

PRODUCT *update*

Volume 2, Issue 1

CUSTOM ROLLFORM PRODUCTS, INC.



Punch & Notch Operation Prior to Rollforming.



Completed 3-sided wrapper laterally ejected out of Tangent Former.

We manufacture many three (3) sided wrapper applications directly from coil stock. Some applications are produced from several gauges and/or material types, such as stainless or cold roll steel.

If you are looking for similar products, call us for a **video** of a similar application.

Let us know if we can be of service.

This is the first in a series of Product Updates designed to keep you abreast of the latest applications we have designed and developed.

A better understanding of special features and how they are applied may be the best sales tool we have to offer.

Application:

Design and manufacture a System to produce Air Conditioner Three (3) Sided Wrapper Cabinets on a truly J.I.T. basis.

Problem:

Air conditioner units require four (4) different cabinet sizes in two (2) different colors. The compressors and coils are produced and tested in random. Quantities and the cabinets must be produced J.I.T. in the order they leave the final test stages. Production rate approximately 1 part per minute.

Solution:

Automatic Blank Feed, Notch, Punch, Rollform and Endform System.

The system consisted of an Eight (8) bay Destack & Feed Unit, a Programmable Progressive Notch, Punch Unit, a Variable Width Rollform & an Automatic Combination Endform/Tangent Form Unit.

Starting with eight skidded stacks of pre-painted blanks, the Pick & Place Blank Feed will travel up the stack Tower, enter and retrieve the blank and place it onto the feed conveyor. Sensors on the infeed conveyor will signal the punch/notch unit for the blank

length and width. The dies automatically position from the width sensor and the length sensor will load the programmed notch/punch sequence. Each blank coming off the stacker is reviewed and downloaded.

After the blank passes through the notch/punch system it is conveyed directly into the Rollformer. Sensors on the conveyor look at the blank width, and automatically set the Rollformer width. The Pre-Notched and Punch Blank is fed through the Rollformer to form the front and back flanges of the cabinet.

The rollformed part is then conveyed directly into the Combination Tangent Endform Wingform Unit. Once again, sensors look at the length and width of Pre-Rollformed Panel to download the Tangent Formers Program. The former is designed to form the leading and trailing ends of the part, then form the two (2) sides up into a three (3) sided cabinet wrapper.

The completed part is then ejected and conveyed directly to the assembly line to meet up with the air conditioner unit. Different parts are continuously staged throughout the fabrication cycle for a total J.I.T application.



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Products Offered:

- Coil/Sheet Handlers
- Cut-To-Length
- Rollforming
- Stud and Track
- Tangent Forming
- Etc.



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Quality Designs Means Production You Can Afford

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