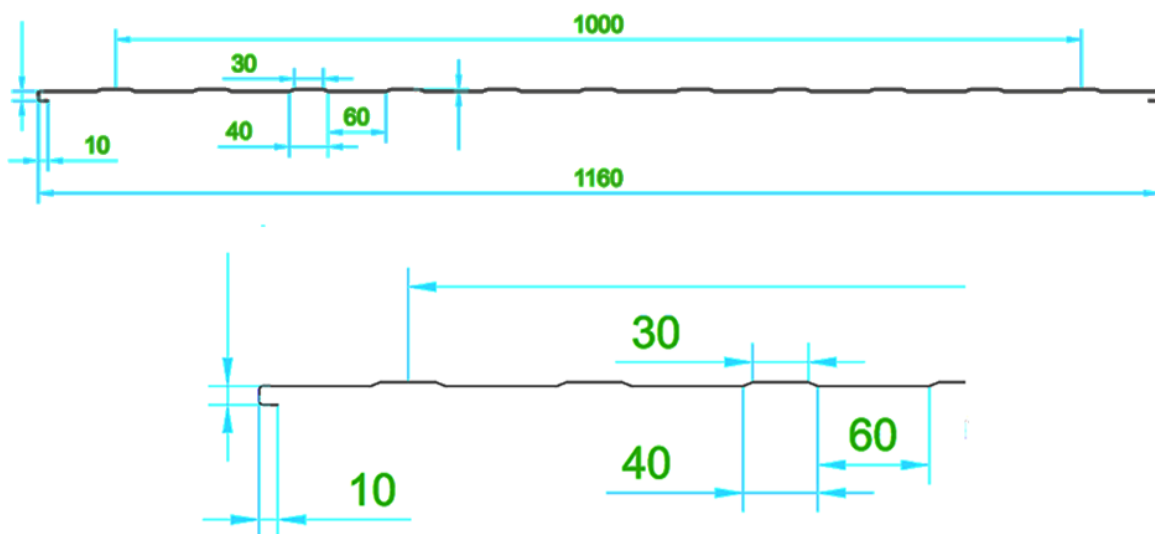


## LINEAR & LOW RIB ROLL FORMING MACHINE Model: RF10-100-1160

**WORKPIECE SAMPLE:**

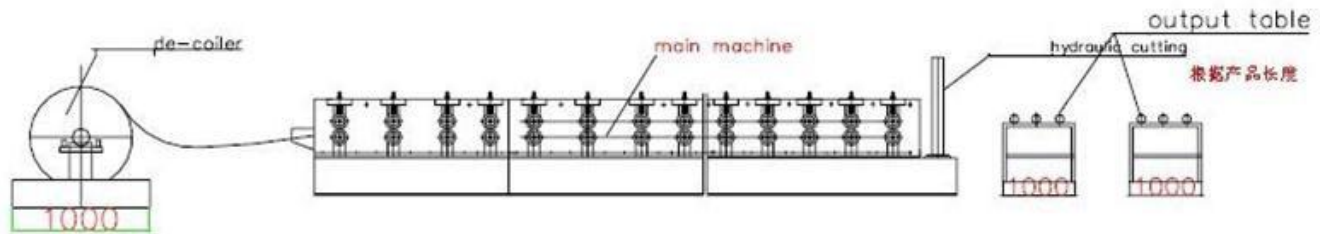


**WORKPIECE DRAWING:**



### MACHINE LAYOUT:

Hydraulic de-coiler---Material guiding---Roll forming ----- PLC Control Hydraulic Cut to Length System---- Finish



### TECHNICAL PARAMETERS:

#### Roll Forming Machine (linear)

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| <b>Model</b>            | <b>: RF10-100-1160</b>                             |
| Rolling Speed           | : 0-10m/min (not include cutting time)             |
| Rolling Thickness       | : 0.4-0.8 mm                                       |
| De- Coiler              | : 5 tons manual de-coiler                          |
| Tolerance               | : 3m+-1.5mm                                        |
| Roller Stations         | : 9 stations                                       |
| Roller Material         | : 45Cr forge steel, CNC lathed, hard chrome coated |
| Shaft Material and Dia. | : $\phi$ 65mm, material is 45# forge steel         |
| Main Motor Power        | : 3 Kw                                             |
| Electric Source         | : 380V, 50HZ, 3 phase                              |
| Hydraulic Station Power | : 4kw                                              |
| Control System          | : PLC (Panasonic)                                  |
| Hydraulic Pressure      | : 10Mpa                                            |

|                                 |                              |
|---------------------------------|------------------------------|
| Material Of Cutting             | : Cr12Mov ,quenching 58-62°C |
| Way Of Drive                    | : 1 inch single chain        |
| Size of the machine (L x W x H) | : 2.2m x 1.5m x 1.5m         |

#### **MACHINE FEATURES AND COMPONENTS:**

1. The structure is simple and the appearance of the machine is beautiful because we adopt the shape-steel structure and process as a whole after welding. It has the ability of strong loading and stable operation when running the machine.
2. All the components of machine are from brand-famous enterprise so that they ensure the machine normal function very effectively.
3. We adopt the automatic length-fixed forming and cutting to guarantee the length to be precise and the finished product is clear without deforming.
4. It is very easy to install the equipment and suitable for producing in the factory.

5. The machine has features of low noise and high efficiency.

#### **CUTTING:**

1. Cutting motor: The main machine automatically stops and then cutting. After the cutting, the main machine will automatically start.
1. Material of blade: GCR12with heat treatment
2. Length measuring: Automa5c length measuring
3. Tolerance of length: +/- 1.5mm

#### **CONTROL BOX: PANASONIC BRAND**

1. Voltage, Frequency, Phase: 380 V, 50 Hz, 3Phase (this is can depend on customer request)
2. Automatic length measurement
3. Automatic quantity measurement
4. Computer used to control length & quantity. Machine will automatically cut to length and stop when required quantity is achieved
5. Length inaccuracy can be amended easily.
6. Control panel: Bu\_on-type switch and touch screen.
7. Unit of length: mm (switched on the control panel)

