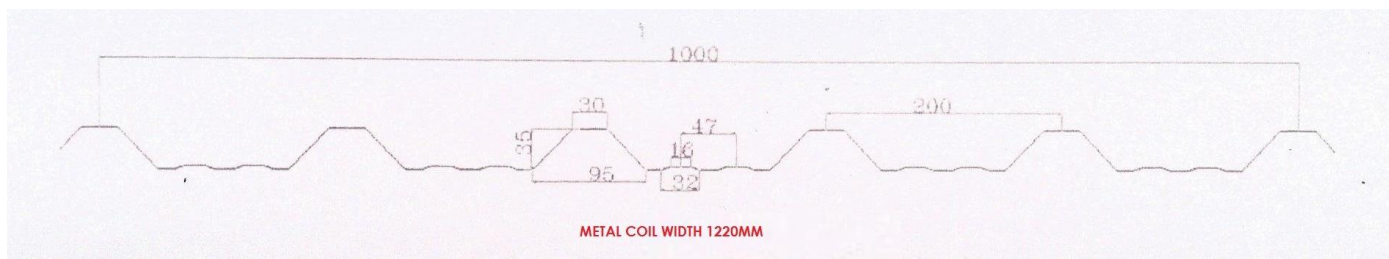


ROLL FORMING MACHINE FOR ROOFING PANEL MODEL : YX35-200-1000 PROFILE



PROFILE DRAWING:



MATERIAL:

Material Thickness : **0.3-0.6mm**
Feeding material width : 1220mm
Applicable material : Galvanized Steel Sheet, PPGI with 245Mpa-350Mpa Yield Strength

MACHINE COMPONENTS:

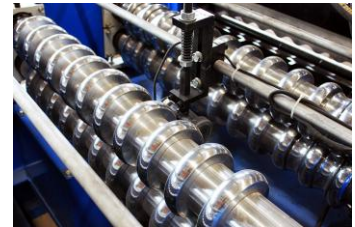
1) **Manual** Decoiler: one set

Un-powered, Manually control steel coil inner bore shrinkage and stop,
Max Feeding width: 1000mm, coil ID range 508r
Capacity: Max. 5 Ton



2) **Main machine**

With feeding material guide, body frame made from **H350 type steel** by welding;
Sideboard thickness: 14mm
Rollers manufactured from 45# steel, CNC lathes, Heat Treatment, **hard Chrome Coated with thickness 0.04mm, surface with mirror treatment (for longer life and anti-rust);**
Shafts Diameter = $\phi 75\text{mm}$, precision machined
Motor driving, Gear/Sprocket transmission, about **20-step** to form
Main Motor = **7.5KW**, Frequency speed control
Forming speed approx. 15m/min



With manual precutter for easy operation and save material: The precutter is connected with PLC control system, PLC is calculating profile length within roll forming. Once material is required to change, PLC is calculating the length for total quantity and remind operator, production finishes and able to manual shearing material before roll forming so as to change material for new production. **It is the advanced function and good for production to save material, no waste.**

3) **Hydraulic Cutting device:**

Post cut, stop to cutting, Two pieces cutting blades, **no blanking**
Hydraulic motor: 2.2KW Cutting pressure: 0-10Mpa
Cutting tool material: Cr12, Heat treatment

4) **PLC Control System**

Control the quantity and cutting length automatically
input the production data (production batch, pcs, length, etc.) on the touch screen, it can finish the production automatically.

Combined with: PLC, Inverter, Touch Screen (have English version), Encoder, etc

PLC: **Delta brand (Taiwan)**

Inverter: **Shilin/Delta/Alpha brand (Taiwan)**

Touch Screen: **WEINVIEW brand (Taiwan)**

Encoder: **KOYO/Omron brand (Japan)**

Cut-to-length tolerance $\leq \pm 2\text{ mm}$

Control Voltage 24V



5) Exit Rack Un-powered, two units



FLOW DIAGRAM

