

**T-Rex, T-Rex Shuttle, Duplex**



# **Transport Wagons and Silage Spreaders**



Vicon T-Rex 400-450-500-550

## High Capacity Silage Wagons



Large capacity and fast unloading are decisive factors when setting up a cost-efficient harvesting system. The T-Rex transport wagons are designed to match these requirements and are recognised by massive capacity, large loading volume, and high discharge speed.

As these factors to a large extent determine the efficiency of the harvesting process, the Vicon silage wagons T-Rex 400-450-500-550 are the ideal machines for a high number of transport tasks.

With capacities of 40-45-50-55 m<sup>3</sup> respectively and loading capacities of 24 and 34 tons, they contribute to an optimum harvesting process.



T-Rex 450 transporting maize.



T-Rex 452 with grain kit for transport of canola, wheat and grain.



T-Rex 450 transporting wood chips.

Vicon T-Rex 400-450-500-550

## Loaded with High Capacity



### Chain-and-Slat Conveyor

The large dimensioned hydraulic chain-and-slat conveyor is split into two segments and features four heavy duty chains designed to bear even the heaviest of loads. As a safety function the scraper floor cannot be operated as long as the rear door is closed. The T-Rex features heavy duty side walls made of galvanised powder painted steel plates.

### SuperStructure Chamber

The T-Rex features heavy duty side walls made of galvanised powder painted steel plates.



## The Advantages

- High capacity transport wagons, ideal for transport of maize, grass silage and wood chops.
- Loading volume of 40, 45, 50 and 55 m<sup>3</sup>.
- Grain kit for granola, wheat and grain available as option.
- Fast and efficient unloading thanks to the wide width of the tailgate and the chain and slat conveyor.
- Strong body design with metal sheets and solid side support.
- T-Rex 400, 450 and 500 are fitted with blade sprung tandem axles.
- T-Rex 550 is fitted with hydraulic sprung tridem axles.



The front wall can be folded down hydraulically to allow the ...



...T-Rex wagon to be used while driving behind the self-propelled chopper.



The large tailgate in combination with the chain-and-slat conveyor provides fast and efficient unloading. The sensor controlled tailgate is operated hydraulically and locked mechanically.



The T-Rex can be fitted with two large diameter discharge rollers, which are driven by maintenance-friendly driveshaft, to unload the material in a uniform and even mat.



The interior lighting kit provides generous light into the chamber when working at night.



Easy access to the chamber is provided by the optional access door and ladder.

## Grain Kit



With the optional grain kit the floor is tightened with by strong brushes. The lower part of the front wall is covered with an industrial plastic film.



An additional plate with brushes at the rear end ensure no material is lost when the tailgate is closed.



The slat-and-chain conveyor will be completely covered by the tailgate when closed, ensuring that no material is lot on the road.

Vicon T-Rex 400-450-500-550

## Excellent Driving Skills



T-Rex 550 has a hydraulic sprung tridem boogie design, which can be equipped with an axle lift.



The T-Rex 550 is fitted with power steering for accurate and safe manoeuvrability in the field.



Hydraulic brake system is standard with the option of airbrake system.

### Strong Package of Standard Equipment:

- Strong machine design split into 3 segments: hopper, Y-shaped undercarriage frame and boogie axles.

- ADR axles (150x150mm) with large brake drums (420x180mm).
- Steered wheels are standard (power steering available as option).
- 750/45R 26.5 Alliance I-380 wheels

- Hydraulically foldable front wall.
- Suspended drawbar.
- The scraper floor cannot be operated as long as the rear door is closed.
- Discharge rollers available as option.



Vicor T-Rex 450 with a capacity of 45 m<sup>3</sup> and 24 tons.

### Spring Loaded Boogie Axles

The strong and very stable tandem axle offers smooth operation and is designed for safe and fast transport of the crop to the silage clamp or when working off-road in the field. The T-Rex is fitted with parabolic spring loaded boogie axles. The asymmetric mounted springs and wide distance of the suspension ensures that both axles are levelled or balanced at any time. This provides even weight distribution with load evenly distributed on all 4 wheels. This makes the T-Rex easier to pull, and reduces soil compaction and tyre wear when operating in the field.

The standard level of specification comprises a hydraulic brake system and XXL 700/50R 26.5 tyres, but will accept tyres up to 800mm wide, which significantly reduces ground pressure.

The T-Rex is standard fitted with steered wheels, improving manoeuvrability when space is limited. It also reduces ground damages when turning in the field and tyre wear.



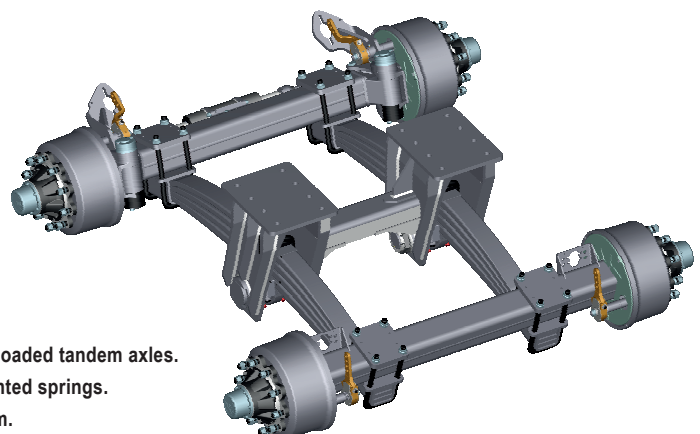
Large XXL 800/45 R 26.5 tyres are available as option.



Steered wheels for improved manoeuvrability.



T-Rex can optional be fitted with a hand pump for the hydraulic jack.



- Parabolic spring loaded tandem axles.
- Asymmetric mounted springs.
- 24t boogie tandem.
- Standard wheel specification of 700/50R 26.5.
- Steered wheels.

## Vicon T-Rex Shuttle

# The Transfer Wagon for Efficient Harvesting Systems



### Easy to Manoeuvre

The T-Rex Shuttle is a single-axle wagon, facilitating easy reversing and maximizing manoeuvrability. As the transfer wagon is fitted with high, wide tires of 800/60R 32, the tensile force required is relatively low – resulting in less compaction and damage to soil surfaces. This makes the transfer wagon highly suitable for harvesting activities during difficult and wet conditions.



The single axles design facilitates easy reversing and maximum manoeuvrability. Giant 1050/50 R 32 tyres are available as option.



The front wall can be folded down hydraulically to allow the T-Rex Shuttle to be used while driving behind the ...

### The Advantages

- The T-Rex Shuttle increases efficiency of the logistics, and is the link between the forager and trucks for long distance transport.
- Loading capacity of 30.5 m<sup>3</sup>, meaning a standard truck is filled with two shuttle loads.
- Fast and efficient unloading thanks to the chain and slat conveyor.
- Scissor construction can hoist the container to a height of 4.70 m.
- When unloading, the side and rear walls are pushed upwards, avoiding spill-over during transfer of the crop.



## Transfers Your Harvesting System into more Uptime

### Non-Stop Harvesting Chain

The T-Rex Shuttle transfer wagon has been developed in order to optimize the logistic efficiency of harvesting and transporting crops. It will act as the efficient link between the forager and trucks waiting at the edge of the field. The T-Rex Shuttle is designed to suit the most efficient harvesting chain, and two T-Rex Shuttles will help you keeping the harvesting system busy and efficient. While the first T-Rex Shuttle is following the forager the second one in unloading at the truck, always keeping both ends of the harvesting chain busy.

### Designed Into a System Approach

The T-Rex Shuttle has a loading capacity of 30.5 m<sup>3</sup> DIN, which allows a standard 60 m<sup>3</sup> DIN truck to be filled with 2 T-Rex Shuttle loads.

Crops can be transferred quickly to trucks at the edge of the field, enabling considerably larger amounts of silage to be transported in less time. Employing trucks increases the efficiency of transporting grass and maize silage in addition to saving on costs.

In addition, dirt on roads is reduced and traffic congestion caused by crop transports is kept to a minimum.



...self-propelled chopper, for instance when clearing the headlands.



While the first T-Rex Shuttle wagon is following the forager ...



... the second T-Rex Shuttle wagon is unloading at edge of the field onto the truck.

## Vicon T-Rex Shuttle

# Unloading in Less than 2 Minutes!



### Fast and Efficient Unloading

The 3-step hydraulically driven chain and slat conveyor guarantees a short transfer time of less than 2 minutes. This creates substantial savings, both in time and costs. No time is lost. An optional camera can be fitted at rear of the T-Rex Shuttle.



The T-Rex Shuttle is designed to specifically match the size of a 60m<sup>3</sup> standard truck, meaning the truck is full after two T-Rex Shuttle loads.



Side and rear end walls are pushed upwards during unloading ...



... avoiding spill-over during transfer of the crop.

#### Unloading at 4.70m Height

When transferring crop, a scissor construction hydraulically hoists the container to a height of approximately 4.70 m. The optional telescoping axle adds extra stability during loading and unloading.



The scissor construction hydraulically hoist the container at the correct angle for unloading.

# Vicon Duplex 400-600

## Silage Spreaders



The Vicon Duplex 400 and 600 are fast-acting silage spreaders. With an enormous capacity, they easily and efficiently process the large amounts of grass, supplied by modern chaff and pick-up vehicles.

The two rotating drums ensure good and rapid distribution of grass silage, providing sufficient time for compaction of the clamp. The stable construction and the application of high-grade materials of the Duplex 400, as well as the Duplex 600 silage spreader, guarantee a long service life and low maintenance costs.

### **Vicon Duplex 400**

The Duplex 400 silage spreader is an easy-to-use machine. Using a pinhole connection the working width can be adjusted to 4.25 m. The rubber side boards are extremely durable and are operated manually. For transport the side boards are secured, rendering unexpected fold out during transport impossible.

### **Vicon Duplex 600**

The Duplex 600 clamp distributor offers more comfort and a larger working width, compared to the Duplex 400 silage spreader. The angled drums, in combination with a higher number of revolutions, increase the capacity. The side boards of the Duplex 600 are operated hydraulically from the cab, while working width is adjusted hydraulically and continuously up to 6 m.

### The Advantages

- Duplex 400 with 3.15-4.25 m working width and mechanical adjustment of working width.
- Duplex 600 with up to 6 m working width and hydraulic adjustment of the working width.
- Duplex 400 and 600 help distribute the grass in an even and thin layer at the clamp for the best compression.
- Duplex 400 and 600 are both suitable for front and rear linkage.
- Duplex 600 can be supplied with a silage fork for better levelling across the clamp.



During operation the hydraulically foldable steel side boards keep the crop inside the clamp. They can be hydraulically locked, so the silage spreader can be safely transported without risking unexpected unfolding.

The Duplex 600 comes standard fitted with lighting kit. It can also be fitted with a silo fork, to divide large quantities of crop better across the clamp, or bring it onto the clamp, if unloading takes place in front of it.



Duplex 600 can be fitted with a silo fork.



Duplex 600 offers hydraulic adjustment of the swath board for working widths up to 6 m.

# Technical Specifications



Model	T-Rex 400 / 402	T-Rex 450 / 452
<b>Body Design</b>		
Loading Capacity (m³)	40	45
Capacity to DIN 11741 (450 mm Superstructure) (m³)	39.3	41.44
Length (m)	7.40	7.80
Width (m)	2.30	2.30
Height (m)	2.31	2.31
Transfer height (m)	-	-
Hydraulic Front Wall	•	•
<b>Weights</b>		
Weight (kg)	7920 / 8100	8120 / 8310
Load Capacity (Kg)	24000	24000
<b>Wheels and Axles</b>		
Tyres	700/50-26.5	700/50-26.5
Hydraulic Brakes	•	•
Single Axle	-	-
Single Axle, Telescopic (additional track width of 1 m)	-	-
Sprung Tandem Boggie	• (adjustable)	• (adjustable)
Sprung Tridem (Hydro-Pneumatic)	-	-
Actively Steered Wheels	•	•
Bottom Drawbar	•	•
<b>Other</b>		
Discharge Rollers	o	o
3 speed chain-and-slat conveyor drive	-	-
Chain and Slat Conveyor with 4 Chains	•	•
• = standard o = optional - = not available		



Model	Duplex 400	Duplex 600
Working Width (m)	3.15-4.25	3.30-6.00
Transport Width (m)	2.99	2.99
Length (m)	1.80	2.00
Weight (kg)	650	1280
Linkage	3 pt., Cat II or delta connector	3 pt., Cat II
PTO Speed (RPM)	540	1000
Silo Fork	-	o
Mechanical Adjustment of Working Width	•	-
Hydraulic Adjustment of Working Width	-	•
Lighting Kit	-	•
Front and rear Mounting	•	•
• = standard o = optional - = not available		

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T-Rex 500	T-Rex 550	T-Rex Shuttle		
50	55	30.5		
44.63	49.41	-		
8.40	9.30	8.80 (Total)		
2.30	2.30	3.00 (Total)		
2.31	2.31	4.00 (Total)		
-	-	4.70		
•	•	•		
8420 / 8620	10100	8800		
24000	34000	13000		
700/50-26.5	700/50-26.5	800/60R32		
•	•	-		
-	-	•		
-	-	0		
• (adjustable)	-	-		
-	•	-		
•	•	-		
•	•	•		
0	-	-		
-	-	•		
•	•	•		



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