

# PRODUCT *update*

CUSTOM ROLLFORM PRODUCTS, INC.

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At Custom Rollform Products we have the ability to design and build every phase of the product system with out compromising the overall applications. We manufacture all the basic equipment including Destack and Feed Units, Programmable Servo Coil Feeds, Presses, Dies, Rollformers, along with Tangent Endform and Wingformers. We also design, build and program all the Servo Drives, Feeds, Hydraulic and Pneumatic Systems. When your dealing with a single source manufacture that can design, interface and unitize all the components together you're guaranteed you'll get the latest designs and technology.

Today its not a matter of just building a system that manufactures parts. Its just as important to totally understand how the customer plans on running his production. High volume out put sounds great but most manufacturers are looking at on-time or just-in-time production. Completed parts produced in various lengths, quantities and hole patterns to meet their daily, hourly or on-time production needs.

Another major consideration is the amount of scrap loss incurred when starting and finishing a Coil along with the scrap loss developed between part punch/length changeovers. Minimizing or eliminating scrap loss can amount to major savings over the year.

*Quality Designs Means Production You Can Afford*



## **Application Example: On-Time Slit and Shear Blanking Line.**

### **Application:**

Customer manufactures a wide variety of enclosure panels in various lengths, widths and gauges. Material; 14 Ga. to 22 Ga. Mild Steel.

### **Problems:**

A large inventory of Skidded Blanks in a wide variety of sizes, major material handling problems and excessive scrap loss to convert standard sheets into required panel sizes.

### **Solution:**

Design and manufacture a completely automated programmable Slit and Shear Line.

The entire system was developed using five (5) 20,000# Decoilers, a 60" wide Feeder Straightener, two (2) Programmable Slitters, a Cut-Off Shear and a Sheet Stacker. The Decoilers were in line and each one was set-up to handle a different gauge or thickness. Each Decoiler was self-threading to feed the Coil Stock to a holding area in front of the Feeder Straightener.

The Programmable Feeder Straightener had a Servo Index Feed Drive to sequence and feed the strip through the Slitters and Shear.

The Slitter application was probably the most unique part of the system. Each Slitter was programmable and designed to independently engage and disengage the material and to feed and index across the width of the strip. You could program one or more slit widths and a feed length and the system will feed and produce two or three panels without any scrap loss.

Most Slit & Shear Lines are developed to run production quantities of a set size. There is a certain amount of changeover set-up time and scrap loss when changing lengths and widths.

This system can slit one set of blanks for one length width, then change for the next set of lengths and width with no scrap loss. The Shear cuts through the Lead & Trail Slit Edge where the Slitter engages and disengages the strip.

The Shear and Feed compensate for the slitter depth or curf and correct the point of shear engagement to minimize curve damage of the sheared edge.

Adding to this unique Slitter Application we provided the ability to down load all the panel sizes required directly from an Auto-Cad Program. A Nesting Program was provided to correlate all the various panel widths, lengths and gauges for maximum material utilization with minimum scrap loss. To this we added an Automatic Labeling System for routing completed panels throughout the production and forming stages.

We're best noted for our Part Production Applications, but as you can see we also offer and manufacture some of the best Cut-to-Length Systems and Slitting Options available.

*Let us help solve some of your next production problems.*

## **CUSTOM ROLLFORM PRODUCTS, INC.**

Manufacturing a Complete Line of Metal Fabrication Equipment

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**Quality Designs Means Production You Can Afford**

Custom Rollform Products has developed an excellent reputation as a manufacturer of Automation Equipment for Part Production. Given the ability to design and manufacture all phases of the Fabrication System we don't have to compromise the application. We offer the widest variety or mix of equipment which allows us total design flexibility for the best On-Time Production and Quick Change-Over Applications. Whether it's a Blank or Coil Feed, Programmable Index Punch/Notch or Gang Punch, Rollformer or Tangent wingformer, it's all designed, manufactured and integrated by one company.



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

**Products  
Offered:**