Officina FAEDO

We Lift Your Work

Officina FAEDO srl

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Officina FAEDO

Successful choice

Officina Faedo operates in the field of cranes and lifting equipment for **over 50 years**, having thus acquired extensive experience in the stone industry, engineering, steel and prefabricated.

The company is located in the Valle del Chiampo, economically dynamic area and traditionally aimed at the production and industrial innovation.

The company's business has been started in 1961 with the foundation by Mr. Cesare Faedo of FOEM (Faedo Officina Elettromeccanica). To continue the work now are the sons of the founder, who in 1992 formed the Officina Faedo.

The production is displaced into two units, one for the mechanical and the other for heavy metal structures and the pre-setting up.

CE

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TOP LOADER

Loading arms top loader type TL11, for 20" box container, with loading arm with fork connection. With balanced on the top and chains with adjustable hooks on back to adapt to the load stow. The boom is fitted with a cable tie for attack on lifting equipment is of a type that the hook bicorn type a simple hook. Complete with support for the parking of the device.
This new type of loading-arms allows to lift the slabs from the sides instead of from top so as to exploit the container's full height.
The loading-arms structure has been designed in such a way so as to allow its easy dismantling.

CHARACTERISTICS

The most useful characteristic of Loading Arm Top Loader is the possibility to load or bundles of slabs or single slab per time, as per customers' standard work.
There is also the possibility, in order to work both bundles and single slab, to have the DOUBLE TYPE, it means that, with simple operation, you change the arm of the de-vice.

TYPES

The standard types are:
Model TL11/3 – with loading capacity Kg. 3.000
Model TL11/4 – with loading capacity Kg. 4.000
Model TL11/5 – with loading capacity Kg. 5.000
Model TL11/7 – with loading capacity Kg. 7.000

Loading Arm with interchangeable arms

Loading Arm capacity 4000 kg

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GANTRY CRANE

TYPE

The production of gantry cranes includes capacity and structures with different dimensions according to the requests and needs of the customer.
The gantry cranes are designed and manufactured in different types of structure, in order to ensure customers get the most use out of the place.
Therefore are realized gantry cranes with or without lateral leaps and crane type Half-crane, which have the particularity to move for a part sliding on the floor and the other on the upper part of the building by means of a special head fitted with wheel boxes motorized for longitudinal translation.
Officina Faedo also manufactures gantry Torsional cranes with structure with single beam and two legs to allow the load to turn 90 degrees near the lateral leaps .
The Torsional gantry cranes are particularly suitable for the company that work with long precast size.

FRAME

The beams are made of sheet steel and are made in caisson type and stiffened with internal diaphragms.
The dimensioning of beams and legs is widely calculated following all the standards norms, in order to obtain a high resistance. The cranes are constructed to the A8/M8 class. It is provided the stairway to the bridge and the protection railings along the entire length of the bridge.

MOVEMENT

The translation is made through a group formed by wheel boxes and longherons. The wheel boxes are equipped with steel wheels mounted on bearings with direct coupling to a reducer coupled to an electric motor self- braking. The wheel boxes are equipped with a system that allows adjustment of the axis of translation of the machine, thus allowing to adapt the movement of the crane to the rails and ensuring ease of maintenance.
The motors of wheel boxes are usually driven by an electronic inverter applied to the system for multi- adjustment of departures and brake data; the application of the inverter system ensures a substantial lengthening of the life of the mechanical parts of the machine, a lower load swing and a lowering of the machine noise.

Gantry Crane, capacity 45 ton, span 25 m, lateral leaps 6,5/7,5 m

Gantry Crane, capacity 50 ton, span 20 m, lateral leaps 6 m

Detail of longheron and little trolleys

EQUIPMENT

LIFTING EQUIPMENT

The company even produces a range of equipment for lifting the load, both for the gantry cranes for the overhead crane, such as lifting beams and trestles.
The company also manufactures transfer trolleys for the movement both the version with battery than connected to the power line.

Sling beam capacity 6 ton

Sling beam for slabs and blocks, capacity 35 ton

Transfer trolley with battery

Trestle capacity 18 ton

JIB CRANE

TYPE

The jib cranes are manufactured or wall bracket mounted or column mounted, channel profile, cantilever or overbraced beam.

The rotation of the crane and the translation of the hoist trolley may be manual or electric.
The cranes are equipped with electrical equipment and low tension button.

Jib Crane column mounted, capacity 1000 kg

Jib Crane wall bracket mounted, capacity 1000 kg

Jib Crane column mounted, capacity 1000 kg

LIFTING

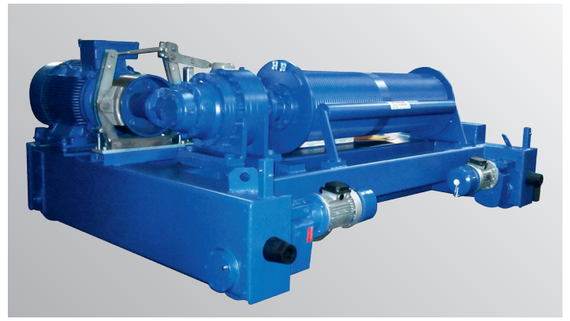
The hoisting trolley is made with steel pipes with big thick. The translation is made with steel wheels mounted on bearings, driven by a reduction gear to the direct clutch and self-braking electric motors.
On the frame is applied to a group of lifting gear with parallel axes of our construction, fitted with gears in an oil bath mounted on bearings, or an epicycloidal reduction gear.
It is installed a special motor combined with a lifting rope drum threaded, and an electro-hydraulic brake flexible coupling to a large band.

On request it is possible to install an additional auxiliary hoist for lifting of loads of small size.

GALVANIZED

The company offers the service of galvanizing the structure of the gantry crane.
The galvanizing allows to substantially increase the life of the structure of the machine, making it indemnify to the weather conditions, especially for installations located in proximity of the sea zones.
The structure is galvanized both internally and externally by immersion according to the UNI EN ISO 1461.

Detail of lifting trolley with auxiliary hoist



Detail of lifting trolley

Hal Crane, capacity 40 ton, span 30 m, lateral leap 6 m

Detail of lateral support of head

OVERHEAD CRANES

TYPE

The cranes can be made of the mono-beam or dual-beam, with trolley or trolley hoist depending on the capacity and trolley frame to reduced size.

FRAME

The beams are made of sheet steel and are made in caisson type and stiffened with internal diaphragms.
The dimensioning of beams and legs is widely calculated following all the regulations in force, in order to obtain a high resistance.
The cranes are constructed to the A8/M8 class.

MOVEMENT

The translation is carried out with two heads equipped with four or eight steel wheels (depending on the case and of the loads) mounted on bearings with direct coupling to a reducer of pendular type.

Electric motors are self-braking soft start two speeds, or is installed electronic inverter for multi-regulation of departures and braking.

The application of the inverter system ensures a substantial lengthening of the life of the mechanical parts of the machine, a lower load swing and a lowering of the machine noise.

Overhead crane, capacity 5 ton, span 14 m

Overhead Crane, capacity 6,3 ton, span 23 m

Detail of lifting trolley with weighing device

Overhead Crane, capacity 40 ton, span 20,9 m

LIFTING

Usually on the cranes with capacity up to 10 tons is installed a trolley hoist. On overhead cranes of capacity higher than 10 tonnes or at the request of the customer realizes a trolley.

The trolley is made of a thick tube frame, with translation system with steel wheels to direct clutch operated by a reduction gear with self-braking electric motors.

The lift assembly is made with a reducer with parallel axes of our construction with gears in an oil bath mounted on bearings, or with a planetary gearbox.

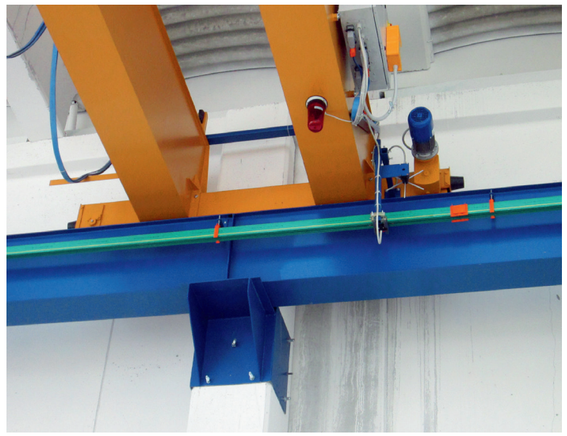
We apply a special motor for lifting and a rope drum coupled to a threaded electro-hydraulic brake and clutch elastic wide belt.

RUNWAYS

The company also produces runways for the cranes. The runways are designed on the basis of the structure of the customer and the building in which will be installed overhead crane.
Can be realized with caisson beam or beams with HE.

Overhead Crane, capacity 35 ton, span 10 m

Overhead Crane, capacity 10 ton, span 20,7 m



Detail of head support