

NEUERO

Industrietechnik

Pneumatic Ship Unloaders for Alumina & Petrol Coke

NEUERO INDUSTRIE-TECHNIK FÜR FÖRDERANLAGEN GMBH is a German based company offering "Single" & "Turn Key" solutions for bulk material handling projects worldwide:
NEUERO follows the MADE IN GERMANY tradition in supplying reliable and high quality equipment for essential projects in industrial plants, grain terminals, power plants & aluminium smelters worldwide.

- Continuous Ship Unloaders (Rail or Mobil Type) up to 1.200 t/h
- Ship Loaders up to 3.000 t/h
- Combiports (combined Loading & Unloading)
- Flexiports for Non-Free-Flowing Products (i.e. wood pellets)
- Mobile Pneumatic Conveyors



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Bulk material handling for Smelters & Terminals

Pneumatic unloading of Alumina or Pet coke for aluminium smelters or bulk handling terminals at high capacities and environmental friendly is the expertise of Neuro Industrietechnik.

With decades of experience in the aluminium unloading business especially through the knowledge of its engineers,

Neuro offers its clients turnkey solutions which includes also a strong after sales service with maintenance, training, spare parts service and even upgrade & modernization in the future.

We regard ourselves as a partner, keeping an eye on our client's needs and equipment through the life span of the equipment.

Health, Safety and Environmental responsibility is essential to Neuro and the use of the ISO 9001 and OHSAS 18001 standards are the foundation of our daily work.

Building on this experience and expertise Neuro is a global leader when it comes to pneumatic bulk handling solutions.

Pneumatic Ship Unloaders

Production capacities of modern aluminium smelters increases very rapidly and the demand of high unloading capacities for alumina goes in parallel asking for more than 1.000 t/h already. With these requirements not only the investment for such equipment rises but also the size of the equipment and of course the power demand in kW per ton becomes important.

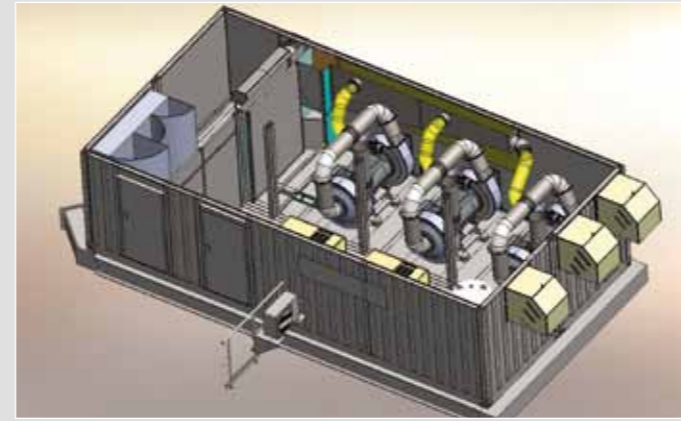
Neuro is able to supply Double-

or Single-Boom Unloaders basically depending on the requested unloading capacity. Both types are able to unload either alumina or pet coke without any restrictions or conversions inside the pneumatic system.

Whereas Greenfield projects asking for tower unloaders with high capacities due to a new unloading jetty, existing bulk terminals or present smelters asking to install smaller units due to

much lower load for the existing pier.

Neuro has developed single boom unloaders based on its proven Multiport design with unloading capacities up to 500 t/h for alumina working already for clients in China and India. They can either transfer the raw material to an existing jetty conveyor or even to bagging units for inland transportation to existing smelters.



With modern inverter technology for the Neuro Turbo Blower technology, energy consumption per unloaded ton improves significantly.

Even capacity adjustment with less than 50% of the nominal capacity is possible. Neuro's automatic sinking device of the suction nozzle respectively vertical telescopic pipe ensures a constant material flow with a high unloading average.

The Multiport AL unloader is equipped with NEURO designed components like:

- Turbo Blowers
- Belt Air Locks
- Chain Conveyors
- Conveying Pipes
- Winches

Engineering & 3D Design

- Auto CAD & Solid Works
- 3D Cad / CAE with simulations
- Visualizations
- R&D

NEURO Turbo Blower

- Double Stage
- 100% Direct Drive
- High Efficiency
- Low Power consumption
- Temperature control
- Vibration control

NEURO Belt Air Lock

- Special Design for Alumina & Pet Coke
- Wear resistant body and rotor
- Maintenance friendly
- Easy exchange of wear parts
- High Efficiency
- No blockage due to foreign parts

