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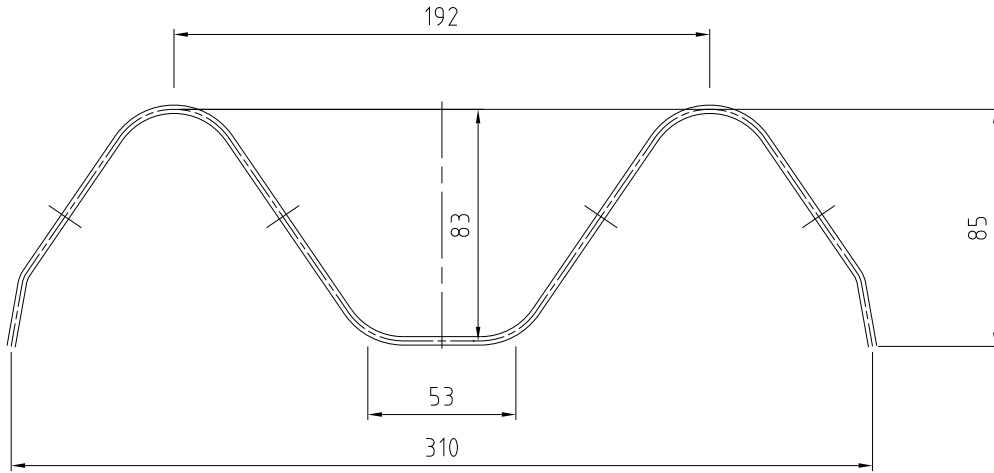
QUOTATION

From: Carissa Wong

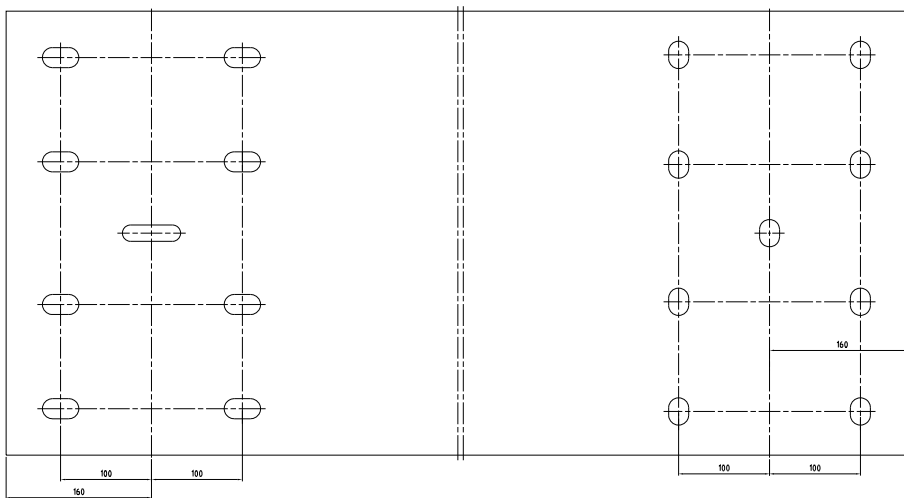
Item No: Guard Rail Forming Machine Line
Price: US\$61,700
Trade Terms: FOB Shanghai
Lead time: 90 days after being paid for advanced 30%
Payment terms: T/T, 30% to be paid after the order confirmed, 70% to be paid before shipment.

The profile

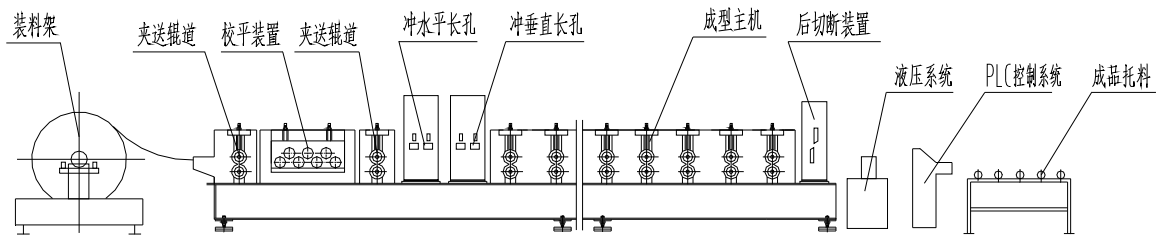
The thickness of sheet: 2.5mm---3.5mm



Punching:



The equipment flow



The production flow of equipment

Decoiling— Feeding(take the sheet to the first station) —leveling----
 Punching of the sheet — roll forming----hydraulic cut to length —product
 run out table

The structure of equipment

1, decoiler

- Single unrolling machine, one side can put material
- Coil weight (Max):5000kg
- Coil dia (Max):1600mm
- Coil Width(Max.):500mm

2, feeding, leveling

- feed into unit oriented wheel(can right and left adjust)
- into feeding roller, dia is $\varnothing 180\text{mm}$, material 45# steel, quenched $48^{\circ}\text{-}52^{\circ}$, chromed
- leveling is three roller above and four roller below, quenched and chromed

3, punching (can right and left adjust)

- using hydraulic punching
- oil cylinder dia: $\varnothing 140\text{mm}$
- working pressure:20mpa
- mould material: Cr12 quenched $58^{\circ}\text{-}62^{\circ}$

- hydraulic power:7.5kw
- size: 1.5m long*1.1m wide*1.2m high

4,roll forming

- main motor power: 45kw
- Decelerating motor: BWD14-43-37kw, made in Shanghai or Changzhou
- drive: gimbal driving,120*500
- main shaft dia: \varnothing 100mm material: 45 # forge steel
- roller material: GCR15 quenched 58°-62°,chromed
- roll station:17stations
- Timing by transducer:5m--20m/min(not including punching)

5, cutting

- hydraulic cut
- knife material: Cr12,quenched 58°-62°
- oil cylinder dia:250mm
- working pressure:30mpa
- working journey: 80mm

6, the Outside size:

- 18m long*2.2m wide*1.5m high

7, Run out table

- Jointed by 60mm*40mm tube (can be adjusted to up and down)
- size:1.5mlong*0.8mwide*0.6-1mhigh(can be adjusted)

8, Control panel (Panasonic)

- Control system
 - (1) Voltage, Frequency, Phase: **380 V, 50 Hz, 3Phase**
 - (2) Automatic length measurement: one unit tooling of length measuring which is lightly pressed on the surface of the steel sheet; the tolling will roll with the moving speed of the steel sheet and then sense to measure its length.
 - (3) Automatic quantity measurement
 - (4) Computer used to control length & quantity. Machine will automatically cut to length and stop when required quantity is achieved

.Warranty: 1 year warranty from date of shipment

Guarantee:

1:Guaranteed against malfunctions due to manufacturing defects for 1 year after date of purchase.

Repairs will be made free of charge.

2:Repairs will not be performed free of charge even during the guarantee period in the follow circumstances

- damage occurs due to a natural disaster
- malfunction occurs due to user error
- malfunction occurs due to modifications
- malfunction occurs due to further movement or shipment after installation

3:Air ticket, transportation cost, hotel, meals and 30\$ per day shall be for purchaser's account if manufacturer's engineer has to be send to purchaser's factory to maintain the machine during the guarantee period.



