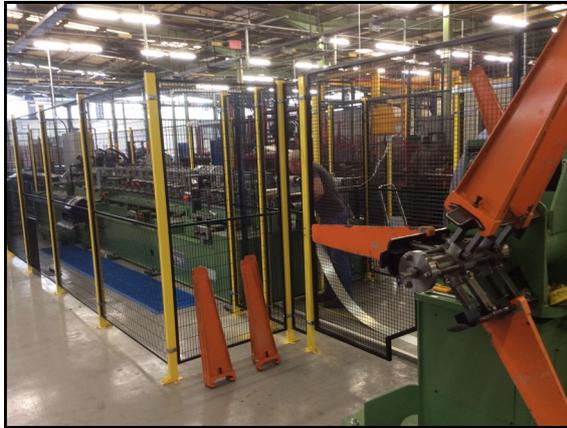


15 Pass Rollforming Line for the Production Partition Stud & Track



Performance

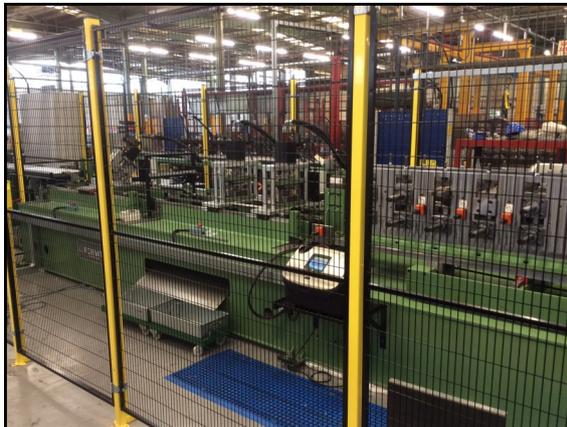
Line speed : 60 Metres / min
 Max component length : 6 metres
 Coil - 3000kg x 300mm x 0.7mm Mild Steel

(P)CD3000.300 DOUBLE SIDED DECOILER

With manual mandrel expansion, Adjustable tension and safety brake.

F1(Ø40mm)-15-TELESCOPIC-ROLLFORMER

A 15 pass Telescopic rollform mill with 40mm diameter shafts. Variable speed drive, with drive transmitted to the forming heads via telescopic propshafts.

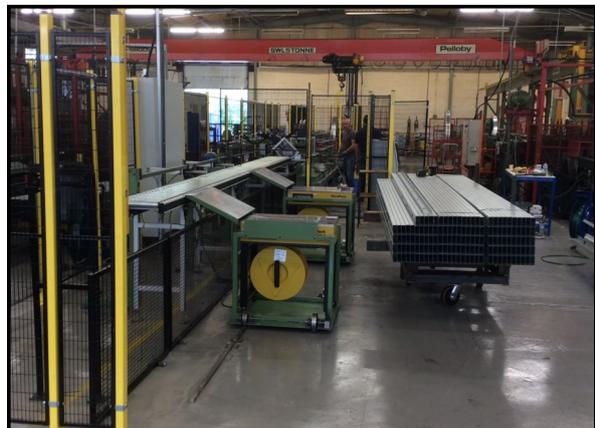


The top rolls are all adjustable and are linked then into banks where the rolling pressure is set by a series of calibrated screws.

Width adjustment on this machine is achieved quickly via ballscrew adjustments to the full forming heads at one position.

An adjustable entry guide assembly with digital readout is mounted prior to the rollforming head section.

On the exit of the rollformer there is De-twist unit mounted, to take out any bow or twist which may be induced into the product during the forming process.



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8T TWIN FLYING PUNCH UNIT

A light weight, High Speed, Twin Flying Punch Unit that matches the section speed and punches the rectangular slots into the base of the Stud section after the material has been rollformed.

High Speed Hydraulic units are utilised to achieve this.

8T FLYING SHEAR UNIT

A Light Weight Flying Shear Unit that matches the section speed and cuts the material length. The system utilises a strip encoder and Fibre Optic trigger sensor to match up and sync to hole positions to enable the holes to be set reference to the end of the part accurately.



EXIT CONVEYOR WITH SIDE EJECT

The roller conveyor is positioned after the rollformer and will consist of an integral take away roll assembly to ensure that the cut component is separated from the following component.

The unit then actuates knock off cylinders to eject the parts sideways off the conveyor

The finished sections then are presented to the machine operator for packing / banding on a stacking table.



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LINE CONTROLS

The touch screen line control system enables the operator to select the pre stored products and produce the required components in batch quantities controlled by the machine. The system will also put product markings onto each part with an Inkjet printer system that is controlled via the main desk. Controls for the machine are housed in appropriate panel enclosures at the rear of the line, with the main control desk situated at the front of the line.

SPECIALISTS IN ROLLFORMING TECHNOLOGY

Formit Ltd is dedicated to meeting your rollforming requirements through the application of the latest CAD Technology.

Since 1989 Formit Ltd has progressed from strength to strength by listening to its customers needs and meeting their expectations in terms of design, delivery and performance.

The strength of engineering skills within Formit give it the ability to supply not only rollforming solutions, but fully integrated turnkey production lines.

Formit utilises a full 3D modelling CAD facility and COPRA rollforming process simulation software.

Use of the latest software & the expertise of an in-house "DESIGN AND BUILD TEAM" ensure that all equipment supplied by Formit exactly meets your needs.

