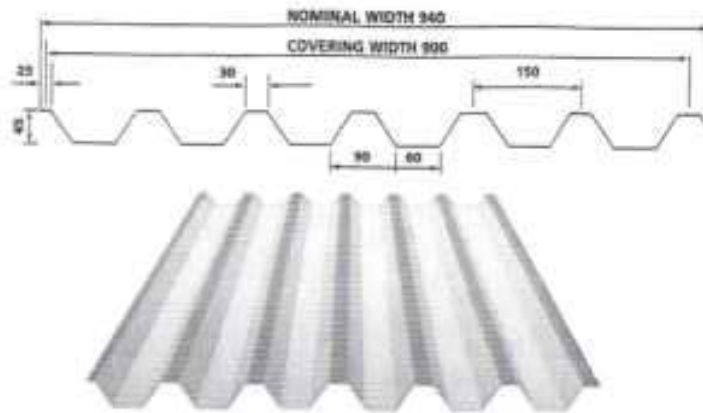


2. Specifications

A) YX 45-150-900 Deck floor roll forming machine

1. Profile Drawing



2. Technical Data

- Material size : 1.250mm (W) x (0.7~1.4mm T) x L
- Yield Strength : ≤G550MPa
- Machine Type : Single Roll forming type
- Working speed : 12m~15m/min
- Uncoiler : Hydraulic type; Max. 10ton capacity
- Roll Qty : 36 stages
- Roll Material : High quality 40Cr forged steel to machine and with high frequency quenching treatment, and with the hard chrome plating.
- Shaft material : 45 Cr quenched and tempered.
- Shaft Diameter : DN85
- Main motor power : 11Kw x 2 with Siemens motor
- Hydraulic motor power & Pressure : 4Kw & 16Mpa
- Cutting blade material : Cr12 with Quenching treatment
- Cutting length Tolerance : ≤1.5mm
- Machine dimension : 14,500mm (L) x 1,650mm (W) x 1,480mm (H).

3. Electric control system

- Electric Control system :
 - PLC, touch screen brand : Panasonic
 - Encoder Brand : Japan Omron
 - Frequency converter : Japan Yasukawa
- Voltage, Frequency, Phase: 380 V, 50 Hz, 3Phase (depend on customer request)
- Automatic length measurement
- Automatic quantity measurement
- Computer used to control length & quantity.
Machine will automatically cut to length and stop when required quantity is achieved
- Length inaccuracy can be amended easily.
- Control panel : Button-type switch and touch screen
- Unit of length : millimeter (switched on the control panel)

4. Cutting unit by Hydraulic

- Cutting motion : The main machine automatically stops and then cutting. After the cutting, the main machine will automatically start.
- Material of blade : GCR12with heat treatment
- Length measuring : Automatic length measuring
- Tolerance of length : $\pm 1.5\text{mm}$

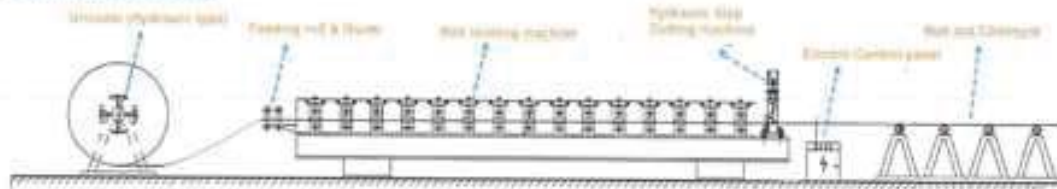
5. Production Process

- Hydraulic Uncoller (driving type)
- Feeding roll & Leveler, Guiding
- Roll forming
- Cutting by Hydraulic
- **Exit conveyor (12m length)**

6. Main features and components of the machine

- 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.
- All the components of machine are from brand-famous enterprise so that they ensure the machine normal function very effectively.
- We adopt the automatic length-fixed forming and cutting to guarantee the length to be precise and the finished product clear without deforming.
- It is very easy to install the equipment and suitable for producing in the factory.
- The machine has features of low noise and high efficiency

7. Machine Layout

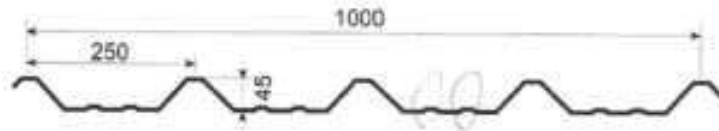


8. The related Photo



**B) YX 45-250-1000 & YX 32-333.3-1000 Roll forming machine
(Combo type – Double stages)**

1-1. YX 45-250-1000 Profile Drawing



1-2. YX 32-333.3-1000 Profile Drawing



2. Technical Data

- Material size : 1,220mm (W) x (0.3~1.0mm T) x L
- Product Width : 1,000mm
- Machine type : Combo type (Double stages)
- Yield Strength : $\leq 550\text{MPa}$
- Working speed : 10m~14m/min
- Uncoiler : Hydraulic type. Max. 10 ton capacity
- Roll Qty : Approx. 20 stages
- Roll Material : High quality 45 # forged steel to machine and with high frequency quenching treatment, and with the hard chrome plating (30micron)
- Shaft material : High quality 45 # forged steel quenched and tempered.
- Shaft Diameter : 75mm
- Main motor power : 7.5Kw x 2 with Siemens motor
- Hydraulic motor power & Pressure : 3Kw & 10~18Mpa
- Cutting blade material : Cr12 with Quenching treatment
- Cutting length Tolerance : $\pm 1.5\text{mm}$
- Machine dimension : Approx. 11,000mm (L) x 1,700mm (W) x 1,500mm (H)

3. Electric control system

- Electric Control system
 - PLC, touch screen brand : Panasonic
 - Encoder Brand : Japan Omron
 - Frequency converter : Japan Yasukawa
- Voltage, Frequency, Phase : 380 V, 50 Hz, 3Phase (depend on customer request)
- Automatic length measurement
- Automatic quantity measurement
- Computer used to control length & quantity.
Machine will automatically cut to length and stop when required quantity is achieved
- Length inaccuracy can be amended easily.
- Control panel : Button-type switch and touch screen
- Unit of length : millimeter (switched on the control panel)

4. Cutting unit by Hydraulic (2 sets)

- Cutting motion : The main machine automatically stops and then cutting. After the cutting, the main machine will automatically start.
- Material of blade : GCR12with heat treatment
- Length measuring : Automatic length measuring
- Tolerance of length : $\pm 1.5\text{mm}$

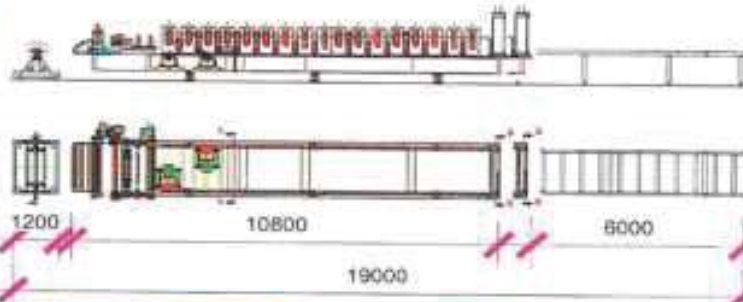
5. Production Process

- Hydraulic Uncoiler (driving type) - 1 set
- Feeding roll & Leveller, Guiding - 1 set
- Shearing machine - 1 set
- Roll forming - 2 sets
- Cutting by Hydraulic - 2 sets
- Exit conveyor - 1 set (12m length)

6. Main features and components of the machine

- 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.
- All the components of machine are from brand-famous enterprise so that they ensure the machine normal function very effectively.
- We adopt the automatic length-fixed forming and cutting to guarantee the length to be precise and the finished product clear without deforming.
- It is very easy to install the equipment and suitable for producing in the factory.
- The machine has features of low noise and high efficiency

7. Machine Layc



8. The related P!



3. Installation & Maintenance