



PORT EQUIPMENT - SHIP LOADERS / UNLOADERS

From initial project design to complete turnkey installations
with mechanical and/or pneumatic most reliable and profitable solutions



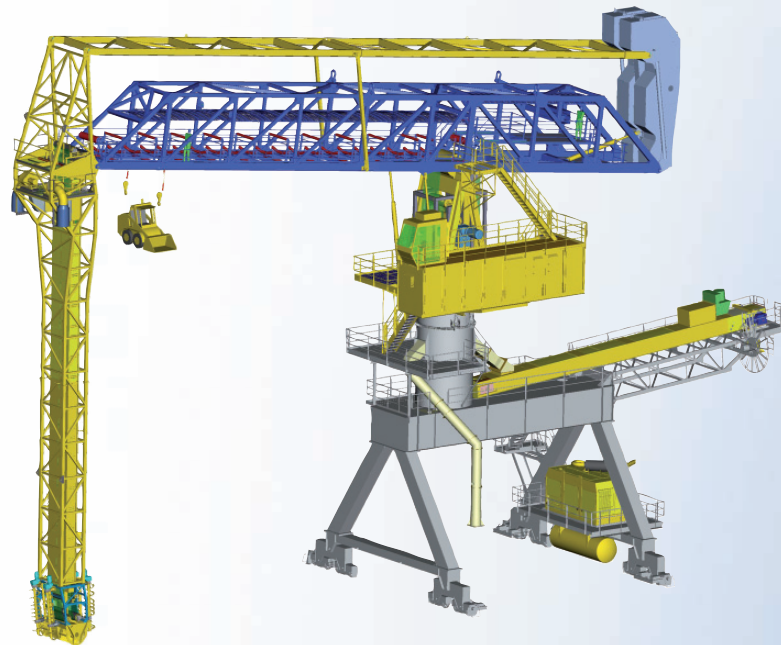
SIMPORTER MECHANICAL UNLOADERS

Up to 1500 tons/hour



1,000 tons/hour

Port Qasim - Pakistan



1,200 tons/hour

Vung tau - Vietnam

SIMPORTER 600 - 1,500 MTPH

Bulk handling of any kind of cereals, seeds, nuts, animal feed stuffs (AFS) and delicate cargoes such as malt, barley, rice, feed pellets and cocoa (other materials, please contact us).

For non-free flowing materials:

VIGAN vertical screws to create flow and a more efficient feeding of the SIMPORTER.

Capacity to cover large bulk carriers with vessels up to post Panamax.

Capacities:

up to 1,500 metric tons per hour.

Clean and efficient unloading operations:

- totally environmentally friendly conveying;
- no dust pollution (material totally enclosed between the belts);
- no noise by the conveying elements;
- only 0.20 to 0.45 kWh/ton for 600 to 1200 MTPH (wheat).

Discharge:

to quayside conveyors, trucks and rails wagons.

Most relevant features:

- high reliability of twin-belt system;
- no product damage as the products are gently confined between the belts;
- easily adjustable wide range of conveying speed;
- lowest power consumption among Continuous Ship Unloading systems.

Vessel Coverage with access to all parts of the hold:

- luffing up to 55°;
- 36° up and – 28° down working angles;
- kick-in and out of 30 to 35°;
- slewing up to 270°.

**FOR MORE INFORMATION CONTACT
WWW.VIGAN.COM**

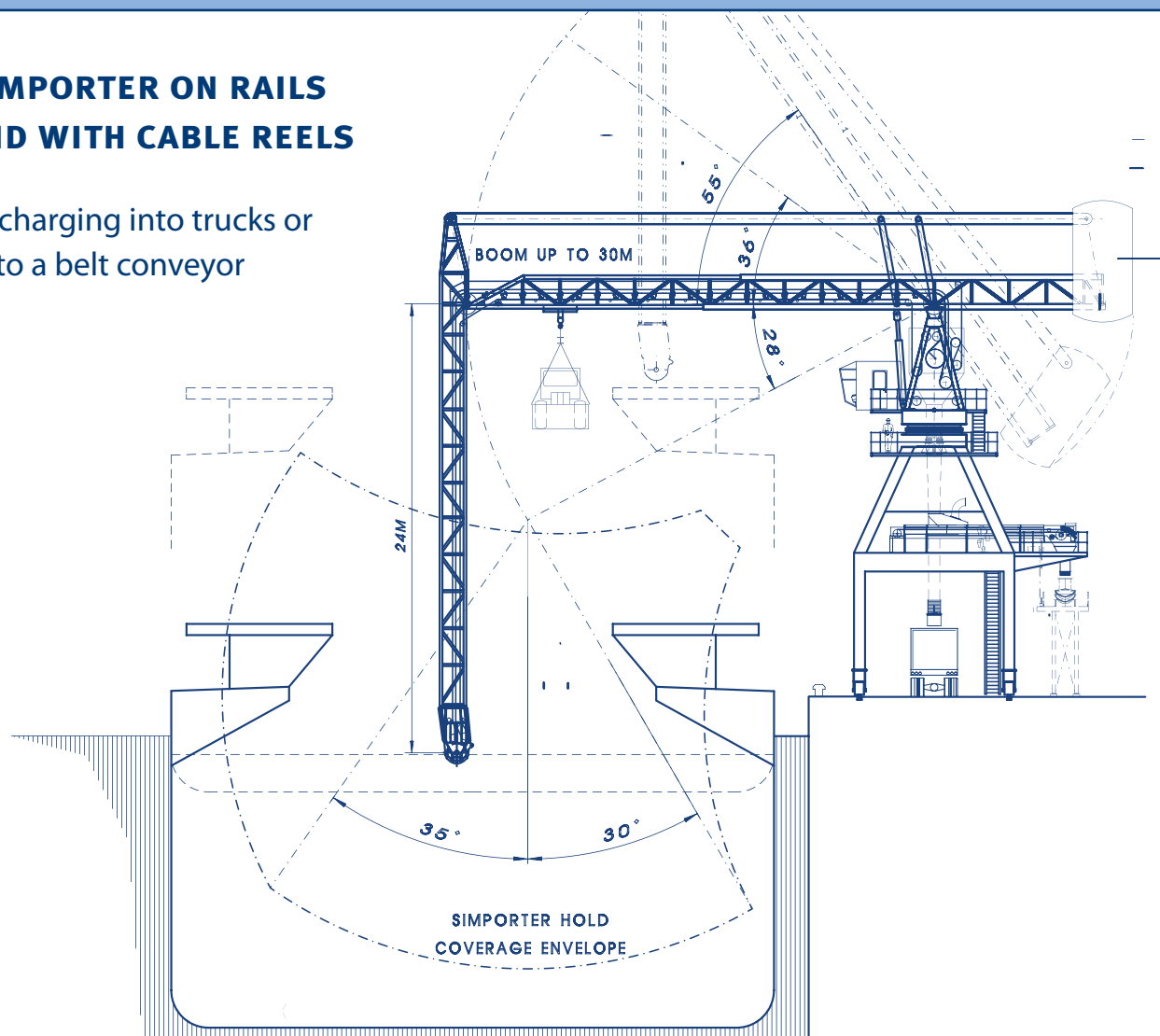
A team of highly qualified specialists
will immediately initiate for you
a comprehensive study of your project.



750 tons/hour each
Ulsan - South Korea

SIMPORTER ON RAILS AND WITH CABLE REELS

discharging into trucks or
onto a belt conveyor

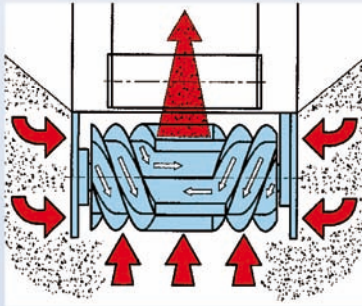


DESCRIPTIVE MANUAL AVAILABLE UPON REQUEST

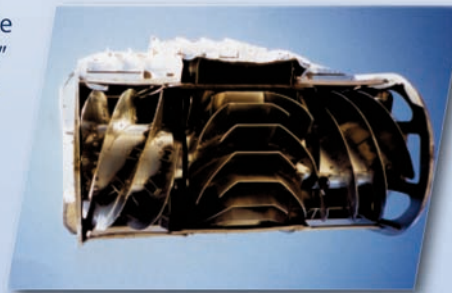
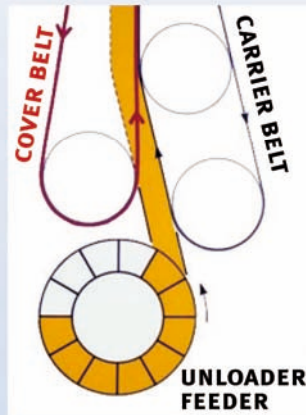
THE SIMPORTER TWIN-BELT SYSTEM

A pair of conveying belts hold the material gently but firmly thanks to its travel through the elevator leg and along the boom.

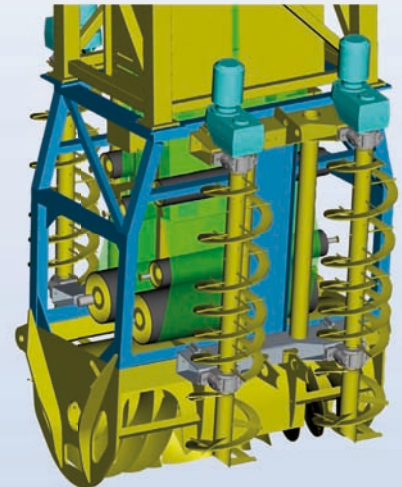
Material is picked up by the feeder before entering the elevator leg section.



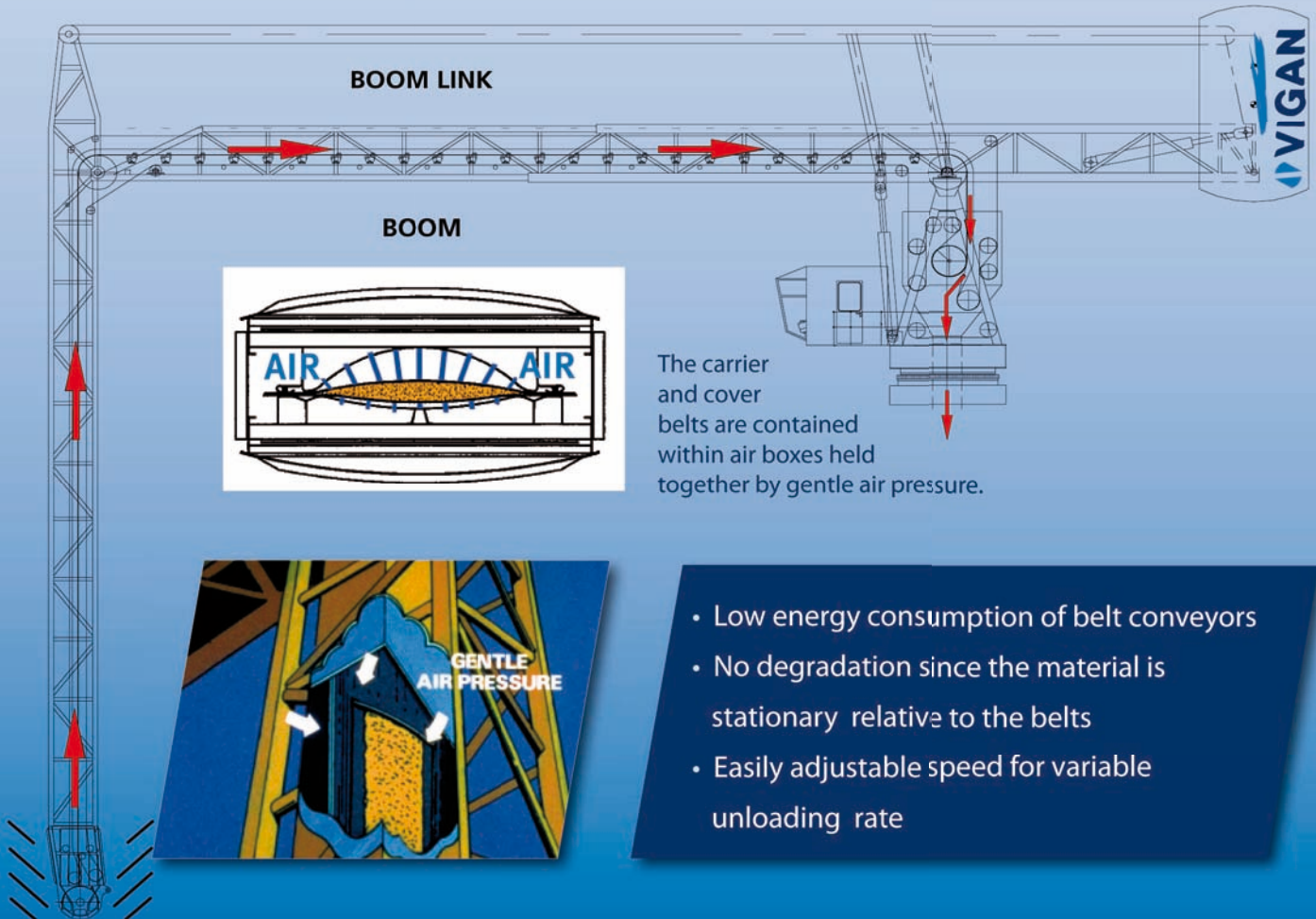
The horizontal screw/paddle feeder can be "fixed speed" type to suit particular products or variable speed to unload a variety of products. The feeder outer screw sections can run at different speeds to the main paddles.



NON-FREE FLOWING MATERIALS



Lateral vertical screws are used for less free flowing materials such as soya bean meal, ... The rotating screw are breaking the compacted materials and improving the feeder performances.

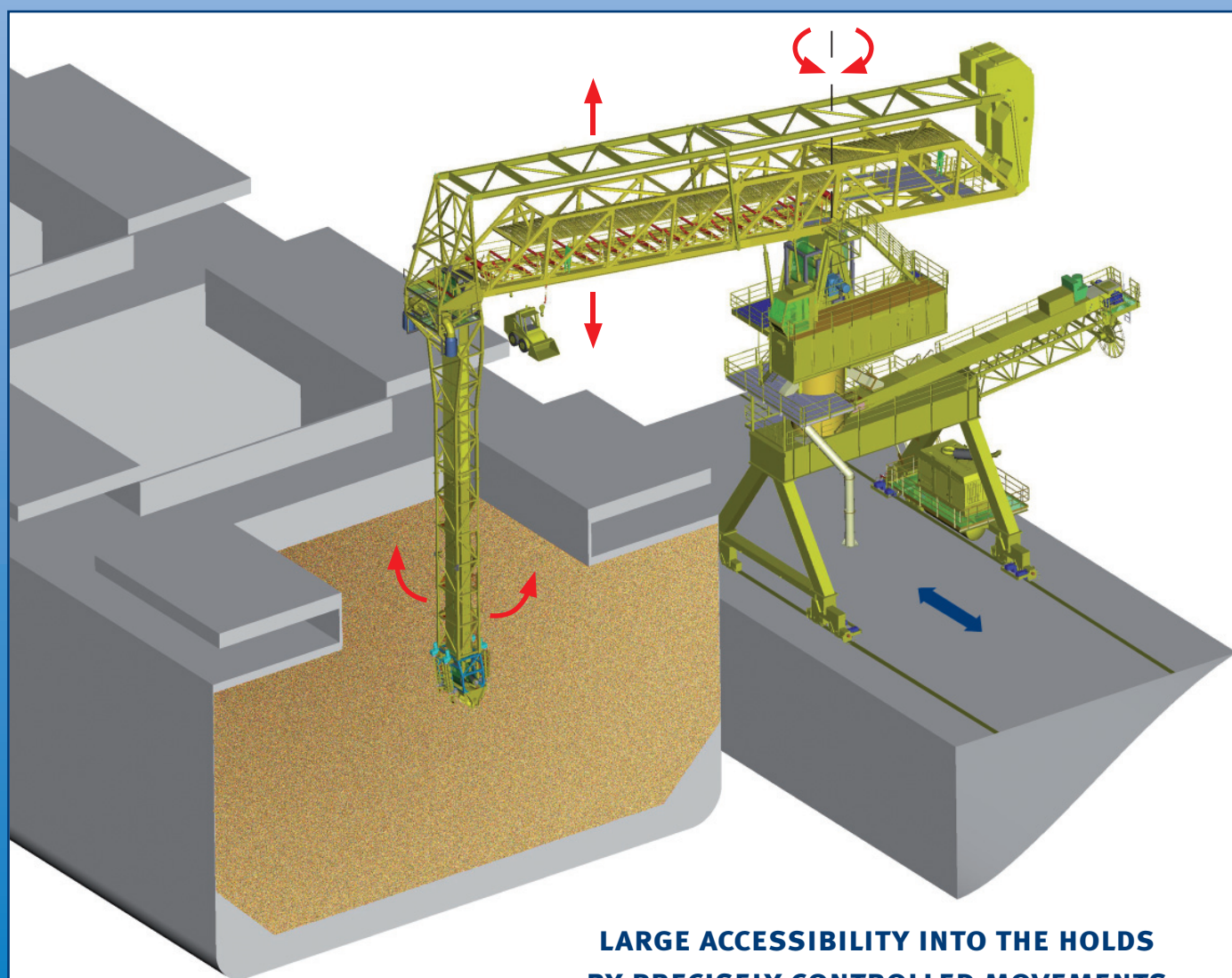


The carrier and cover belts are contained within air boxes held together by gentle air pressure.

- Low energy consumption of belt conveyors
- No degradation since the material is stationary relative to the belts
- Easily adjustable speed for variable unloading rate



Port Qasim - Pakistan



**LARGE ACCESSIBILITY INTO THE HOLDS
BY PRECISELY CONTROLLED MOVEMENTS
OF HORIZONTAL BOOM AND VERTICAL LEG**



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MANUFACTURES BULK MATERIALS HANDLING SOLUTIONS MAINLY:

- ◆ Mobile pneumatic conveyors or vacuators or grain pumps
- ◆ Pneumatic continuous barge unloaders and mechanical barge loaders
- ◆ Mechanical and pneumatic continuous ship unloaders for vessels up to post-Panamax
- ◆ Mechanical loaders for any size of ships

Vigan capabilities include also complete turnkey projects for port terminal including ship unloading & loading, storage facilities and bagging operations.

