THE CONSORTIUM BATTERY EQUIPMENT

HEAD Q.: Via Ongari 6/1 36030 S. Vito di L. Vicenza Italy
PRODUCTION U. Vicenza, Milano & Bergamo
tel: +39 0445 069080
fax: +39 0445 069079

LEAD STRIP DECOILER

General Characteristics

Support structure realised entirely in Fe 37 and painted as per Client request.
Two 1.5kW Motors for uncoiling operation
Pneumatic Piston for rotation of station to permit coil loading
CE Compliant Safety Guards
Suitable for use with all coils made from Rolling Mills
Remote and Local Control of Station through Industrial plc Interface.
Suitable for Lines of upto 40mt/min.

Technical Information:

Dimensions (L*W*H) : 1500mm*1500mm*1700mm
Electrical : 380V 3ph +PE - 50Hz (others on request)
Power Consumption: < 2kW installed
Ship Weight: 800kgs
Pneumatic: 6 Bar

This station is responsible for the decoiling operation of coils of lead strip previously supplied from the rolling mill. Part of a complete line proposed by omr, the station can be adapted to existing installations if required. Operation of the station is though the use of a small pedestal control box located near the station and permits the operator to unload empty coils and load new coils to be used in the Expanded Metal Station. The station is supplied with all necessary controls for a safe . constant and reliable operation.

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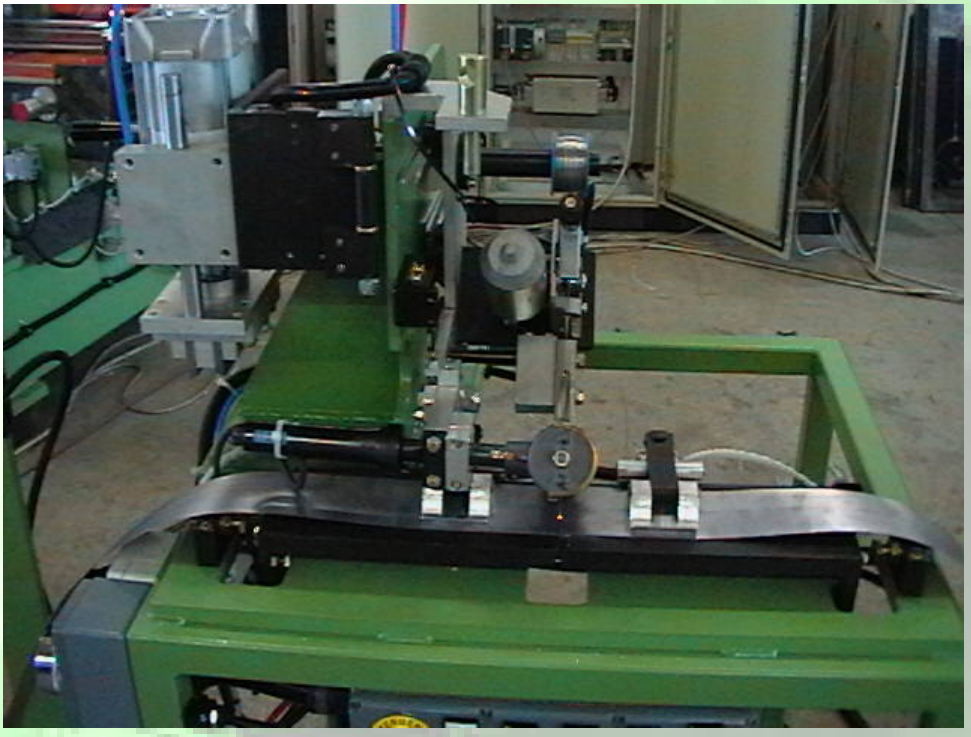
LEAD STRIP WELDER

General Characteristics



Support structure realised entirely in Fe 37 and painted as per Client request.
CE Compliant Safety Guards Suitable for use with all coils made from Rolling Mills
Remote and Local Control of Station through Industrial plc Interface
Suitable for All lines and speeds

Technical Information:

Dimensions (L*W*H) : 1200mm*800mm*1300mm
Electrical : 380V 3ph +PE - 50Hz (others on request)
Power Consumption: < 4kW installed
Ship Weight: 220kgs
Pneumatic: 6 Bar

This station permits the Line Operator to safely and surely weld together the tail of one coil with the head of a new coil therby eliminating line down time due to coil changeover. The operation is stragiht forward and simple through the use of cold fusion of the two parts. Part of a complete line proposed by, the station can be adapted to existing installations if required. The station is supplied with all necessary controls for a safe . constant and reliable operation.

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LEAD STRIP EXPANDER

This is the heart of the Expanded Metal Line. A completely NEW approach to **EX-MET** manufacturing. Through the use of 5 Electrical motors working together under a mathematical algorithm, the achieves PERFECT expansion of the strip each and every time. Although the TITAN can run at speeds of upto 26 meters per minute, reliable, continuous and constant expansion is achieved at a speedof 23 m/min thus guaranteeing a solid basis for calculating true production figures for produciton management. With an OEE of over 92%
the TITAN is becoming the obvious choice for EXMET Plate Manufacturing

General Characteristics

Support structure realised entirely in Fe 37 and painted as per Client request.
CE Compliant Safety Guards
Suitable for use with all coils made from Rolling Mills
Remote and Local Control of Station through Industrial plc Interface

Technical Information:

Dimensions (L*W*H) :
Electrical : 380V 3ph +PE - 50Hz (others on request)
Power Consumption: < 90kW installed
Ship Weight: 1200kgs
Pneumatic: 6 Bar

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LEAD STRIP EXPANDER (MODEL 1)

General Characteristics

Support structure realised entirely in Fe 37 and painted as per Client request.
CE Compliant Safety Guards
Suitable for use with all coils made from Rolling Mills
Remote and Local Control of Station through Industrial plc Interface

Technical Information:

Dimensions (L*W*H) :
Electrical : 380V 3ph +PE - 50Hz (others on request)
Power Consumption: < 100kW installed
Ship Weight: 1600kgs
Pneumatic: 6 Bar

This is the heart of the Expanded Metal Line. A faster model than the TITAN. Through the use of 5 Electrical motors working together under a mathematical algorithm, the achieves PERFECT expansion of the strip each and every time. Although the GIGAN can run at speeds of upto 22 meters per minute, reliable, continuous and constant expansion is achieved at a speedof 20 m/min thus guaranteeing a solid basis for calculating true production figures for produciton management. With an OEE of over 94%

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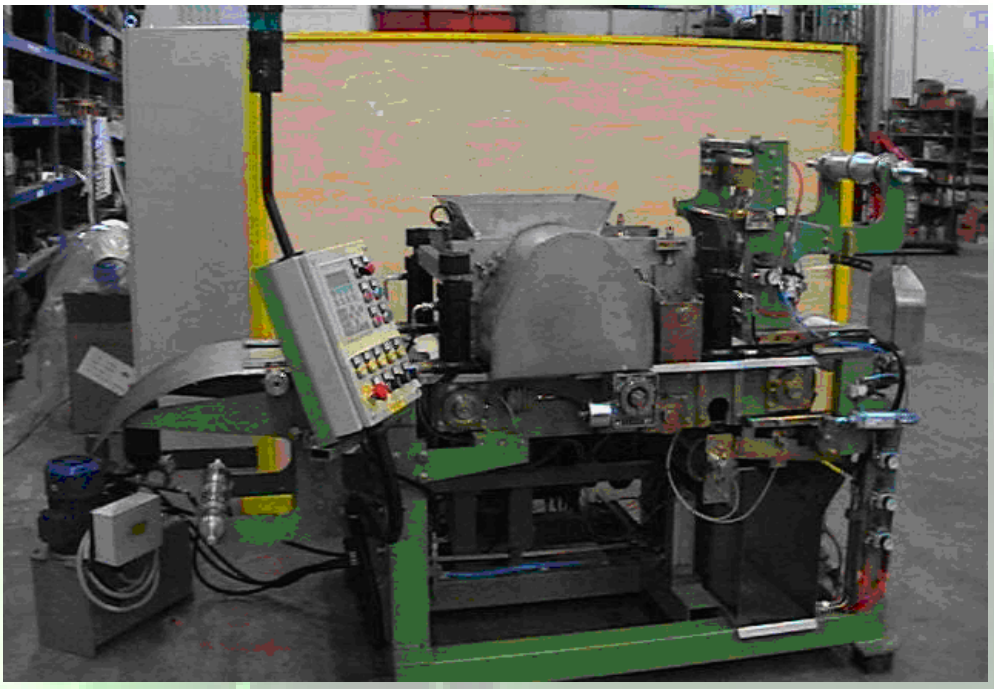
LEAD STRIP PASTING STATION

General Characteristics:



Support structure realised entirely in Fe 37 and painted as per Client request.
CE Compliant Safety Guards
Suitable for use with all exmet strip made from Reciprocator machines
Remote and Local Control of Station through Industrial plc Interface for line management and SCADA apps.

Technical Information:

Dimensions (L*W*H) : depends on layout
Electrical : 380V 3ph +PE - 50Hz (others on request)
Station Logic : SIEMENS S7 / Allen Bradley (others on request)
OP: SIEMENS OP77A
Electrical Components : SIEMENS / TELEMECANIQUE
Power Consumption: < 15kW installed (standard)
Ship Weight: 1200kgs
Pneumatic: 6 Bar
Capacity: up to 30 meters per minute

The pasting station is our proposed solution for the pasting of ex-met grids. Through the use of a cotton belt the quantity of paste applied to the grid is constant and homogeneous. This is also merit due to the particular design of the paster drum shoes. The system is adapted for use with all standard paper types throught the use of our exclusive paper regulation process. Easy of regulation of the planometry of the exmet belt during the pasting operation thereby reducing stops and down time of the pasting line. Hopper realised entirly in AISI 316L INOX.

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PLATE CUTTER

General Characteristics

Support structure realised entirely in Fe 37 and painted as per Client request.
CE Compliant Safety Guards
Suitable for use with all exmet strip made from Reciprocator machines
Remote and Local Control of Station through Industrial plc Interface for line management and SCADA apps.

Technical Information:

Dimensions (L*W*H) : depends on layout
Electrical : 380V 3ph +PE - 50Hz (others on request)
Station Logic : SIEMENS S7 / Allen Bradley (others on request)
OP: SIEMENS OP3
Electrical Components : SIEMENS / TELEMECANIQUE
Power Consumption: < 15kW installed
Ship Weight: 1200kgs
Pneumatic: 6 Bar
Capacity: up to 30 meters per minute

The **PCEM30** is specifically for use on exmet lines with a speed of upto 30meters per minute. The cutting operation is entirely automatic and the cutting takes place through the use of independent holding and cutting blades. Easily adapted during operation so as to permit exact and constant cutting on the nodes. The station includes an outlet conveyor so as to permit the slight opening of the cut plates for presentation to the flash drying oven. The outlet conveyor includes a small roller so as to flatten any plates that have warped during the pasting or cutting process

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PLATE STACKER

General Characteristics:

Support structure realised in Fe 37 and protections in AISI 304L.
CE Compliant Safety Guards
Remote and Local Control of Station through Industrial plc Interface for line management and SCADA apps.

Technical Information:

Dimensions (L*W*H) : 1800mm*1000mm*1600mm
Electrical : 380V 3ph +PE - 50Hz (others on request)
Station Logic : SIEMENS S7 / Allen Bradley
Op: Siemens OP17A
Electrical Components : SIEMENS / TELEMECANIQUE
Power Consumption: < 4kW installed
Ship Weight: 400kgs
Pneumatic: 6 Bar
Capacity: upto 360 single plates per minute

The plate stacker is specifically adapted for use with ex-met plates from all types of manufacturing processes. Suitable for use with 'Soft' exmet plates due to the correct alignment during conveying and stacking. Various worldwide installations prove the efficiency and reliabilty of this stacker and solves the prolems regarding the use of paper on plates which may create problems in the stacking process. The plates are presented in a correct way so as to eliminiate the need for front and lateral aligning pistons which may damage the plates being stacked. Ease of use and ease of access to the stacking group permit quick resolutions to all problems encountered during operation.

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PLATE PALLETISER

General Characteristics:
Support structure realised entirely in Fe 37 and painted as per Client request.
CE Compliant Safety Guards
Suitable for existing pasting lines
Remote and Local Control of Station through Industrial plc Interface for line management and SCADA apps.

Technical Information:
Dimensions (L*W*H) : depends on layout
Electrical : 380V 3ph +PE - 50Hz (others on request)
Station Logic : SIEMENS S7 / Allen Bradley (others on request)
OP: SIEMENS OP77A
Electrical Components : SIEMENS / TELEMECANIQUE
Power Consumption: < 15kW installed (standard)
Ship Weight: 1200kgs
Pneumatic: 6 Bar
Capacity: 4-16 full and empty pallets

The **palletiser** is the right choice for the palletising operation of plates from the pasting line. International manufacturers are continuously looking for ways to reduce manpower on the factory floor. This system along with one of our stackers (or an existing one) permits the removal of personnel from the line. Specifically adapted both to floor space available and pallet type used. The **PP24** uses encoders on all three axis and recipe management for the palletising of different types of plates. A reliable and constant operation through the complete use of original certified parts.