

BULK FEED SILO SEMI TRAILER

Respect for Life



 **curious for better.**

 **OKT Trailer**

A man wearing safety glasses and a headset is leaning over a detailed model of a white semi-truck with a tanker trailer. The background shows a city skyline under a cloudy sky.

curious for better.

What curiosity means to us, A better future.

The unique reason that the human “bring into being” is curiosity. Curiosity is the first “set a foot on the moon”. Because curiosity; to realize a better and more beautiful future, ask questions, try to understand, produce innovative solutions, explore and never give up. It always takes us a step further.

Our job is always to move your business “one step forward”. That’s why we’re curious. We recognize the needs of the trailer and superstructure equipment sector “before needs appearance” and produce innovative, user friendly and efficiency based products. We dominate the technologies that can go beyond your expectations. Due to our curiosity, we have changed the habits of the sector with every new project we made. We have broken grounds; but we have never been curious about being ahead only with the numbers.

The quality documents we have obtained being a catalyser that enable us to produce new technologies, make progress and be more curious. We curious not just about our sector, we curious about the whole world. For the nonce we are in 3 continents. We are constantly building strong values and collaborations for all of our stakeholders by producing special solutions for the needs of new geographies day by day.

Curiosity means to us not only innovation, engineering and technology. It means to us more beautiful and profitable day for the future.



■ BULK FEED SILO SEMI TRAILER

Respect for Life

While developing innovative and creative solutions tailored to the specific needs of agricultural and livestock sector for the transportation of bulk grain such as corn, barley, wheat, feed and storage conditions with our own know-how licenses and created technologies, CE approved Bulk Feed Silo Semi Trailer that can be made of aluminium alloy material with the thicknesses conforms to design calculations, in elliptical cross section and large volume range, provides quick and easy discharge with its geometric structure and special double auger system; proves being intelligent investment with the full and quick discharge capability of materials carried in different contents while being produced with continuous high performance robotic welding technology. Unique design that raises the standards and changes the ’ **‘Perspective’’** of the sector by transporting bulk grains purely and healthfully while crossing the limits of its reputation with its durable and lifelong body structure.



44 ~ 62 m³
Volume Range



1 ~ 4
Number of
Compartments



Double
Discharge Auger



60 - 70 Ton/h.
Discharge Speed



2
Output



Respect for Life

Maintain respect for nature and life by changing the way of thinking in the agriculture and livestock sectors, preserving the value of the product it carries and raising the standards.





Modular Options

Options of special designed alternative volume, discharge systems and equipment; sort out your job.

OUTSTANDING FEATURES



Automatic opening handrail

Provides ease of use, safety and automatically locks the brake system



Multi-Compartment body design

Allows different types of material to move without mixing



Easy opening and closing compartment lids

Easy to open - close compartment lids with side rollers and hydraulic cylinders



Electric panel

Provides the necessary energy on the system and gives warning light in case of possible failure



Control arm and indicators

Indicators that guide and control the helical system with practical in use control arm and indicate the operating compartment



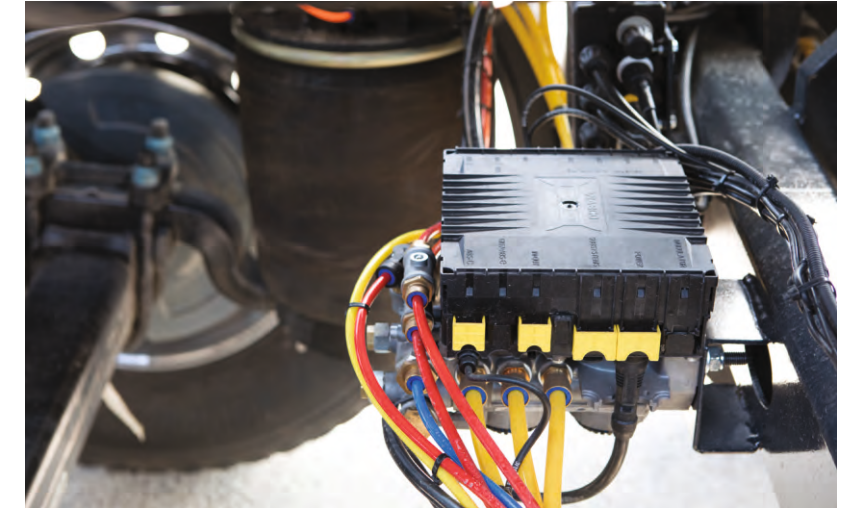
Seamless high performance robotic welding technology

Minimizes welding faults on the body due to tension and human factors and secures against impact



Germany KBA approved 2007/46/EC Vehicle Type Approval

National and International current legislation compliance



Coloured, POLYAMID air hoses

Prevents complexity on installation cables, provides serviceability



Homogeneous paint application with advanced technical equipment

Provides surface gloss in varnish quality



Special body design at right angles

Prevents remaining of the material inside and provides fast discharging







Safe Lightness

We do not underestimate the weight!
Carry out the dynamic loads at high volume under the heavy duty conditions with safe weight optimization and without compromising of the ergonomic driving.

TECHNICAL SPECIFICATIONS

1. Dimensions

Width	: max 2.550 mm
Height	: max. 3.950 mm
Axle Distance	: 1.300 ~ 1.400 mm *
5 th Wheel Height	: 1.250 ~ 1.350 mm *
Dead Weight	: 6.700 ~ 7.350 kg. *

2. Capacity

Geometrical Volume	: 44 – 62 m ³ *
Discharge Funnel	: 1 ~ 4 *

3. Bulk Feed Silo

Category	: 4
Transported Materials	: Corn, barley, wheat, grains and powdered foods such as feed

Operating Temperature : -20°C +50°C

Certification : CE Machine Safety Regulation

* The product type and optional equipment can
vary depending on your choice.

4. Chassis Equipment:

King-Pin	: Conforms to ECE R 55 regulation, type approved 2 “or 3.5” demountable king pin
Landing Legs	: Each is double speed, 25 ton dynamic, 50 ton static load capacity trailer landing legs
Axles	: Axle set with 9 ~12 tonnes each, mechanical or air suspension, drum or disc brake
Rims	: 14,00 – 11,75 – 9,00 x 22,5
Tires	: 425 - 385/65 R 22,5 (Single) or 315/80 R 22,5 (Double)
Brake System	: EBS / ABS braking system suitable for ECE R 13 regulation
Electric System	: Conforms to ECE R 105 regulation ADR approved electric system
Bumper	: Conforms to ECE R 58 regulation rear bumper

TECHNICAL SPECIFICATIONS

5. Body:

- » Elliptical section design, high strength, special alloyed aluminium material.
- » Unique body structure with safety, smooth surface, produced in the bulk carrier production sector by circular welded joints in the special body structure, solid welds of the inner side of the body lower centre frame and their welding joints welded by certified welders.
- » ISO 3834 Welded manufacturing quality qualification approved.
- » Using seamless high-performance robotic welding technology, welding faults due to tension and human factors on the body are minimized and secured against impact.
- » W-type body design that prevents remaining of the material inside, provides fast discharge possibility, with special double auger system.

6. Loading/Discharge Line:

Loading Line

- » It is shaped like a monolithic body with a hinge connection to the manhole cover throat, with the help of a spring system, horizontal filling through manhole lids from the top.

Discharge Line

- » The product comes from each compartment, with the help of hydraulic cylinders, from the W-type discharge lids which can be controlled by the mechanism behind the body in the open-closed position, from the horizontal augers operating independently of each other with the help of the transmission.
- » The product that is directed to the vertical auger with the help of the horizontal auger can be discharged from the top by providing transfer to the upper discharge pipe or from the bottom by disabling the top discharge.
- » There are 2 separate discharge systems according to the bulk carrier location: top and bottom.
- » The filling operation is automatically interrupted when the silo is filled with the help of a switch located at the end of the discharge pipes used for top discharge.

Hydraulic Pump Unit and Connection Platform

- » The electric motor and hydraulic pump unit, which provides energy to the hydromotors that activate the movement of the augers, the movement of the discharge lids, the right-left and up-down movement of the discharge pipe.

Control Panels and Hydraulic Control Unit

- » The control panel that is intended to control the augers, hydromotors and the lighting system.
- » The hydraulic control unit that opens and closes the lids in each compartment and directs upper discharge arm to right-left and up-down according to the driving direction of the vehicle.

7. Chassis:

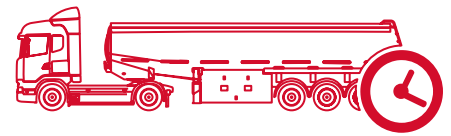
- » Suitable for body design, “I” shaped, produced with robotic welding technology, provides rollover safety, special design full chassis.
- » The mounting brackets on the chassis side arm that reduce tension by distributing the force coming to the running group from the road conditions.
- » Chassis construction parts are manufactured with synergy welding machines by certified welders under the approval of ISO 3834 Welded manufacturing quality qualification with perfect conformity.

8. Paint:

- » At least 2 coats of epoxy primer.
- » “OVEN-DRYING” application on topcoat with 2 coats of acrylic paint.
- » Improved technical equipment ensures homogeneous distribution on each side of the body and surface gloss of varnish paint gloss.



GALLERY



Performance Needs Source

Durable body structure together with superior production technology and premium equipment turns the long lifetime into profit.

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A better future.**



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OKT TRAILER reserves the right to make changes in the products. Technical information is approximate and is intended for standard product application. The measurements may vary depending on the truck brand and model. The subject information is not quoted. If you contact us, you can get more detailed information about the product.



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