

PORT EQUIPMENT - SHIP LOADERS/UNLOADERS

## From project design to complete bulk handling solutions and port terminals with mechanical and/or pneumatic reliable and cost effective equipment.



The main products handled by VIGAN machines are all types of cereals and oilseeds, raw materials for animal feeding and products such as alumina, soda ash, chemicals and/or fertilizers.

Free flowing characteristics are important but VIGAN has also developed technologies to handle products, which may be slightly compacted, such as soybean meal.

VIGAN expertise also includes the handling of delicate products such as malt for breweries and cocoa beans for chocolate, as well as wood pellets unloading.

This special handling technology preserves all the physical and chemical characteristics of the products during their transport.



**VIGAN Engineering S.A** is a Belgian company with its headquarters in Nivelles industrial area about 30 kms south from Brussels at the heart of the European Union.



The port of Antwerp is about one hour drive from Nivelles, providing easy sea freight connections in order to ship equipment to worldwide customers.



All the company's activities take place on the same 10,000 m<sup>2</sup> site, which enables easy exchange of information among all departments including sales, engineering, manufacturing, quality control and after-sales technical assistance.



VIGAN engineering department, with 450 m<sup>2</sup> space, boasts the latest software (CAO – CAM types).

The administrative areas include sales, purchasing and finance. The high-level sales team has many years of experience and an excellent knowledge of various foreign languages such as English, Dutch, German, Spanish and Portuguese.

VIGAN international network of sales agents and representatives enables the engineering and the adaptation of its equipment to the local customer's exact requirements.

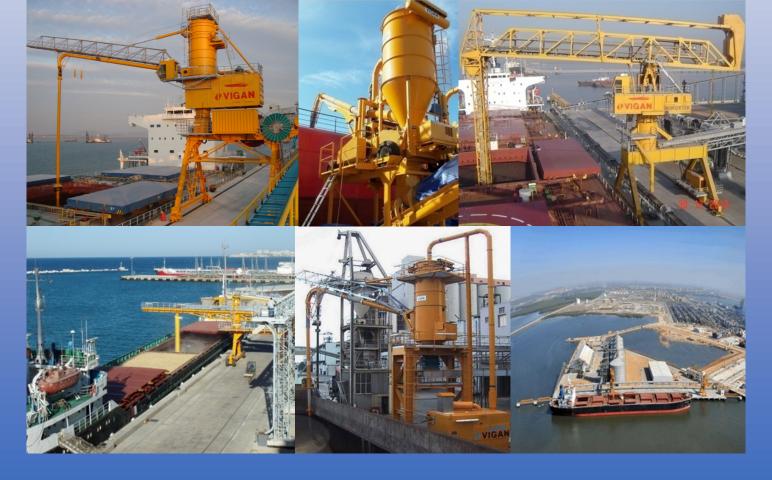


## The factory has the following manufacturing facilities:

- Several fully equipped halls, each with lifting bridges with spans of up to 20 metres and lifting capacities of up to 36 tons;
- One manufacturing hall for the VIGAN turbo blowers, airlocks and air filters;
- One machining department with CNC machines tools;
- One steelwork department with computerized laser cutting machine of steel plates up to 20 mm;
- Framework and casting departments;
- One totally enclosed sand blasting hall (12 metres x 5 metres) and one painting hall (20 metres x 20 metres);
- One main assembling hall of 25 metres x 100 metres and 20 metres high, equipped with several 5-20 tons bridges with 20 metres spans;
- Electrical, hydraulic and pneumatic departments where all those kind of components are mounted and fully tested before shipment.

## **VIGAN** manufactures dry agribulk materials handling systems:

- Portable pneumatic conveyors or grain pumps (100 250 tph);
- Pneumatic Continuous barge & Ship Unloaders (160 800 tph);
- Mechanical Continuous Ship Unloaders (up to 1,500 tph);
- Mechanical loaders (up to 1,200 tph).



With more than 1,200 machines sold throughout 80 countries over 42 years, including 180 large size equipment of several hundred metric tons handling capacity, VIGAN is a most reliable and specialized company in its sector with a recognized international experience and know-how.



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



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