



NECTAR GROUP

BAGGING AND CARGO HANDLING EQUIPMENT

THE NECTAR GROUP

During the 1970s Nectar developed the world's first mobile bagging machine designed specifically to be housed within two ISO standard shipping containers, revolutionising the bulk commodity handling industry, allowing commodities to be shipped in bulk and bagged at destination, yielding previously unheard-of savings in the movement of commodities in bulk across the globe.

As a pioneer in its field, Nectar is now able to call upon over 45 years of real world operational experience to refine the technology in its bagging machines and has since patented a wide range of cargo handling equipment with unrivalled features, operational flexibility and build quality, which now serve an international clientele in over 75 countries.

With the success of the first generation of mobile bagging machines, Nectar has since diversified into other sectors of the maritime industry including terminal management, warehousing and consultancy. As a result, Nectar has broadened its equipment catalogue to include bulk hoppers, grabs and other bespoke bagging equipment.

As Nectar's bagging machines are now situated in some of the world's most challenging working environments, Nectar's team of highly skilled dedicated technicians and engineers are on hand globally to support business partners and clients alike.

Supporting the technicians in the field from its head office in the UK, providing around the clock assistance, aftersales support, technical trouble shooting and front-line support for commercial enquiries, Nectar now boasts some of the most robust levels of customer service in the cargo handling equipment market.



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BAGGING EQUIPMENT

Nectar offers a comprehensive range of bagging equipment, which can be customized to your requirements.

Ideal for dry, free flowing, non-bridging commodities, our award-



TAILOR-MADE
BAGGING
AND LOGISTICS
SOLUTIONS



DUTCH WEIGHTS
AND MEASURES
CERTIFIED



GLOBAL
COVERAGE



140 METRIC TONNES PER
HOUR DESIGN CAPACITY
PER BAGGING UNIT



ACCURATE WEIGHTS
+/- 0.5%



GUARANTEED
PERFORMANCE



IDEAL FOR FREE-FLOWING
CARGOES INCLUDING
FERTILIZERS, PULSES,
GRAINS, RICE, SUGAR ETC.



AWARD WINNING
SERVICE AND PRODUCTS

winning machinery provide unbeatable weight accuracy. They are fitted and manufactured to adhere to the strictest European safety standards with its electrical components following IEC regulations.

OPERATION FLEXIBILITY

Nectar's range of bagging machines are specifically designed to cater for bagging operations such as:

- Quayside for direct discharge from vessel
- Port warehouse operations
- Inland storage and distribution depots
- Blending plant facilities
- Commodity storage silos

The design of the machines offers exceptional manoeuvrability whether shunting by forklift within a warehouse or between berths, trucked to inland locations or shipped from country-to-country, as its standardized container dimensions allow them to be transported by conventional container handling equipment.

Nectar can also arrange sea freight of new build purchases to any destination port in the world. Working together with its network of reliable and cost-effective freight forwarders, Nectar can offer a fully door-to-door service.

TECHNOLOGY

The container is constructed of heavy gauge shot blasted SA2.5 steel, coated with a unique blend of epoxy primers and finished with a distinct Orange Polyurethane marine grade paint to protect against prolonged contact with corrosive commodities and adverse weather conditions.

The flagship COMPAC range models have three integrated ladders to allow access to the roof of the hopper for maintenance. 5 side doors and 2 rear doors allow for open space and easy access to all weighing lines. The container is fitted with two fully electronic NMI certified dual net-weighing stainless-steel systems.

Each weigh bunker has a capacity of 110L, with a capacity of up to 110kg for the M range and 2500kg for the XL range, depending on the commodity's density.

The bagging and weighing is controlled by a touchscreen PLC weighing and dosing controller. The user-friendly interface allows a flexible programme set up, with recipe settings to allow for optimisation of the dosing cycle during the weighing operation. All electronics are enclosed in a stainless steel electrical panel within the generator room alongside the optional air compressor and generator, keeping them away from airborne particles during an operation.



COMPAC M140



Features

- Specially designed and constructed dual-line bagging unit housed in a standard size ISO 20 ft steel container 20' x 8' x 8'6"
- 2 independent working lines
- 5 operators per line are recommended
- Air consumption 410 L/min at 6 bar
- Power supply 400 VAC/50 Hz 3 phase as standard for EU, possibility to adapt equipment for local power supply requirements
- Power consumption 14 kW
- Two height adjustable stitchers with a semi-automatic control system & two heavy duty stainless steel belt conveyors
- Adjustable stitcher conveyor side rails for different bag widths
- 140 MT/ hour for 50 kg bags

Additional options:

- 30 kVA generator installed with exhaust and induction fan in the control room
- Air compressor, including 250L air tank and air dryer system
- Truck conveyor system with options of container fitted or carriage mounted
- Single-line
- Hopper (refer p 10 - 11)
- Castor wheel set (light duty or heavy duty)

COMPAC XL 120



Features

- Specially designed and constructed dual-line bagging unit housed in a standard size ISO 20 ft steel container 20' x 8' x 8'6"
- 2 independent working lines.
- Roller-track motorised bag conveyor with rubberised rollers to prevent bag slippage
- 1-2 operators per line are recommended
- Power supply 400 VAC/50 Hz 3 phase as standard for EU, possibility to adapt equipment for local requirements
- Power consumption 8kW
- 120 mt/ hour for 1000 kg bags
- High pressure fan for blowing up the big bag before filling
- Bag specifications, 1000mm L x 1000mm W x 750-1300mm H with filling spout 500mm diameter and 400mm height

Additional options:

- 30 kVA generator installed with exhaust and induction fan in the control room
- Air compressor, including 250L air tank and air dryer system
- Single-line
- Hopper (refer p10-11)
- Castor wheel set (light duty or heavy duty)
- Extra long roller conveyor

IMPAC M60



➤ Fixed line 50 kg bagging

Features

- Specially designed and constructed single-line bagging unit housed in a standard size ISO 10 ft steel container
- 3 operators per line are recommended
- Air consumption 205 L/min at 6 bar
- Power supply 400 VAC/50 Hz 3 phase as standard for EU, possibility to adapt equipment for local requirements
- Power consumption 10 kW
- 60 mt/hour for 50 kg bags
- Height adjustable stitcher with a semi-automatic control system & a heavy duty stainless steel belt conveyor
- Adjustable stitcher conveyor siderails for different bag widths

Additional options:

- 20 kVA generator
- Air compressor, including 250L air tank and air dryer system
- Truck conveyor system, carriage mounted
- Hopper (refer p11)
- Wheel set, castor light duty

IMPAC XL 60



➤ Fixed line 1 tonne bagging

Features

- Specially designed and constructed single-line bagging unit housed in a standard size ISO 10 ft steel container
- Single working line
- Roller-track motorised bag conveyor with rubberised rollers to prevent bag slippage
- 1-2 operators per line are recommended
- Power supply 400 VAC/50 Hz 3 phase as standard for EU, possibility to adapt equipment for local requirements
- Power consumption 6kW
- 60 mt/ hour for 1000 kg bags
- High pressure fan for blowing up the big bag before filling
- Bag specifications, 1000mm L x 1000mm W x 750-1300mm H with filling spout 500mm diameter and 400mm height

Additional options:

- 20 kVA generator
- Air compressor, including 250L air tank and air dryer system
- Hopper (refer p11)
- Wheel set, castor light duty
- Longer roller conveyor

COMPAC HOPPER

The flagship COMPAC hopper is specially designed and constructed based on a standard size ISO 20ft steel container measuring 20’ x 8’ x 8’6” (LxWxH) and weighing approx 9,000 Kg.

The COMPAC hopper has a capacity of 21 CBM and is fitted with a protection frame suitable for touching down a grab directly from the ship’s crane. 30 mm holes in galvanised steel grids on top of the unit prevent lumps or foreign material entering the weighing mechanism. The hopper also comprises a lockable storeroom for secure storage of spare parts. It features two extendable hopper sides (operated by hand winches). These extend the total grab discharge area to 4.5 x 5 meters.



CONVEYOR HOPPER

This hopper’s frame is designed and constructed using structural grade steel.

It has a capacity of 10.5 CBM and is designed to be used in conjunction with the COMPAC range of machines. It also features removable legs which allow for shipping in a 20 ft container. The CONVEYOR hopper is suitable for feeding the bagging equipment by feed conveyor and/or front-end loader or by placing it underneath the spout of a suitable independent static hopper but it is not suitable for grab discharge.



IMPAC HOPPER

The IMPAC hopper is specially designed and constructed in mild steel.

It has a capacity of 4 CBM and is designed to be used with the 10ft IMPAC range of machines. It is suitable for feeding by conveyor, front end loader or by placing it underneath the spout of a suitable independent static hopper.



CUSTOMIZED HOPPER

Along with the range of standard modular bagging hoppers, Nectar has the capability of building custom designed hoppers matching client specification.

With years of experience and manufacturing flexibility, Nectar can offer bespoke hopper solutions for a wide range of cargo type both for quayside and warehouse operations.

By using the same high grade materials used in the construction of its standard modular hoppers, clients are guaranteed durability, performance and reliability for this crucial element of the bagging process.





BULK HOPPERS

Recently added to Nectar's range of equipment is the specially designed bulk hopper. They are individually fabricated with ST42 grade structural steel with the discharge chute valve blades produced with Hardox 400 for durability and longevity.

The hoppers, which can be produced in just 45 days from order, are able to handle a multitude of bulk materials provided it is dry and free-flowing. Each hopper is designed to spec around the client's requirements and can include a variety of optional extras.

The hoppers can be easily moved on a flat surface by simply towing on the in-built pneumatic wheels for complete operational flexibility.

Nectar is able to construct your hopper on site and provide ongoing technical and aftersales support with the benefit of their international team of technicians.



It comprises a hydraulic clamshell discharge valve which is operated by remote control. The top grate aperture section of approximately 300 x 300 mm facilitates the prevention of lumps or foreign materials entering the hopper. The recessed grids reduce the spread of dust. The hopper can be sized to accommodate trucks of any size on request.

There is also a range of options available:

- Windbreaks
- Platforms with ladder/steps
- Operating cabin
- Floodlights
- Traffic lights, horn/siren
- Multiple discharge points
- Remote control
- Vibrating plate
- Towing beam





GRAB OPTIONS

Grabs built for reliability, ease of operation and minimal maintenance, Nectar grabs are suitable for use in nearly every situation and are available in a wide range of volumetric capacities.

The single wire operating system makes them suitable for most commonly used ship cranes. Built in high quality ST42 steel, they are designed to handle a wide range of bulk commodities.

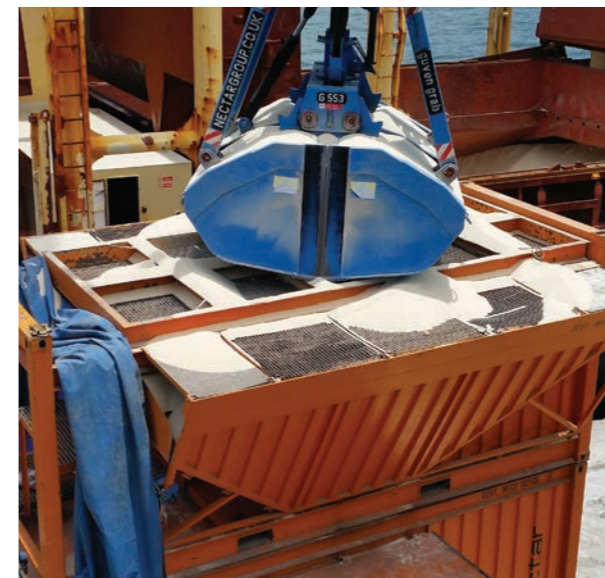
Grabs are available in both radio remote control or mechanical touch down options, available with adjustable kick plates to suit cargo's varying in density.

MECHANICAL TOUCH DOWN GRAB

- Manufactured in capacities between 2 - 50 CBM
- Opening mechanism activated by touching floor/platform
- Closing by crane rope retraction
- Supplied with spares, as standard

REMOTE RELEASE GRAB

- Manufactured in capacities between 3 - 60 CBM
- Opening by wireless radio remote control
- Hydraulic valves powered by 2 x 12 V (dry cell battery)
- Closing mechanism activated by lifting crane rope
- No motor and no need of electric supply by cable





YARGUS

FERTILIZER BLENDING

Nectar has experience in supplying a complete solution for your bulk handling that can include blending, discharge of commodity and so much more.

Raw fertilizer products often require blending to create more complex fertilizer blends specific to the requirements of the local soil. In these cases, Nectar provides a design and build service and will commission a custom machine specifically to cater to the individual clients' needs

using the same award-winning technology that is incorporated in its own bagging equipment. Nectar has partnered with the leaders in fertilizer blending, Yargus Manufacturing, to provide a complete blending and bagging solution tailored to your exact requirements.

Furthermore, teams of highly trained technicians are on hand for installation and troubleshooting whenever and wherever required.

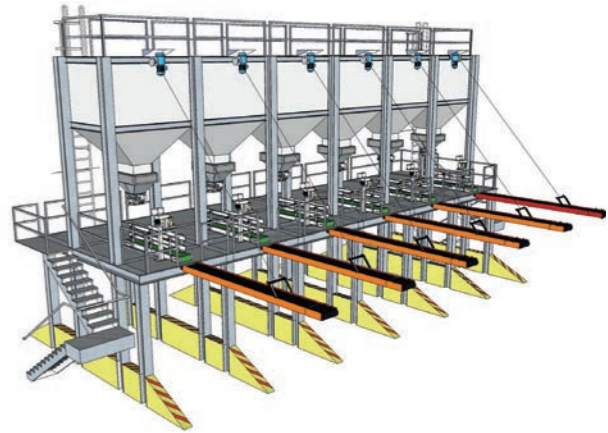
INTEGRATED TURNKEY SOLUTIONS

Whatever the size of the project, Nectar is capable of designing, manufacturing/procuring and installing all manner of cargo handling systems anywhere in the world.

Nectar has a broad range of experience in handling bespoke projects with specific issues to overcome. With over 45 years of experience in handling special projects the design and engineering team have a vast wealth of knowledge to draw from. From fixed bagging lines to silo installations through to port and terminal design and operation,

Nectar is able to work with you every step of the way to ensure that you are pleased with the end result.

Nectar takes a holistic approach with all integrated turnkey solutions as each link in the chain needs to be as strong as the next.





AFTERSALES SUPPORT

Nectar has a dedicated aftersales team ready to provide prompt assistance for all equipment enquires, providing tailored quotations for all cargo handling equipment including spare parts to ensure the seamless running of your equipment.

In-house engineers and technical staff are also on hand to provide ongoing technical support and training.

Bespoke maintenance and service packages are also available on request, providing peace of mind that your equipment will be maintained to a standard on par with those in Nectar's own fleet of bagging machines.

Contact commercialteam@nectar.co.uk

SPOT RENTAL

Nectar also offers a spot rental bagging service on a vessel-by-vessel basis. Using the same equipment as sold to its clients, Nectar is currently responsible for handling over 10 million tonnes of cargo each year on behalf of its now global client database.

To find out more please contact our commercial team.



NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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