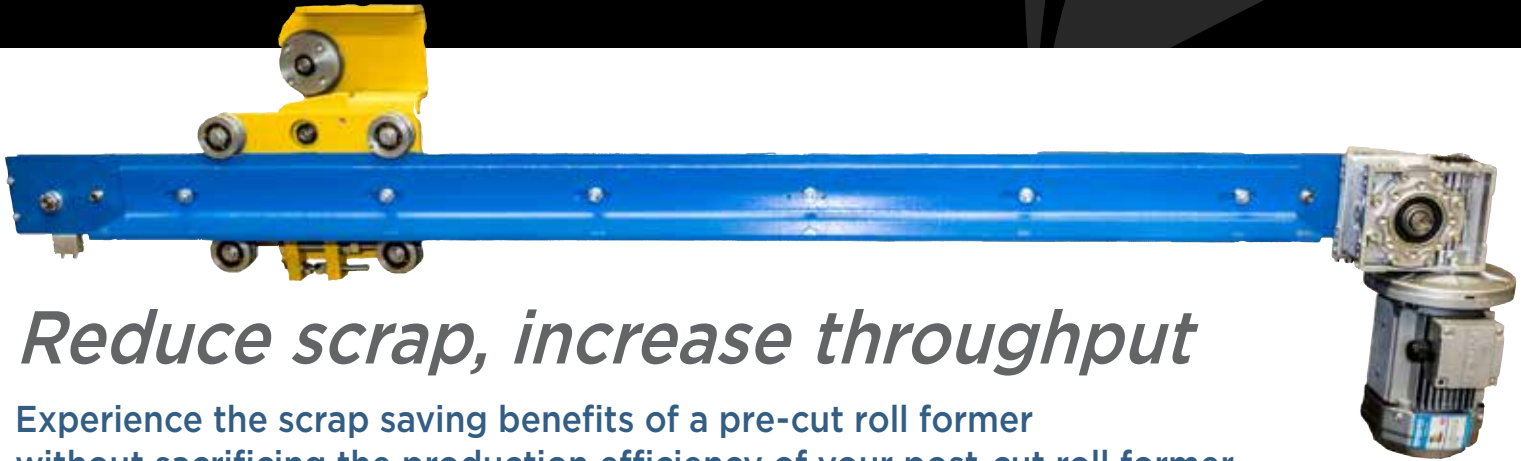




# Front Shear Retrofit Kit



## *Reduce scrap, increase throughput*

Experience the scrap saving benefits of a pre-cut roll former without sacrificing the production efficiency of your post-cut roll former

### **Problem:**

In the event of a material change, operators commonly face a machine full of scrap.

Many customers solve this with a manual process of stopping the machine early and hand cutting. This process is time consuming, creates scrap, and calculation errors during the cut can be costly.



Front Shear installed to the front of a roll former

### **Bolt-on Front Shear is the Solution**

- The Front Shear's flexible design allows for convenient bolt-on installation to the front of any roll former
- AMS Controls' XL200 pairs perfectly with the Front Shear
- The XL200 is used to correctly fire the Front Shear when the final piece approaches the roll former to reduce end point scrap

### **Benefits:**

- Reduces scrap for post-cut roll formers
- Reduces downtime and in many cases eliminates the need for manual measuring
- Increases efficiency by eliminating the need to use hand tools for cutting
- Increases efficiency by creating a clean leading edge on the coil
- Bolt-on retrofit design configurable to most roll formers eliminates need to replace roll former
- Mitigates operator errors by automating a cut at the end point

### **Specifications:**

- Material thickness: 26 - 22 GA (0.5-0.8 mm) Mild steel
- Material width - Max 49" (1250 mm)
- Cutting time: Approximately 5 seconds (*Time will vary depending on material type*)
- Required Voltage: 480 volts 60 Hz



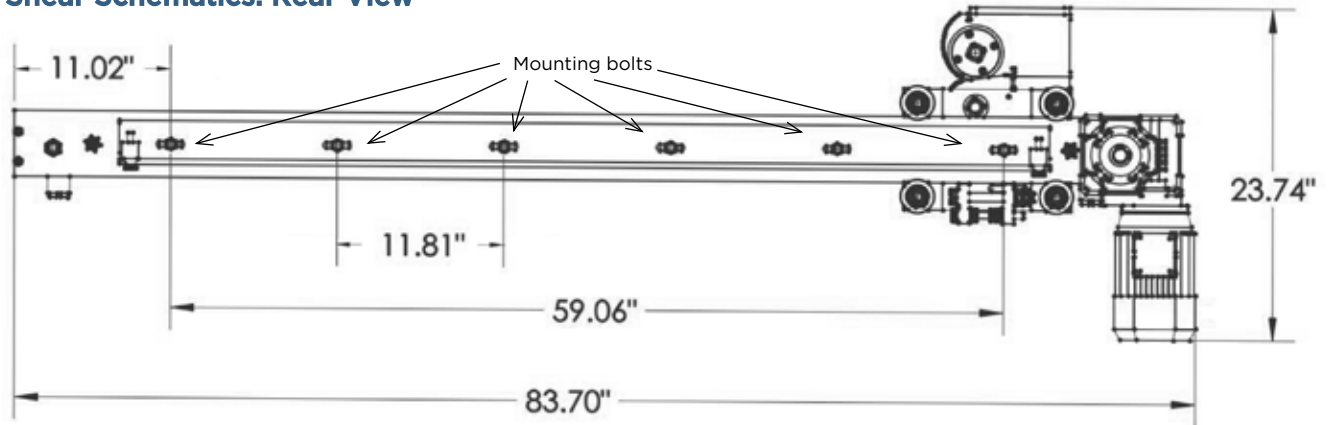
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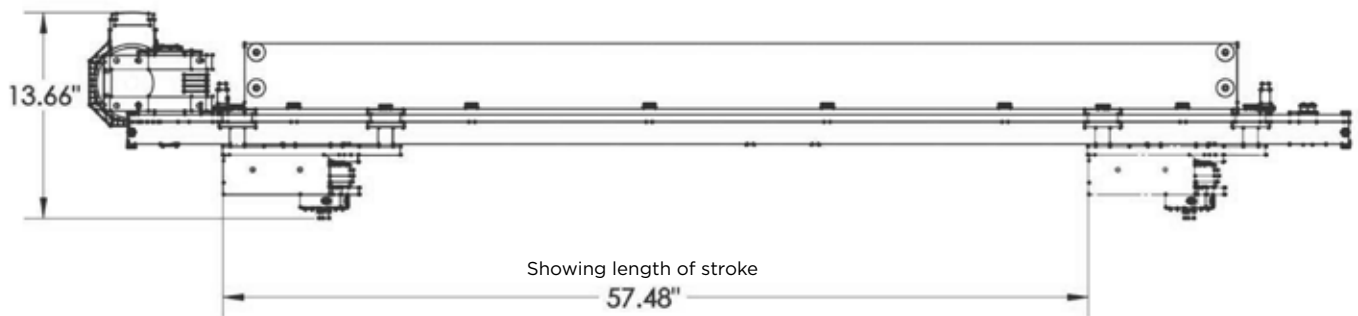
## The Front Shear at Work

With an XL200 in place to control the Front Shear, the controller will sense when the last piece of the order enters the roll former. Once the trailing edge of the material reaches the Front Shear location, the line will be stopped. At this point the operator will be asked to continue with the Front Shear operation. If more parts need to be programmed, then **NO** can be selected and additional production added. If a front shear is needed, choose **YES**, and the Front Shear is actuated.

## Front Shear Schematics: Rear View



## Front Shear Schematics: Top (Overhead) View



## Front Shear Schematics: Side View

