Stockyard TECHNIK

We know how

claudiuspeters.com
About

Since its founding in 1906, Claudius Peters has become one of the world’s most respected engineering houses and an innovative world leader. Its German engineering excellence continues to set benchmarks for the design, manufacture and commissioning of materials handling and processing systems for the gypsum, cement, coal, alumina and bulk-handling industries.

From conception and installation through to commissioning and after-sales support, Claudius Peters provides world-class service to the world’s biggest material processing organisations.

The Claudius Peters Group GmbH is headquartered in Buxtehude near Hamburg, Germany, with regional offices in the Americas, Asia and Europe.

Claudius Peters Technologies SAS
In addition to its role as Claudius Peters’ product representative in french speaking territories, Claudius Peters Technologies SAS leads the global material handling activities of the group with its own PHB Someral product range.

Bringing over 40 years experience in designing material handling equipment, PHB Someral became part of Claudius Peters Group in 1993.

Providing tailor-made solutions:
- State-of-the-art PHB Someral bulk handling systems provide reliable, cost effective solutions for the storage of most dry bulk materials
- PHB Someral design the best equipment configurations to maximize storage capacity within available space
- Claudius Peters Technologies offers the optimum combination of French engineering and German expertise

Claudius Peters Technologies SAS, Illzach, France, technology centre, Stockyards.

Integrated systems

From single stackers to complete system solutions, including design and installation, PHB SOMERAL storage systems can form an integral part of a larger material handling installation comprising conveying networks, bagging and palletising stations, wagon and truck loading points and shiploaders.

As a result the PHB SOMERAL system becomes the key element in a completely automated material-handling package, operating through a local network, with a central, ergonomic design.
Claudius Peters always proposes the most economic and optimized solutions for clients’ projects, balancing product characteristics (grain size, moisture content, blending or homogenization) with the best combination of machinery, civil works (w/o discharge wall, pit, building, etc) and available plant space.

**Typical Capabilities:**
- **Piles:** up to 50m width & 500m length
- **Belt conveyors:** 150 tph to 3500 tph up to 10km long
- **Stackers:** 50 tph to 3500 tph (boom up to 40m)
- **Reclaimers:** 50 tph to 2500 tph (rail distances up to 55m), depending on machine type

**Drivers’ cabins**
All Claudius Peters machines are supplied with fully equipped drivers’ cabins including PLC, HMI, air conditioning, cables, cable reels, junction boxes, and lighting. Fiber optics, ATEX and pressurized cabins are available on demand.

**Pile types**

**Stacking modes**

**Stacking types**

**Reclaiming modes**

**Lateral**
- Travel above the piles
- Also suitable for sticky products

**Frontal**
- Suitable for product blending
Linear
- Pile extension possible
- Allows storage of different products

Circular
- Low footprint
- High homogenization

Cone Shell: Succession of cones
Chevron: Each layer discharged on top of preceding layer
Chevcon: Circular chevron
Windrow: Linear parallel superimposed layers

Tripper car: Limit the building width
Stacker: Indoor/outdoor, travelling, luffing & slewing

Inclined chain:
Horizontal chain:

Side reclaimer
Semi-portal reclaimer
Portal reclaimer (1 arm)
Portal reclaimer (2 arms)
Circular stockyard

Bridge reclaimer
Reclaimer excavator
Circular stockyard
PHB SOMERAL product range:
- Portal, semi-portal and side reclaimers
- Bridge reclaimers
- Travelling and slewing stackers
- Circular and longitudinal stockyards
- Belt conveyors
- Design, engineering, manufacturing, installation and start-up
- Spare parts and after sales service

Application sectors:
- Cement plants
- Power plants (coal-biomass)
- Fertilizer industry
- Petrochemicals
- Paper industry
- Port terminals
- Train or truck loading and unloading
- Mines

Leading edge technology for optimum efficiency

![Portal reclaimer, fertilizer, 2200 tph, Morocco.](image1)

![Conveyors, phosphates, 1200 tph, Morocco.](image2)

![Longitudinal blending bed bridge reclaimer, limestone, 300 tph, Qatar.](image3)
Materials handled:
- Limestone, shale, iron ore, clay, alumina, bauxite, marl, sand, bentonite
- Coal, pet coke, lignite, FGD gypsum
- Phosphates, urea, TSP, DSP, MOP, phosphogypsum, sulphur
- Wood pellets, bagasse, wood chips, bio solid fuel
- And many others

Services:
- Supply of single stackers / reclaimers to turnkey projects
- Plant revamping
- Provision of complete handling plant solutions
- Supply of indoor and outdoor products
- Supply of steel structures or detailed drawings only

Stockyard solutions for every conceivable need

Portal reclaimer, coal, 1200 tph, Vietnam.
Bucket reclaimer, shale, 120 tph, USA.
Circular stockyard for woodchips, 800 tph and 350 tph, Finland.
Stacker, mix of clay and limestone, 1200 tph, Algeria.
Reclaimer, coal, 150 tph, Croatia.
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