

## C Purlin Roll Forming Machine

### A) Summary

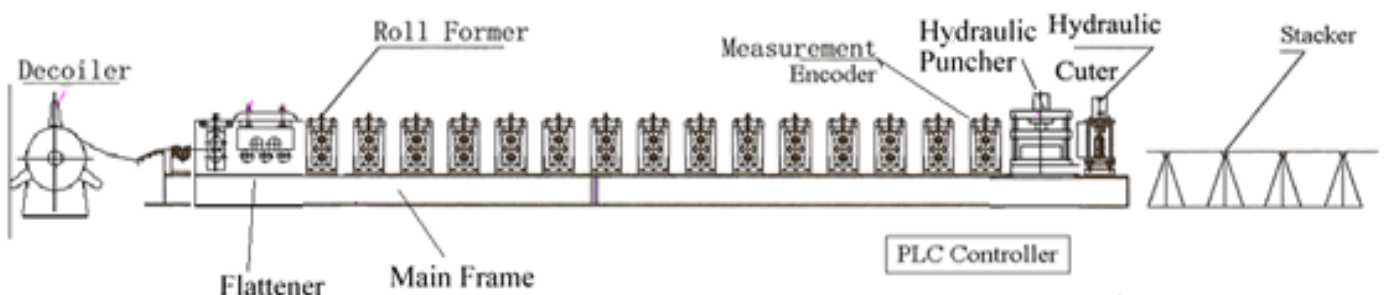
- Material: G.i Coil or Carbon steel
- Material Thickness: 1.5-3mm
- Main Power: 15KW
- Forming Station: 14
- Machine Diameter: about 11500mm(L)x1500mm(W)x1300mm (H)
- Weight of machine: about 10 Ton

### B) Main Parts

- Manual Decoiler ----- 1 unite
- Leveling and Feeding Guide ----- 1 unite
- Roll Forming System ----- 1 unite
- Hydraulic Punching & Cutting ----- 1 unite
- Hydraulic Station ----- 1 unite
- PLC Control System ----- 1 unite
- Run-out Table ----- 1 unite

### C). Working Flowing

Manual Decoiler ---- Feeding guide & Leveling Device ---- Roll Forming ----  
Punching & Cutting ---- Run out table



### D). Technical Data

#### 1). Decoiler

- Decoiler Type: Manual decoiler
- Weight Capacity Of Decoiler: 5 Ton

- Passive uncoil
- Manual expansion

## 2). Levelling and Feeding Device

- Function: It is used to release the head of coil and feed into the punching machine, making the coil straight and flat after decoiling.
- Structure: It includes one pair of dynamic horizontal rollers (levelling rollers) and two pairs of dynamic vertical rollers (pinch rollers). The pinch rollers can rise and fall accordingly, so as to adjust the leveling clearance and leveling dip angle. Five-roller leveling, screw mandrel adjusting, and frequency conversion speed-regulating make it work.
- Rollers for levelling: 5 rollers
- Feeding rollers: 2 groups feed rollers

## 3). Roll Former

- Roll Diameter: 75mm
- Forming Roller stand: 14 Groups
- Main Axis material: First grade 45# steel, heated and quenched
- Roller material: GCr15 Steel, Quenched and heated process
- Forming Speed: 8-14 m/min
- Drive Type: 1.5" Chain of transmission
- Chain Material: 45# steel.
- Machine Frame stand: Welded structural steel
- Machine Base: 36# H steel
- Thickness of Frame Steel: 18mm
- Main Power: 15KW

## 4) Punching & Cutting Device & Hydraulic Station

- Cutting type: Hydraulic cutting
- Punching Type: Hydraulic Punching
- Hydraulic power: about 11 Kw
- Hydraulic Pressure: 20Mpa
- Hydraulic Blade and cutter material: C r12 Mov, quenching process
- Cutting length tolerance: +/- 2mm
- **Cutting Module: 4 sets**

## 5). Electrical System

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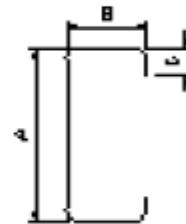
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- Voltage: 380V, 3 Phase 50Hz
- PLC Electrical control system: Japanese Panasonic PLC Board
- Encoder Frequency Control System: Omron Brand
- Touch Screen: Panasonic Brand
- Transducer: ABB
- Size of PLC Control Board: 700mm(L)x1000mm(H)x300mm(W)

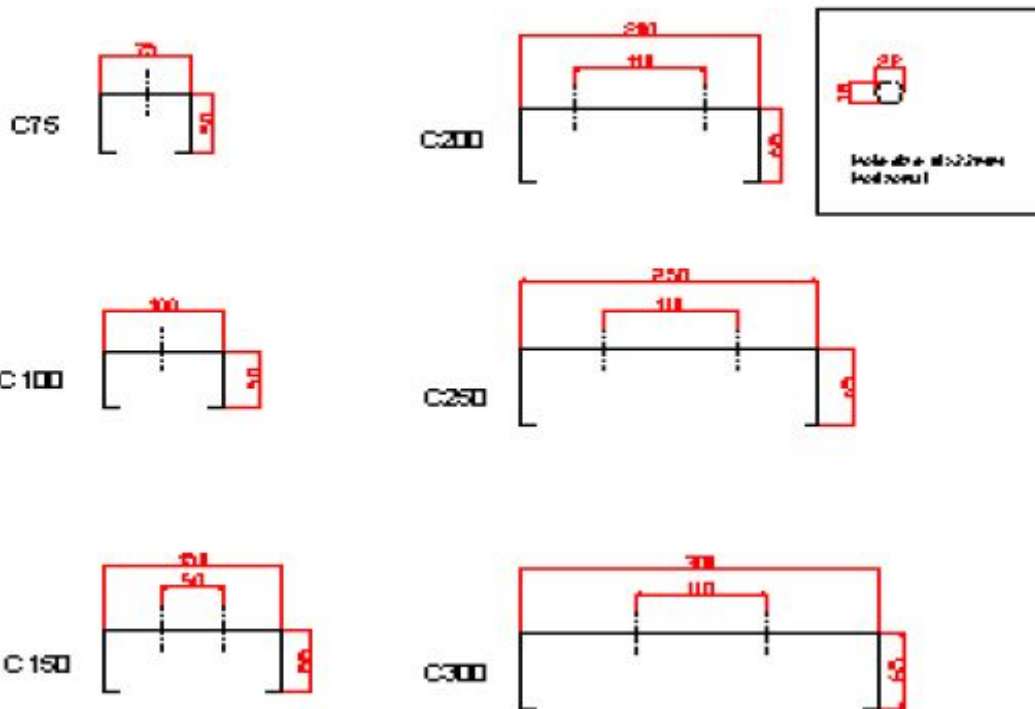
## E) Drawing for reference

### C PURLIN DIMENSIONS

TYPE	A	B	C (max)	width coil
C75	75mm	50mm	20mm	190mm
C100	100mm	50mm	20mm	215mm
C150	150mm	50mm	20mm	265mm
C200	200mm	65mm	20mm	345mm
C250	250mm	65mm	20mm	395mm
C300	300mm	65mm </td <td>20mm</td> <td>445mm</td>	20mm	445mm



PUNCHING POSITIONS



**F). Payment Term and condition**

- Price: **FOB Shanghai USD29900/set-**
- Payment Term: 30 T/T in advance, 70% T/T before shipment
- Delivery Time: Within 50-65 Days after receipt of the down payment
- Warranty: 1 year and life-long maintenance
- Installation and debugging: We will send professional engineer to make installation and debugging, Buyer pay our engineer each one 50 usd/day, and provide accommodation and the round-trip ticket fee.
- Installation days: about 3 days
- Loading: 1x40' container

**G). Similar machine pictures for reference:**

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