



CONTAINER LOADER BROCHURE

A & S Thai Works Co., Ltd.

99/199 Moo 1 Theparak Rd., Km.22. Bangsaothong, Samutprakan 10570 Thailand

Phone: +66 2 313 1540 | Fax: +66 2 313 1550

E-mail: astw@thaiworks.com | www.asthaiworks.com

Container and truck Loader

New product from A & S Thai Works

Renderers

Meat and bone meal loader for 20 foot containers and trucks

Loading a 20 foot container with M&B meal efficiently has always been difficult.

We have seen a number of more or less successful prototype screw loaders and several versions of the "belt-meal-thrower" which give dust problems.

We have therefore developed a sturdy, well engineered and automated container and truck meal loader that we think will benefit all rendering plants:

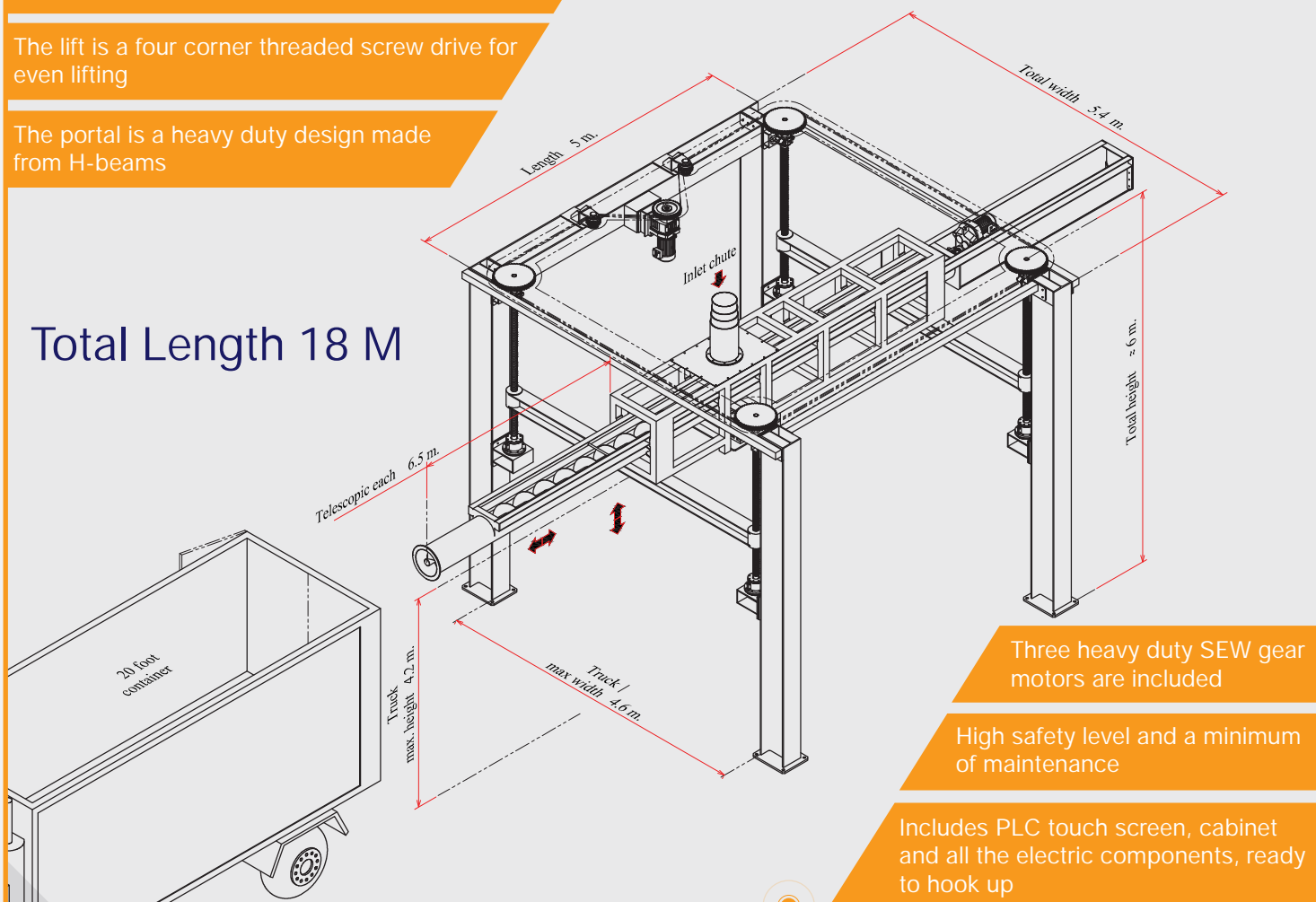
One bellow type chute above the conveyor inlet is included, to be fed from an existing screw conveyor

All wear parts are made from hardened steel, made to last

The lift is a four corner threaded screw drive for even lifting

The portal is a heavy duty design made from H-beams

Total Length 18 M



Three heavy duty SEW gear motors are included

High safety level and a minimum of maintenance

Includes PLC touch screen, cabinet and all the electric components, ready to hook up

R&D from ASTW



Container and truck Loader

Telescopic type container and bulk loader for M&B meal.

- Capacity up to 40 tons/hr. (fills a 20 foot container in 30 minutes)
- Semi-automatic operation, all movements fully adjustable.
- Telescoping trough that enters into the 20 foot container and pulls back by controlled pressure and speed for maximum filling.
- Height adjustment to suit actual height of container on truck.
- Complete container loader unit is hoisted above ground so that trucks can pass under and for bulk loading.
- Trough and screw made from high wear resistant material.
- Three SEW gear motors, total 17.7 kW



Function

The telescopic screw conveyor feeds through one open (the right hand) container door, goes all the way in close to the ceiling of the container before it starts feeding and then moves slowly backwards. The feed rate is controlled by the pressure of the meal and 20 tons of meal is filled in about 30 minutes.

The whole telescopic unit is mounted on a strong portal and lifts up and down into preset positions:

- a) low position for container loading
- b) high position for truck loading, about 4 meters
- c) top position 4.2 meters so that trucks can pass underneath

The fully pre-programmed automatic functions are set on a touch screen PLC that can be adjusted by the operator and switched to manual mode if needed.

Operation

- 1) Stop the container truck (or ordinary truck) at a match mark.
- 2) Open the container door or remove the truck cover.
- 3) Push the start button — “container” or “truck” function.
- 4) Have a cup of coffee and after about 30 minutes the container or truck is fully loaded and ready to go.







A & S Thai Works supply for fishmeal and rendering plants:

- Disc driers and cookers, probably the most efficient available
- Twin screw presses, Stord type, very heavy duty, stainless screws
- Pre heaters and cookers, disc and hollow screw types
- Screw conveyors, wet and dry side, stainless steel troughs with wear plets
- Vertical screw conveyors, very efficient for cakes and meals
- Meal coolers, air flow and vacuum types
- Meal handling and storage systems
- Container and bulk loader, telescopic type, automated
- Air cooled condenser, one unit 110sqm/16.5kw, fits into 40 foot container
- Complete plants, fishmeal and rendering, from 1 ton/hr and up
- Design and engineering, When needed at site
- Electric control cabinets, PLC, Scada
- Complete installation and commissioning, Also while the old plant is operating
- Large stock of spare parts, even the large shaft mounted gear boxes

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Tel.: +66 2313 1540 Fax: +66 2313 1550 Email: sales@asthaiworks.com

www.fishmealmachine.com | www.renderingmachine.com