circuit compressed air
7,500	6,500 L	2-circuit compressed air
8,600	6,500 L	2-circuit compressed air





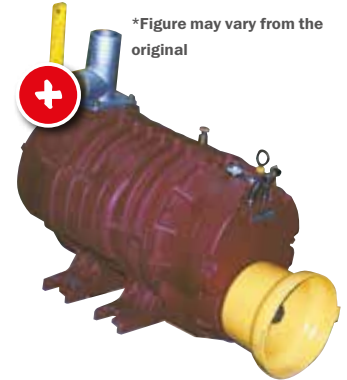
**Filling dome**

A 400 mm diameter filling dome is screwed in position as standard equipment. If you have a slurry pump and wish to continue to use it, a mechanical or hydraulic opening is optionally available.



**Level indicator**

A level indicator is standard from 5,000 L, two sight glasses are standard on smaller tankers.



\*Figure may vary from the original

**Compressor**

A powerful compressor with a capacity of 6,500 litres and a maximum speed of 540 rpm is standard from a tank capacity of 5,000 litres. The compressor has a pressure of 0.5 bar and meets the legal requirements, which means that the tanker does not require regular inspection. The compressor is automatically lubricated by drip lubrication.



Preparation for connection to turbo filler

Suspension	Suction valve	Approved gross weight/tongue weight	Baffles	Tank tipping cylinder and jockey wheel
-	5" left	4,500 kg/500 kg		Folding jockey wheel
-	5" left	5,500 kg/1,000 kg		Folding jockey wheel
Optional drawbar suspension	6" left with quick connector	7,000 kg/1,000 kg		Standard
Optional drawbar suspension	6" left with quick connector	8,000 kg/1,000 kg	1	Standard
Optional drawbar suspension	6" left with quick connector	9,000 kg/1,000 kg	1	Standard
Optional drawbar suspension	6" left with quick connector	10,500 kg/2,500 kg	1	Standard

\*Weitere Bremsen optional auf Anfrage!

# JUMBO TURBO LINE

## VOLUME: 3,000 L TO 8,600 L

The additional rotary pump allows operation of a spray nozzle



Combination distributor

### Distributor

A spreader is standard equipment on the JumboTurbo Line series. Optional equipment includes a distributor head and a folding combination spreader. Tankers over 5,000 litres have a standard attachment console for spray bars or screw distributors. This allows you to retrofit equipment such as a drag hose spreader to meet future legislation regulating manure spreading.



The access ladder is standard in all models.

### The modular design simplifies retrofitting of additional equipment

- Sound baffle with oil separator
- Control block with control panel
- Hydraulic turbo filler
- Mudguards
- Internal air agitator including drain valve and hose on siphon
- Hydraulic compressor switching
- Downhill drainage
- Hydraulically swivelled spray nozzle and much more

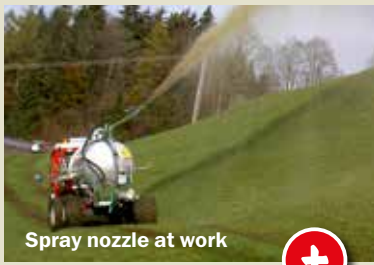


5,000 litres and above with offset axle: Low centre of gravity improves safety on slopes

Volume [L]	Compressor with rotary pump	Brake
3,000	5,000 l, rotary pump 3,500 l	Overrun brake - auto reverse
4,000	5,000 l, rotary pump 3,500 l	Overrun brake - auto reverse
5,000	8,000 l, rotary pump 6,500 l	2-circuit compressed air with manual regula
6,200	8,000 l, rotary pump 6,500 l	2-circuit compressed air with manual regula
7,500	8,000 l, rotary pump 6,500 l	2-circuit compressed air with manual regula
8,600	8,000 l, rotary pump 6,500 l	2-circuit compressed air with manual regula







Spray nozzle at work



**Filling dome**

A 400 mm diameter filling dome is screwed in position as standard equipment. If you have a slurry pump and wish to continue to use it, a mechanical or hydraulic opening is optionally available.



**Level indicator**

A level indicator is standard from 5,000 L, two sight glasses are standard on smaller tankers.



\*Figure may vary from the original



**Compressor with rotary pump**

The Jumbo Turbo Line tanker has a rotary pump in addition to the powerful compressor. The compressor has a pressure of 0.5 bar and meets the legal requirements, which means that the tanker does not require regular inspection. The compressor is automatically lubricated by drip lubrication.



Preparation for connection to turbo filler

Suspension	Suction valve	Baffles	Tank tipping cylinder and jockey
-	5" left		Folding jockey wheel
-	5" left		Folding jockey wheel
Optional drawbar suspension	6" left with quick connector		Standard
Optional drawbar suspension	6" left with quick connector	1	Standard
Optional drawbar suspension	6" left with quick connector	1	Standard
Optional drawbar suspension	6" left with quick connector	1	Standard

\*Weitere Bremsen optional auf Anfrage!

# »MAXX Line« VACUUM TANKER VOLUME: 5,000 TO 25,000 L

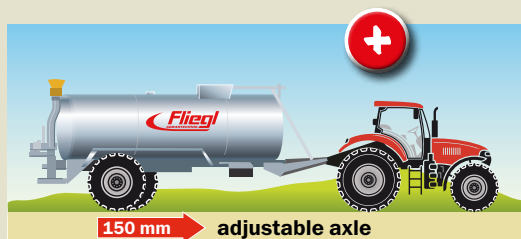
Solid construction at an economical price with comprehensive optional equipment



Distributor head

### Distributor

A spreader is standard equipment on the Maxx Line tankers. A folding combination distributor, a distributor head, a hydraulic auger distributor and a hydraulic double-auger distributor can also be optionally attached. An attachment console for spray bar or screw distributor is standard on this range of tankers. This allows you to retrofit equipment such as a drag hose spreader to meet future legislation regulating manure spreading.



150 mm adjustable axle

The axle on the single-axle tankers can be offset 150 mm for attachment of a drag hose spreader or other attachments.



## The modular design simplifies retrofitting of additional equipment

- Sound baffle with oil separator
- Control block with control panel
- Hydraulic turbo filler
- 8" suction hose with pressure sequence valve
- Turbo filler with 8" suction hose with pressure sequence valve
- Mudguards
- Internal air agitator including drain valve and hose on siphon
- Hydraulic compressor switching
- Docking with riser pipe
- and much more

Volume [L]	Compressor
5,000 single-axle	6,500 L
6,200 single-axle	6,500 L
7,500 single-axle	6,500 L
8,600 single-axle	6,500 L
10,600 single-axle	6,500 L
8,600 tandem	8,000 L
10,600 tandem	8,000 L
12,000 tandem	8,000 L
14,000 tandem	8,000 L
16,000 tandem	8,000 L
18,000 tandem	8,000 L
20,000 tridem	8,000 L
25,000 tridem	8,000 L



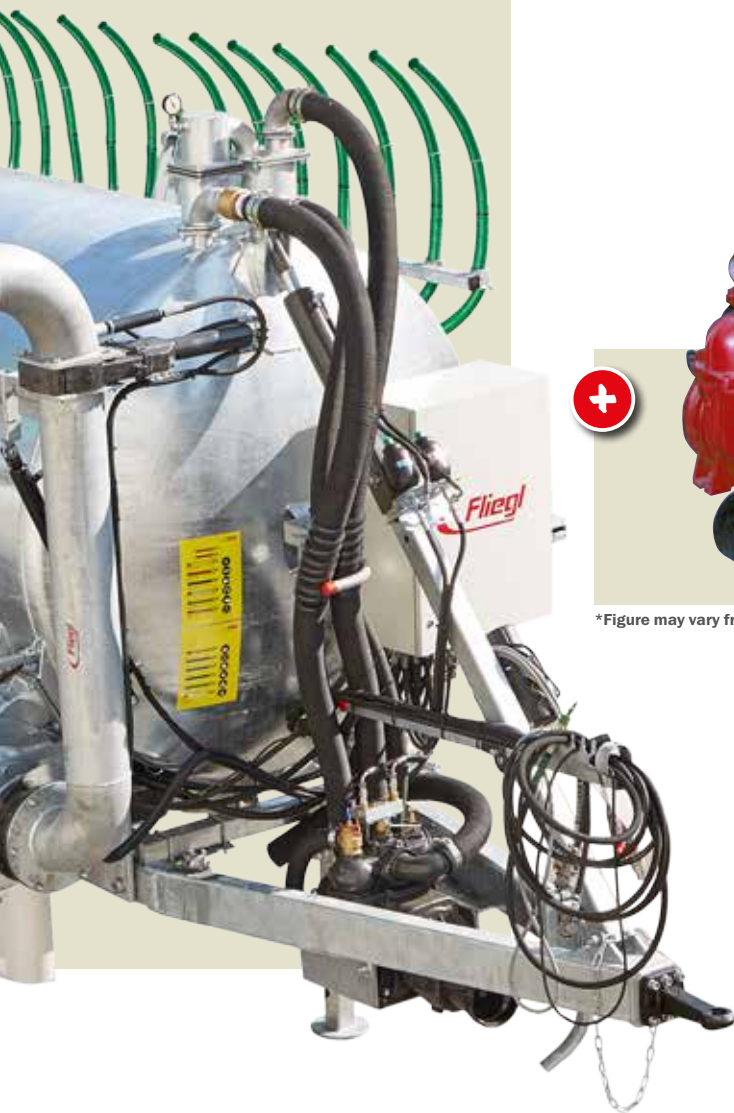


### Filling dome

A 400 mm diameter filling dome is screwed in position as standard equipment. If you have a slurry pump and wish to continue to use it, a mechanical or hydraulic opening is optionally available.



Preparation for connection to turbo filler  
A turbo filler is optionally available for suction of slurry from over 3 m depth. The two 8" blind flanges on both sides at the front are reinforced for the turbo filler. The turbo filler can be retrofitted without additional welding.

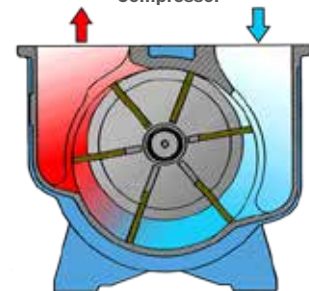


### Compressor

A powerful compressor with a capacity of 6,500 litres and a maximum speed of 540 rpm is standard with the single-axle tankers. All tandem and tridem tankers have a standard 8,000 litre compressor. The compressor has a pressure of 0.5 bar and meets the legal requirements, which means that the tanker does not require regular inspection. The compressor is automatically lubricated by drip lubrication.

\*Figure may vary from the original

Principle of an Compressor



Brake	Suspension	Baffles
Overrun brake - auto reverse		
Overrun brake - auto reverse	-	
2-circuit compressed air with manual regulation	-	
2-circuit compressed air with manual regulation	-	
2-circuit compressed air with manual regulation	-	1
2-circuit compressed air with manual regulation	Titan unit parabolic suspension	1
2-circuit compressed air with manual regulation	Titan unit parabolic suspension	1
2-circuit compressed air with manual regulation	Titan unit parabolic suspension	2
2-circuit compressed air with manual regulation	Titan unit parabolic suspension	2
2-circuit compressed air with manual regulation	GIGANT parabolic suspension axle unit	2
2-circuit compressed air with manual regulation	Gigant unit Plus parabolic suspension	3
2-circuit compressed air with manual regulation, front and rear axle steering	Gigant unit Plus parabolic suspension	3
2-circuit compressed air with manual regulation, front and rear axle steering	Gigant unit Plus parabolic suspension	3

\*Weitere Bremsen optional auf Anfrage!

# »MAXX Line« PUMP TANKER VOLUME: 6,200 TO 25,000 L

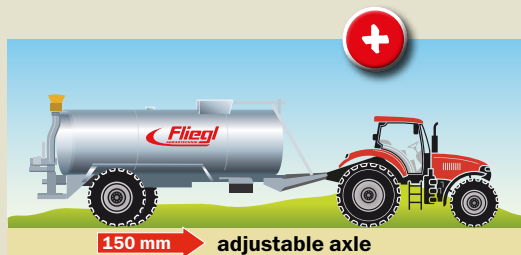
Solid construction at an economical price with comprehensive optional equipment



Distributor head

## Distributor

A spreader is standard equipment on the Maxx Line tankers. A folding combination distributor, a distributor head, a hydraulic auger distributor and a hydraulic double-auger distributor can also be optionally attached. An attachment console for spray bar or screw distributor is standard on this range of tankers. This allows you to retrofit equipment such as a drag hose spreader to meet future legislation regulating manure spreading.



150 mm adjustable axle

The axle on the single-axle tankers can be offset 150 mm for attachment of a drag hose spreader or other attachments.



## The modular design simplifies retrofitting of additional equipment

- Suction valve with quick connector
- Four-point hydraulics
- Control block with control panel
- Control block suitable for load sensing
- Digital tank counter
- 8" suction hose with pressure sequence valve and docking station
- and much more

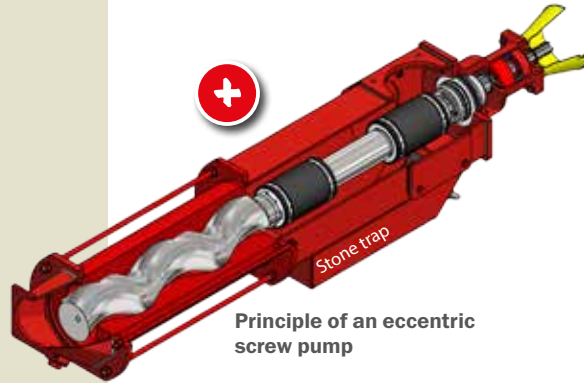
Volume [L]	Eccentric screw pump
6,200 single-axle	4,000 L
7,500 single-axle	4,000 L
8,600 single-axle	4,000 L
10,600 single-axle	4,000 L
8,600 tandem	4,000 L
10,600 tandem	4,000 L
12,000 tandem	4,000 L
14,000 tandem	4,000 L
16,000 tandem	4,000 L
18,000 tandem	4,000 L
20,000 tridem	4,000 L
25,000 tridem	4,000 L





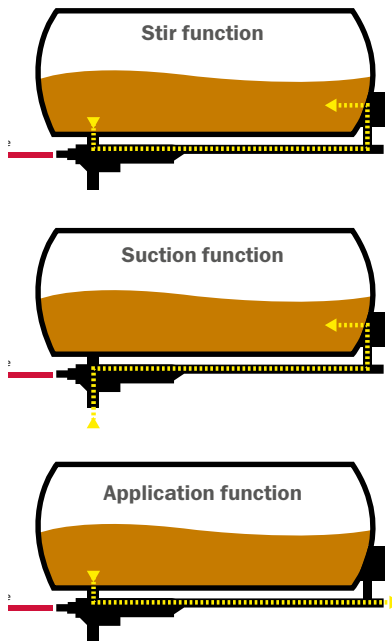
### Filling dome

A 400 mm diameter filling dome is screwed in position as standard equipment. If you have a slurry pump and wish to continue to use it, a mechanical or hydraulic opening is optionally available.



### Eccentric screw pump

The eccentric screw pump delivers a pulsation-free flow. The screw-shaped rotor pumps even very viscous slurry without difficulty and at high volume and high pressure. Even deep slurry tanks are no problem for the pump. The pump is connected to the tanker at front and back; it pumps slurry into the tank at the back and can also deliver slurry from the front of the tank. The tanker can be switched from filling or drainage and also mixing in the tank with a 3-way valve.



Brake	Suspension	Baffles
Overrun brake - auto reverse	-	
2-circuit compressed air with manual regulation	-	
2-circuit compressed air with manual regulation	-	
2-circuit compressed air with manual regulation	-	
2-circuit compressed air with manual regulation	Titan unit parabolic suspension	1
2-circuit compressed air with manual regulation	Titan unit parabolic suspension	1
2-circuit compressed air with manual regulation	Titan unit parabolic suspension	2
2-circuit compressed air with manual regulation	Titan unit parabolic suspension	2
2-circuit compressed air with manual regulation	GIGANT parabolic suspension axle unit	2
2-circuit compressed air with manual regulation	Gigant unit Plus parabolic suspension	3
2-circuit compressed air with manual regulation, rear axle steering	Gigant unit Plus parabolic suspension	3
2-circuit compressed air with manual regulation, rear axle steering	Gigant unit Plus parabolic suspension	3

\*Weitere Bremsen optional auf Anfrage!

# »ALPHA LINE« VACUUM TANKER VOLUME: 10,600 TO 28,000 L

Particularly comfortable to drive and operate and  
state-of-the-art technology for intensive professional use



The axle unit on the tandem and tridem tankers is mechanically adjustable (hydraulic optional) to ensure sufficient tongue load for even the heaviest implements for delivering liquid manure.



Steered



Straight travel

### BPW axle

A BPW axle is standard on all Profi tankers, the steering axle on tandem and tridem tankers is fitted with wave-form thrust bearings. They keep the wheel straight ahead when driving straight and turning, with the lateral forces on the tyres pressing the thrust washers over one another. After the turn the straight setting is automatically restored by the weight of the vehicle.

## The modular design simplifies retrofitting of additional equipment

- Suction valve with quick connector
- Four-point hydraulics
- Hydraulic compressor switching
- Hydraulic turbo filler
- Hydraulic discharge
- Hydraulic internal agitator
- On-board hydraulics
- Flow meter with or without ISOBUS
- Flow volume control
- Tyre-pressure monitor
- Reversing camera
- Additional gyroscope for electronic forced steering
- Digital tank counter
- Control panel for Fliegl Trailer Control / Fliegl Slurry Tanker
- Fliegl Light Box: 6 lights
- Display ISOBUS
- Fliegl Slurry Tanker control unit

Volume [L]	Compressor	Brake
10,600 single-axle	10,000 L	2 circuit air pressure with ALB
12,000 single-axle	10,000 L	2 circuit air pressure with ALB
14,000 single-axle	10,000 L	2 circuit air pressure with ALB
14,000 tandem	10,000 L	2 circuit air pressure with ALB
16,000 tandem	10,000 L	2 circuit air pressure with ALB
18,000 tandem	10,000 L	2 circuit air pressure with ALB
20,000 tandem	10,000 L	2 circuit air pressure with ALB
20,000 tridem	10,000 L	2 circuit air pressure with ALB
25,000 tridem	10,000 L	2 circuit air pressure with ALB
28,000 tridem	10,000 L	2 circuit air pressure with ALB





Hydraulic double auger spreader

**Distributor**

A distributor head is standard equipment on all Profi tankers. A hydraulic auger distributor, a hydraulic double auger distributor or a spray bar distributor with a spreading width up to 24 m can be optionally installed. The standard attachment console for three or four-point hydraulics allows, for example, attachment of a manure grubber or a drag-hose distributor and equips you for future legislation affecting manure-spreading technology.



Hydraulic dome

**Filling dome**

A 600 mm diameter hydraulic filling dome is also standard equipment. If you already have a slurry pump installed at your slurry tank, you can continue to use it as before.



\*Figure may vary from the original

**Compressor**

The powerful and heat-resistant 10,000 L compressor delivers 1,000 rpm and has a sound baffle with oil separator as standard equipment. A 12,000 L compressor or a water-cooled 14,000 L compressor suitable for continuous operation is optionally available. The compressor has a pressure of 0.5 bar and meets the legal requirements, which means that the tanker does not require regular inspection. The compressor is automatically lubricated by drip lubrication. A turbo filler is optionally available for suction of slurry from over 3 m depth.



**Drawbar suspension**

Standard on all Profi tankers to ensure special driving comfort.



**Suspension**

All tandem and tridem tankers have the Gigant Plus parabolic suspension as standard. This guarantees excellent traction and stability in the field. Tandem tankers can also be optionally fitted with a bogie axle unit, which guarantees the lowest possible centre of gravity for even the largest tank capacity. Air suspension and hydraulic suspension are also optionally available from 14,000 L.

Suspension	Axles	Baffles
	410 x 180 BPW	1
	410 x 180 BPW	2
	410 x 180 BPW	2
Gigant unit Plus parabolic suspension	410 x 120 BPW; axle can be mechanically offset	2
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle can be mechanically offset	2
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle can be mechanically offset	3
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle can be mechanically offset	3
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle can be mechanically offset	3
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle can be mechanically offset	3
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle can be mechanically offset	3

\*Weitere Bremsen optional auf Anfrage!

# »ALPHA Line« PUMP TANKER VOLUME: 10,600 TO 28,000 L

Particularly comfortable to drive and operate and  
state-of-the-art technology for intensive professional use



Hydraulic double auger spreader

## Distributor

The Fliegl Alpha Line tankers offer the right unit for any application, whether modern, ground level or traditional distribution. A distributor head is standard equipment on all Profi tankers. A hydraulic auger distributor, a hydraulic double auger distributor or a spray bar distributor with a spreading width up to 24 m can be optionally installed. The standard attachment console for three or four-point hydraulics allows, for example, attachment of a manure grubber or a drag-hose distributor and equips you for future legislation affecting manure-spreading technology.



The axle unit on the tandem and tridem tankers is mechanically adjustable (hydraulic optional) to ensure sufficient tongue load for even the heaviest implements for delivering liquid manure.

## The modular design simplifies retrofitting of additional equipment

- Suction valve with quick connector
- Four-point hydraulics
- Control block suitable for load sensing
- Turbo suction arm – Elefant
- 8" suction hose with pressure sequence valve and docking station
- Suction extension top, hydraulically swivelled with rotary part
- Flow meter with or without ISOBUS
- Fliegl Flow Control incl. flow meter and hydr. pump drive
- Tyre-pressure monitor
- Reversing camera
- Fliegl Slurry Tanker control unit
- Fliegl Light Box: 6 lights
- Display ISOBUS



Steered



Straight travel

Volume [L]	Pump with stone trap	Brake
10,600 single-axle	4,000 L	2 circuit air pressure with ALB
12,000 single-axle	4,000 L	2 circuit air pressure with ALB
14,000 tandem	4,000 L	2 circuit air pressure with ALB
16,000 tandem	4,000 L	2 circuit air pressure with ALB
18,000 tandem	4,000 L	2 circuit air pressure with ALB
20,000 tandem	4,000 L	2 circuit air pressure with ALB
20,000 tridem	4,000 L	2 circuit air pressure with ALB
25,000 tridem	4,000 L	2 circuit air pressure with ALB
28,000 tridem	4,000 L	2 circuit air pressure with ALB





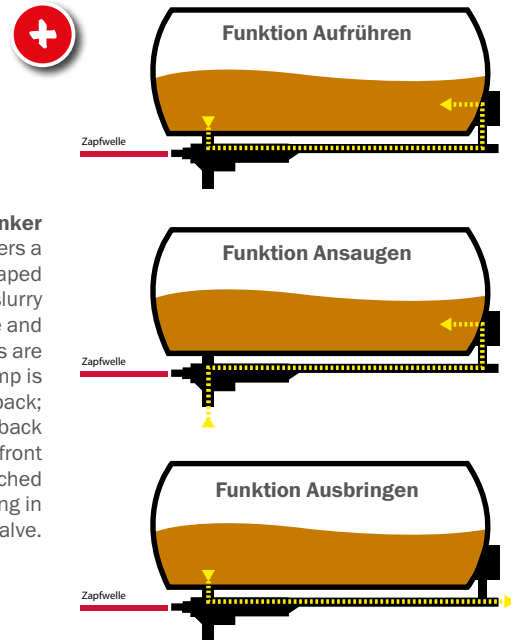
Hydraulic dome

### Filling dome

A 600 mm diameter hydraulic filling dome is also standard equipment. If you already have a slurry pump installed at your slurry tank, you can continue to use it as before.

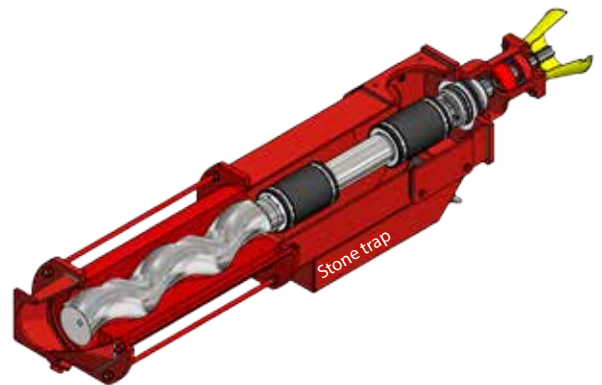


### Principle of an eccentric screw pump



### Eccentric screw pump on pump tanker

The eccentric screw pump delivers a pulsation-free flow. The screw-shaped rotor pumps even very viscous slurry without difficulty and at high volume and high pressure. Even deep slurry tanks are no problem for the pump. The pump is connected to the tanker at front and back; it pumps slurry into the tank at the back and can also deliver slurry from the front of the tank. The tanker can be switched from filling or drainage and also mixing in the tank with a 3-way valve.



### BPW axle

A BPW axle is standard on all Profi tankers, the steering axle on tandem and tridem tankers is fitted with wave-form thrust bearings. They keep the wheel straight ahead when driving straight and turning, with the lateral forces on the tyres pressing the thrust washers over one another. After the turn the straight setting is automatically restored by the weight of the vehicle.

Suspension	Axles	Baffles
-	410 x 180 BPW	1
-	410 x 180 BPW	2
Gigant unit Plus parabolic suspension	410 x 120 BPW; axle unit can be mechanically offset	2
Gigant unit Plus parabolic suspension	410 x 180 BPW; axles unit can be mech. offset 410 x 180 BPW; axle can be offset 150 mm	2
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle unit can be mechanically offset	3
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle unit can be mechanically offset	3
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle unit can be mechanically offset	3
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle unit can be mechanically offset	3
Gigant unit Plus parabolic suspension	410 x 180 BPW; axle unit can be mechanically offset	3

\*Weitere Bremsen optional auf Anfrage!

# THE FLIEGL GROUP – STRONG CONNECTION

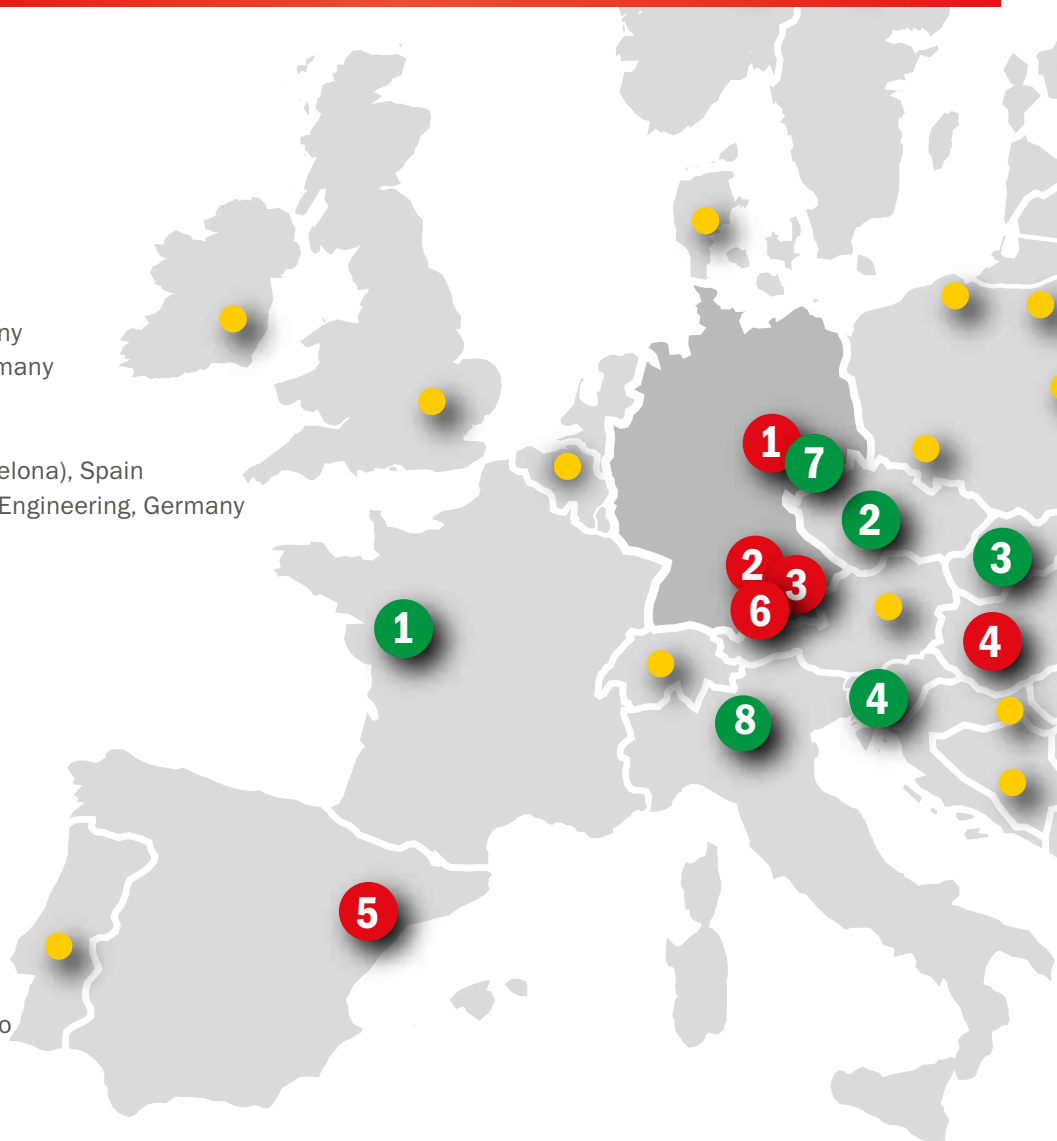
## Manufacturing Locations

- 1 Fliegl Fahrzeugbau, Triptis, Germany
- 2 Fliegl Agrartechnik, Mühldorf, Germany
- 3 Fliegl Agro-Center, Kastl, Germany
- 4 Fliegl Kft. Abda, Hungary:
- 5 Fliegl Ibérica S.L., Vilafranca (Barcelona), Spain
- 6 Fliegl Construction and Municipal Engineering, Germany
- 7 Fliegl Brasil
- 8 Fliegl Sibirien, Barnaul
- 9 Fliegl Argentinia

## Distribution Centers

- 1 Fliegl Frankreich, Nantes
- 2 Fliegl Tschechien, Radomysl
- 3 Fliegl Slowakei, Komarno
- 4 Fliegl Slowenien, Celje
- 5 Fliegl Rumänien, Arad
- 6 Fliegl Russland, Orjol
- 7 Fliegl Agro-Center-Ost, Triptis
- 8 Fliegl Italien, Montebello/Vicentino

● Additional locations



- 2 Fliegl Agrartechnik GmbH**  
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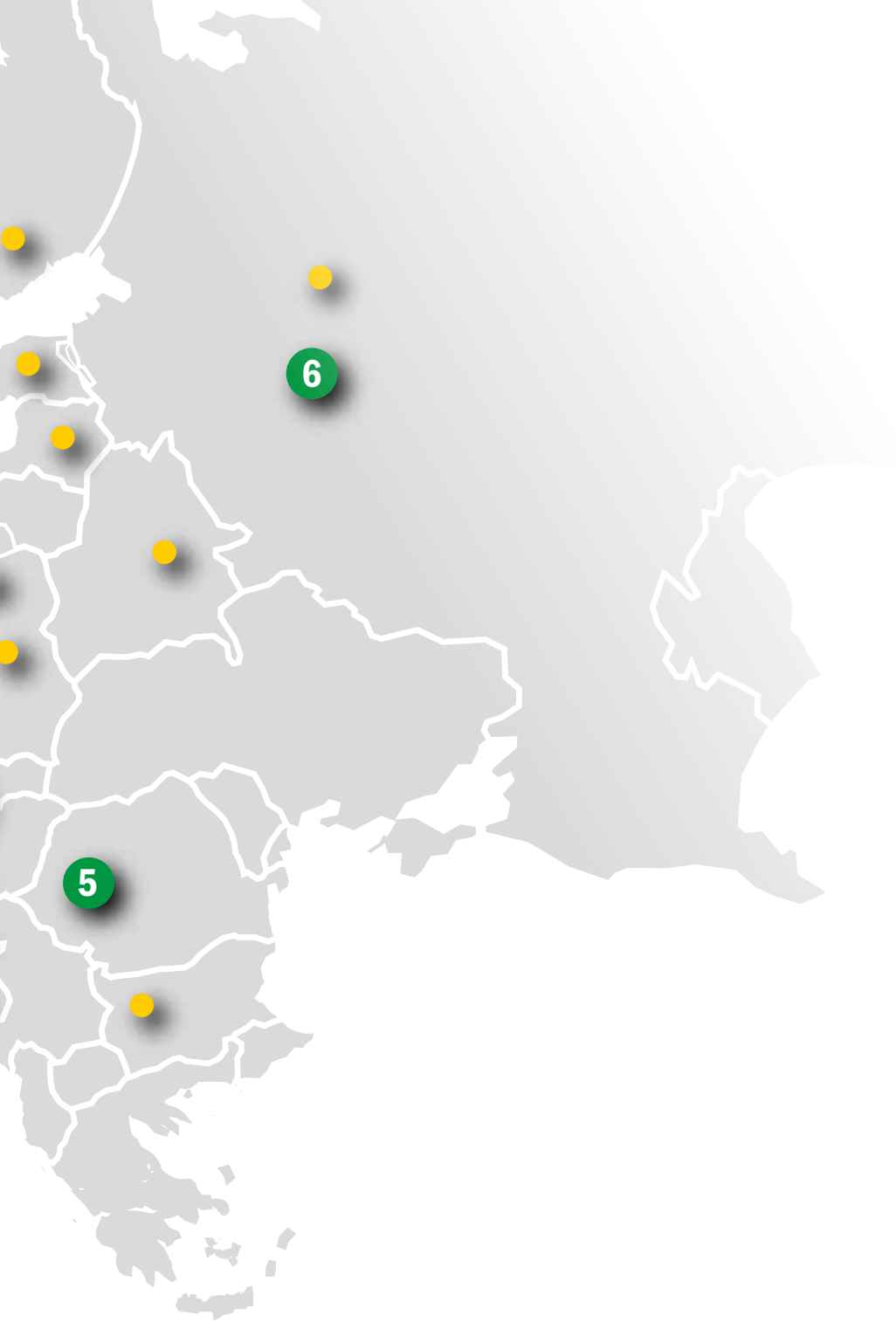


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