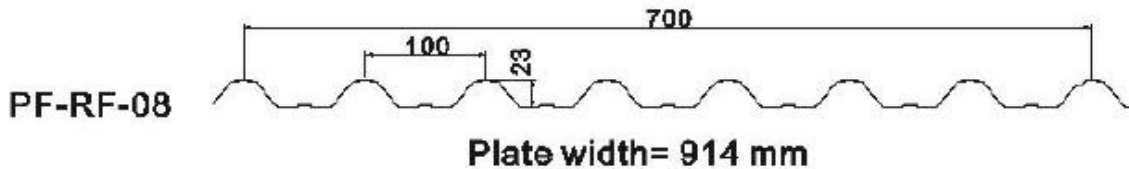


## Roof Sheet Forming Machine

### A) Drawings For Reference:

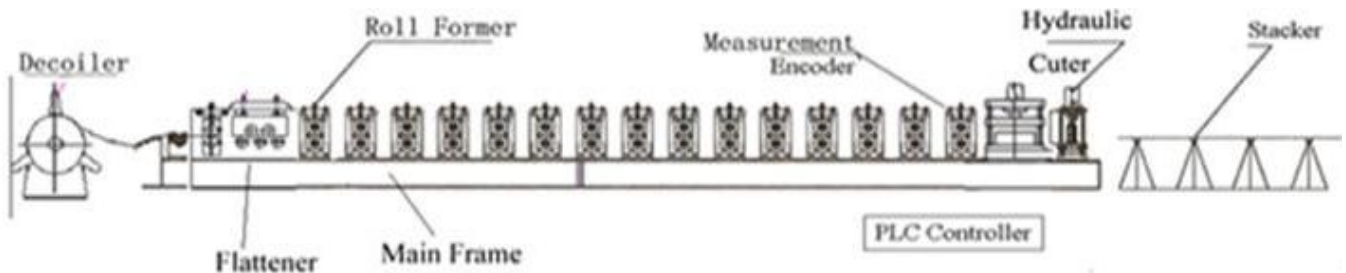


### B) Summary

- Rolling Stands: 15 groups
- Working Speed: 10-15 m/min
- Main Power: 5.5 KW
- Voltage: 380V, 3 Phase 50Hz ( or according to customers local requirement )
- Machine Weight: about 4.8 Ton
- Machine Dimension: about 8500mm(L) x 1500mm(W) x 1200mm(H)

### B) Work Flowing

Decoiler --- Feeding Guide --- Roll Forming --- Cut-to-length --- Run out table



### D) Equipment Components

- Decoiler
- Feeding guide
- main roll forming system
- Hydraulic cutting device.
- Hydraulic Station
- PLC computer control
- Runout Support Table

### E) Technical Data

#### 1. Decoiler

- Decoiler Type: Manual Decoiler manual expanding, passive uncoil

- Weight Capacity Of Decoiler: 5 Ton

## **2. Roll Forging**

- Raw Material: Color steel, GI coil
- Raw Material Thickness: 0.3-0.8mm
- Raw Material Width: 914mm
- Main Motor Power: 5.5 KW
- Roller Stands: 15 Groups
- Machine Frame stand: Welded structural steel
- Thickness of Frame Steel: 18mm
- Type of forming machine: Chain transmission
- Material of Roller: High grade 45# forge steel, Polished and coated with 0.05mm Chrome Surface.
- Transporting Type: 1.2' Chain Transmission
- Material Of Chain: High Grade 45#, Heated and quenched HRC 45-50
- Main Axis Material: High grade 45#
- Axis Diameter: 75mm

## **3. Cutting Device & Hydraulic Station**

- Type of Cutting: Hydraulic cutting
- Material Of Blade: C r 12
- Cutting Tolerance: +/-2mm
- Heat Treatment of Cutting Blade: HRC 50-60
- Hydraulic Motor Power: 2.2 Kw

## **4. Electrical System**

- Electrical Control: PLC Frequency Control System with touch screen
- PLC Brand: Japanese Panasonic Brand
- Encoder Frequency Control System: Omron Brand
- Transducer: ABB

- Size of PLC Control Board: 700mm(L)x1000mm(H)x300mm(W)
- Electrical control system: Japanese Panasonic PLC Board

#### 5. Runout Table

- Length: 4 Meters
- 45# c shape steel welded together

#### F) Similar Machine Picture For Reference



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