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.

What curiosity means to us,
A better future.
High Angle

Tipping Silo Semi Trailer that is designed according to the European Pressure Vessels Regulation and customer demands with our own know-how license and production technology, fully conforming to ADR regulations, CE conformity approval for dangerous powders and granules transportation, can be made of aluminium alloy material with wide volume range, geometric structure for quick and easy discharge, single rear discharge alternatives; proves being intelligent investment with “High Angle”, full and quick discharge capability of materials carried in different contents while being produced with continuous high performance robotic welding technology. Its reputation goes over the boundaries with its unique design, safe and long life structure that raises the standards.
Put its users over the top with its advantages, long life and powerful structure designed especially according to the customers’ expectations and needs for the transportation of food and industrial powder granules.
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.

Special body design at right angles
Prevents the material from staying inside and provides fast discharging, efficient use of air.

Safety valve and manometers
Provides safe pressure control.

Grouped, defined and systematic discharge line installation
Provides ergonomic, easily accessible, controlled and fast response.
Outputs on the discharge funnel
Pneumatically controlled, ergonomic, interceptible

The longest welding seam technology in weld joints
Safe, smooth surface and fatigue body structure

Homogeneous paint application with advanced technical equipment
Provides surface gloss in varnish quality

Body production in accordance with 97/23/EC Pressure Vessels Directive
CE certificated, safe, national international current legislation compliance

Seamless high performance robotic welding technology
Minimizes welding faults on the body due to tension and human factors
and secures against impact

Seamless one-piece plates in the body structure
The least number of T-joints provide high strength and longlife

Portable compressor mounting platform
Vibration absorber, Light and Strong

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
Show of Strength
Its style of unique body design, original stand and visual aesthetic against comparers makes it more attractive.

<table>
<thead>
<tr>
<th>TECHNICAL SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Dimensions</strong></td>
</tr>
<tr>
<td>Width</td>
</tr>
<tr>
<td>Height</td>
</tr>
<tr>
<td>Axle Distance</td>
</tr>
<tr>
<td>5th Wheel Height</td>
</tr>
<tr>
<td>Dead Weight</td>
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<tr>
<td><strong>2. Capacity</strong></td>
</tr>
<tr>
<td>Geometrical Volume</td>
</tr>
<tr>
<td>Capacity</td>
</tr>
<tr>
<td>Lading Legs</td>
</tr>
<tr>
<td>Working Temperature</td>
</tr>
<tr>
<td>Working Pressure</td>
</tr>
<tr>
<td>Test Pressure</td>
</tr>
</tbody>
</table>

**3. Bulk Carrier**

<table>
<thead>
<tr>
<th><strong>Category</strong></th>
<th><strong>Construction Material Serial</strong></th>
<th><strong>Transferred Material</strong></th>
<th><strong>Working Temperature</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Aluminum Alloy</td>
<td>Flour, Boron, Soda, soot black and similar</td>
<td>-40ºC +80ºC</td>
</tr>
</tbody>
</table>

**4. Chassis Equipment:**

<table>
<thead>
<tr>
<th><strong>Chassis Equipment</strong></th>
<th><strong>Certification</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>King-Pin</td>
<td>ISPEL CE (2014/68/EU) Pressure Vessels</td>
</tr>
<tr>
<td>Landing Legs</td>
<td>ISPESL CE (2014/68/EU) Pressure Vessels</td>
</tr>
<tr>
<td>Axles</td>
<td>Conforms to ECE R 55 regulation, type approved</td>
</tr>
<tr>
<td>Rims</td>
<td>ECE R 58 regulation</td>
</tr>
<tr>
<td>Tires</td>
<td>ECE R 13 regulation</td>
</tr>
<tr>
<td>Brake System</td>
<td>ADR electrical set suitable for ECE R 105 regulation</td>
</tr>
<tr>
<td>Electric System</td>
<td>Suitable for ECE R 58 regulation</td>
</tr>
</tbody>
</table>

* The product type and optional equipment can vary depending on your choice.
5. Bulk Carrier Body:
- Gooseneck/cylindrical section single-output design in accordance with AD 2000 design standard.
- Unique body structure with safety, smooth surface, with a minimum number of joints (T) points produced by the longest welding seam technology in the welded joints, in the Tipping Bulk Carrier production sector, with circular joints in the special trunk construction.
- 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.

6. Loading/Discharge Line:

**Loading Line**
- Top loading through manhole covers.

**Discharge Line**
- Rear tipping by hydraulic system.
- Fast, reducing vibration, without risk of blockage, direct, extends from the rear discharge funnel with DN 100 discharge piping according to the driving direction rear discharge line and discharge cover.

**Air Line Installation**
- Ergonomic, easily accessible, controlled and fast intervention, grouped, defined and systematic.
- Controlled in-tank air inlet valve that allows passage of pressurized air from the compressor into the body.
- Emergency air discharge valve that discharges pressurized air in the event of possible danger during discharge.
- The collector exit valve that discharges the air in the collector pipe.
- The controlled, air-vibration valve that accelerates the flow of material in the body to the discharge funnels.
- The material accelerating air-mist nozzle that accelerates the material flow in the material delivery line.
- The collector exit valve that discharges the material in the collector pipe.
- The compressed air inlet valve that allows passage of pressurized air from the compressor into the body.

**Compressor and Connection Platform**
- Optionally preferred compressor.
- The compressor operation of vibration damping occurs during special wedge is integral with the tray plate, compressor safe connection platform.

7. Chassis:
- Suitable for body design, specially drawn “T” profile welded, special design with overturning safety, monoblock chassis with the same features as the body material.
- 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:
- 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.
**Performance Needs Source**

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