



PORT EQUIPMENT - SHIP LOADERS / UNLOADERS

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



NIV

CONTINUOUS SHIP UNLOADERS

*Pneumatic on gantry
from 200 up to 800 tons/hour*

270°



7M

TYPE 160 - 200 - 300 UP TO 800



600 tons/hour

Santa Marta - Colombia



600 tons/hour - Wood pellets

Nijmegen - The Netherlands



400 tons/hour - Stationary

Krefeld - Germany



1,500 tons/hour - 4 machines

El Dekheila - Egypt

Bulk handling of most free flowing materials such as all kind of cereals, seeds, nuts, animal feed stuffs, delicate cargoes (malt rice, cocoa beans), certain chemicals (dense soda ash, urea or alumina), wood pellets,.... but also slightly compacted products such as soy bean meal (SBM).

Many different models can be designed according to the customer's requirements: gantry type (stationary, self-propelled on rubber wheels or on rails), unloading capacity, boom length, diesel / electrical power unit and many special optional devices.

Unloading of any size of ships from barges to the largest bulk carriers or tankers (up to post Panamax size).

Discharging into a wide range of bulk transport equipment: trucks, wagons, wharf conveyors, elevators, etc.

Capacities:

up to 800 metric tons per hour per suction pipe.

Simple and heavy-duty construction:

- High wear resistant alloys for airlock, elbow, pipes, flexibles, ...
- Fully hot-dipped galvanized boom with rotation of more than 270°.

Special features:

- Self-cleaning filter: by air compressor up to 400 m² with jet pulse system;
- Remote control of all movements of the boom and the telescopic pipes;
- Complete range of safety devices.

Low energy consumption:

to 0.7^(*) kW per ton unloaded thanks to:

- An optimized design of the piping system;
- The direct drive of VIGAN high pressure multi-stage centrifugal turbo blower(s);
- The speed variator(s).

** figures reported by customers, depending on cargo, ship size and working conditions.*

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

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

HUNDREDS OF WORLDWIDE REFERENCES



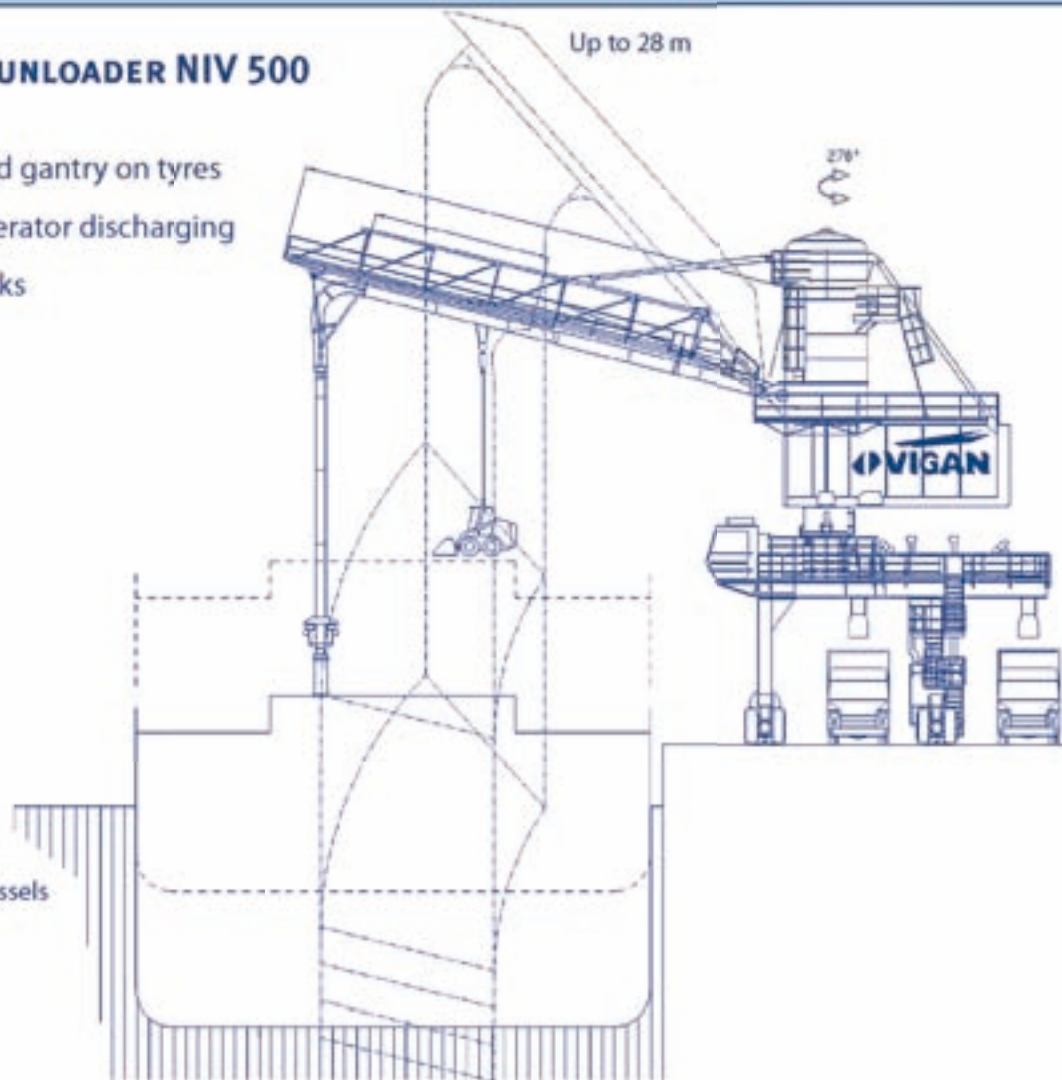
Amirabad - Iran

VIGAN SHIP UNLOADER NIV 500

on self-propelled gantry on tyres
with Diesel generator discharging
cereals into trucks

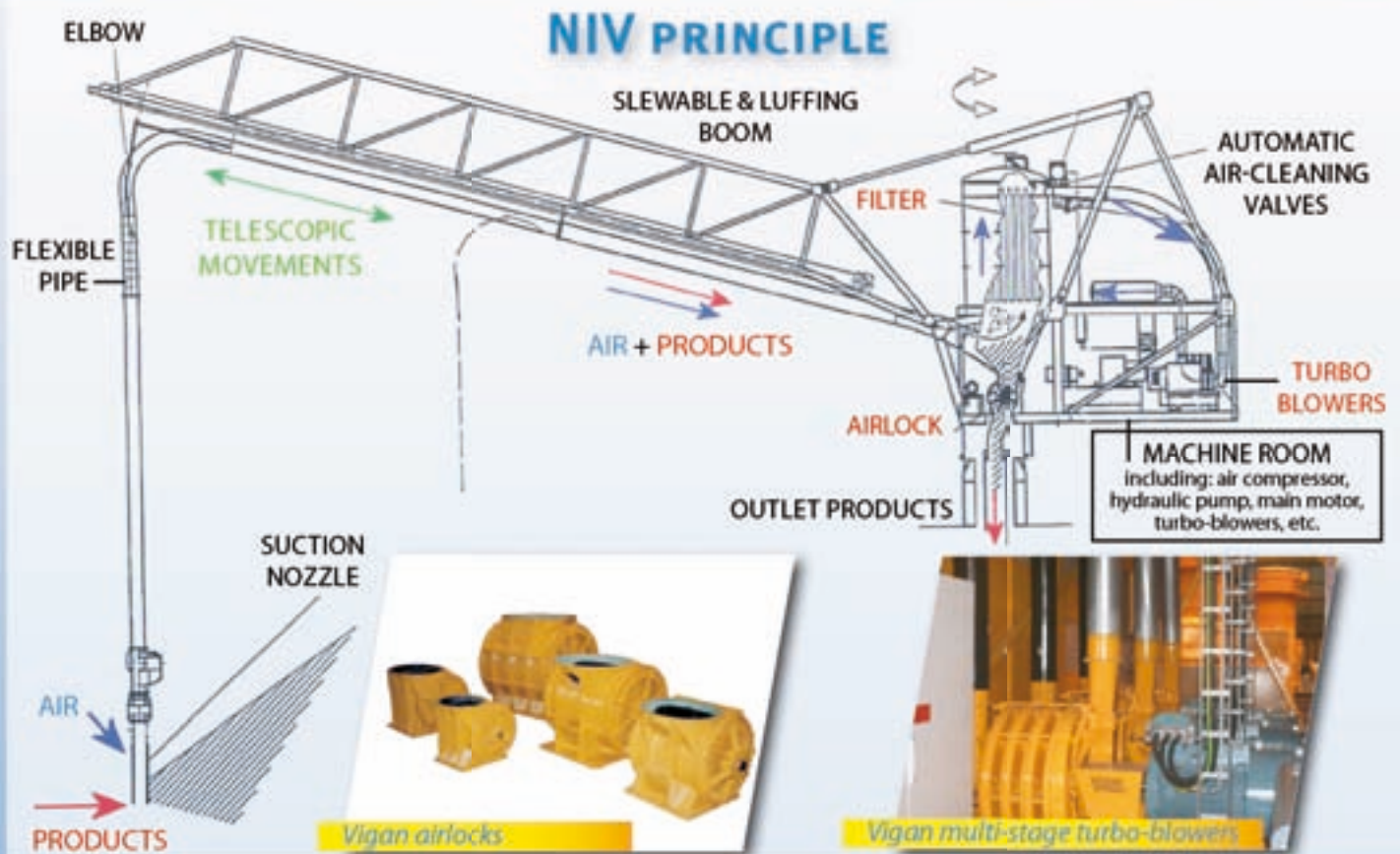
Up to 28 m

Up to post Panamax vessels



RELIABILITY AND COMPETITIVE PRICES

VIGAN NIV PNEUMATIC SHIP UNLOADER CHARACTERISTICS



EXAMPLES OF OPTIONAL DEVICES AVAILABLE TO CUSTOMIZE YOUR EQUIPMENT...



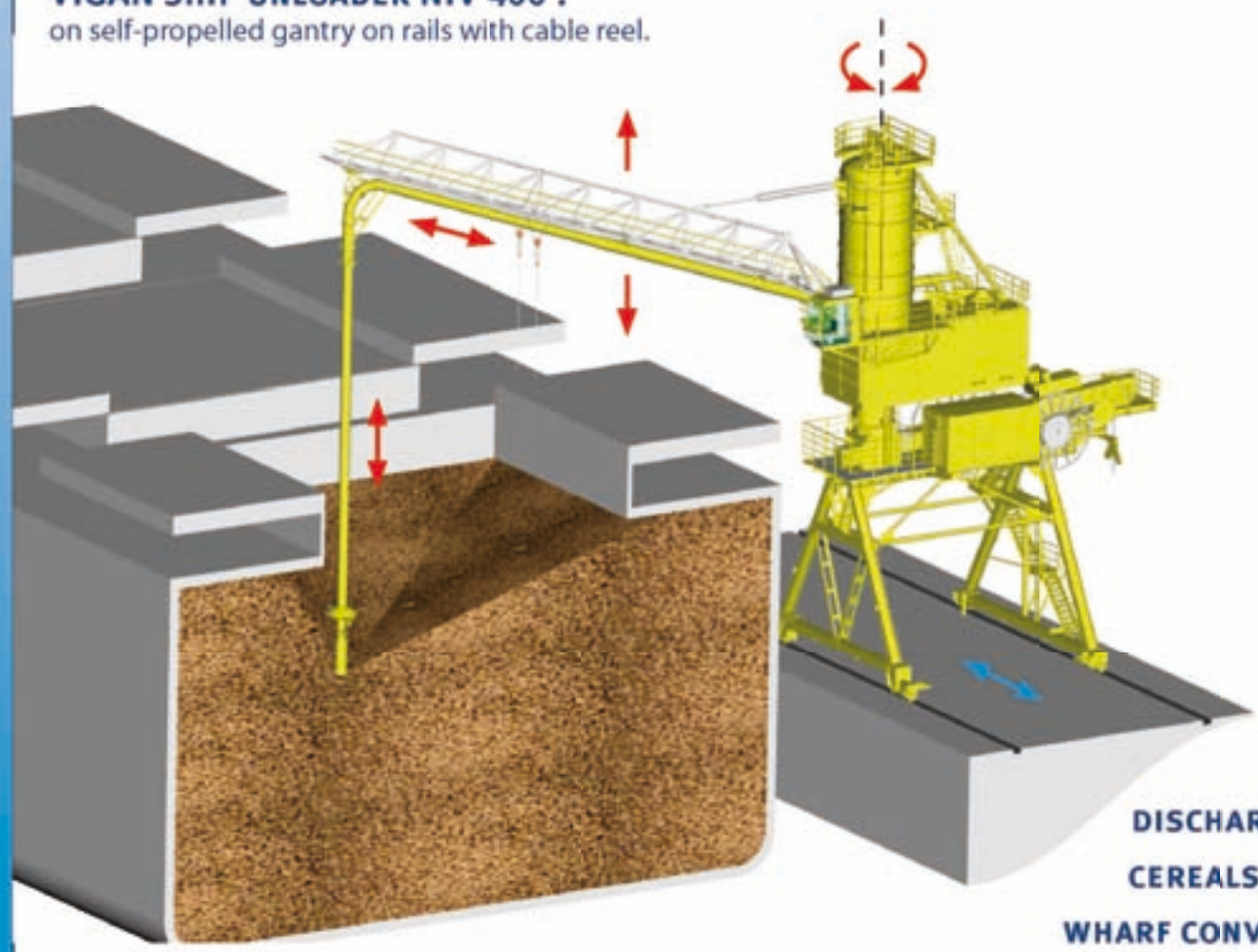
Please contact us for any special requirement
Complete illustrated catalogue upon request
Visit also our website www.vigan.com



400 tons/hour

Pyeongtaek - South Korea

VIGAN SHIP UNLOADER NIV 400 :
on self-propelled gantry on rails with cable reel.



**DISCHARGING
CEREALS INTO
WHARF CONVEYOR**

MORE THAN 180 HIGH CAPACITY EQUIPMENT



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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.

