

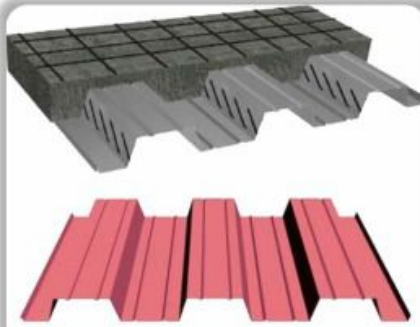


# MAXAN

ROLL FORMING MACHINES



Color Coated Roofing



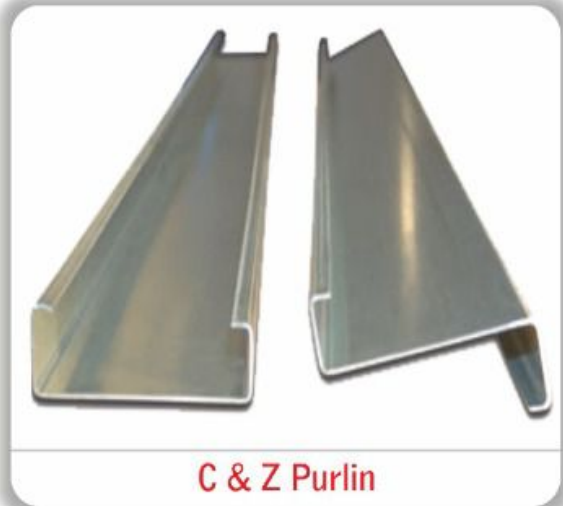
Deck Sheet



Highway Guard Rail (W-Beam)



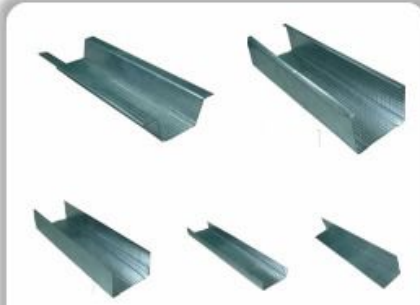
Door Frame



C & Z Purlin



Cable Tray



Pop Chenal



Shutter Patti



## MAXAN ROLL FORMING MACHINES



### ROOF SHEET CRIMP CURVING & ACCESSORIES MACHINE

Crimping Machine Is Useful To Crimp, Bend Final Profile As Per Client's Need. Said Machine Is Fully Automatic And Profile Drawing

### DECOILER APPLICATION

De-coiler is provided to load Raw material coil on its arms & Hold the coil and also in loop area store the raw material before in process.

### HYDRAULIC DE-COILER



### CONSTRUCTION:

All steel body Construction  
Mandrel rotation on taper Roller/Spherical Roller Bearings  
Mandrel expansion by : HYDRAULIC CYLINDER  
Loop System : Motorized with 2 Limit switch  
Breaking : Simple Brake

### TECHNICAL SPECIFICATION:

Max. Width of Coil Can be loaded : 1450 mm  
Min. width : 500 mm  
Mandrel face length : 1450 mm  
Drum nominal dia. : 500 mm  
Drum Expansion range : 470 to 530 mm  
Max. Weight of coil can be loaded : Ton  
Motor A.C : 5 Hp  
Gear Box : 24:1 (Inline Helical Out. Torque 500 Nm)

### TECHNICAL DATA

Main Shaft Material En-8	: Dia. 200mm X 2200mm
4 - jow	: 20 Th. X 200mm width X 145mm Length
Expand & Collapse system	: Ingesh type mounting in precision pin : (Harden & Grinding)
Spherical Roller Bearing	: 2 Nos. (Both side)
Side Plat	: 20mm Thickness
Drive	: V Belt 4 Nos. Extra 2 Nos. (V Belt Pulley)
Helical Gear Motor	: Premium & ABB (5 H.P.)
Hydraulic jack	: 200mm Stroke Length X 120mm Bore Dia.
Hydraulic Power pack	: 100 ltr.
Hydraulic Pump	: 40 LPM (Yuken) 1 Nos.
Hydraulic NRV Check valve	: 1 Nos. (Presser hol ding purpose) (Yuken)
Solenoid valve	: 1 Nos.
Presser Control valve	: 1 Nos. (Yuken)
Presser Indicator	: 1 Nos.

### CRIMPING MACHINE PATARA







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## ROOF SHEET ROLL FORMING MACHINE



### GENERAL SPECIFICATION

Line offered is designed to process material as below:

Type of material to be Processed	: PPGL / PPGI / NCGI
Yield Strength	: 550 MPL
Length Of Profile Sheet	: 6 Feet to No Limit
Total Connected power required	: 20 KW
Max Power Consumed at time	: 14 KW
Max. Width of Coil	: 1450 mm
Min. Width of Coil	: 500 mm
Max. Thickness of Coil	: 0.8 mm
Min. Thickness of Coil	: 0.30 mm
Max. Weight of Coil	: 5000 Kg.
Variable Line Speed	: 0 to 15 mtr/min
Automation level in performance	: P.L.C. Controlled Length
Accuracy Level	: Length : +/- 2 mm

### ROLL FORMING LINE - APPLICATION

Roll forming consist pairs of contoured roll tools. While the coil stock is passing through succession contoured rolls the material bends to its desired shape, after final shape is achieved profile straighter gives straightness to out going profile.

### CONSTRUCTION

- Fabricated machined bed.
- Stand Steel cast type work station option.
- All roll shafts mounted on ball and taper roller bearing
- Roller shaft material MS Round Vivan make.
- Entry guides with vertical guide rolls & all lateral movement manual screw type.
- Intermediate side guide rolls provided where required.
- Roll tooling are made of Forged steel ground to close tolerance.
- For sensitive surface material like preprinted coil, aluminum, stainless steel, brass Etc. rolls are chrome plated as option.
- Roll tooling manufacturing on C.N.C machines.
- Drive Mechanism will be Chain drive.

### TECHNICAL SPECIFICATION

No. of workstation (Trapezoidal)	: 24
Max. Width of coil	: 1450 mm
Min. Width of coil	: 900 mm
Max. Thickness of coil	: 0.8 mm
Min. Thickness of coil	: 0.35 mm
Centre distance of lower shaft to base plate	: 150 mm
Horizontal distance between two stations	: 420 mm
Max. Vertical Cent. Dist.	: 300 mm
Between lower & upper shaft	
Min. Vertical Cent. Dist. Between lower & upper shaft	: 143 mm
Max. roll shafts Dia	: 80 mm
Max. height of profile	: 100 mm
Max. line speed	: 15 MPM
Drive Gear Box	: 1 Nos. (Premium)
Motor	: 15 Hp (A.C.) ABB

### TECHNICAL DATA

Stand Mounting Plate	: 40 X 40 mm Brightbar
Housing	: Ball Bering & Taper Bearing 2 Flange Housing
Shaft	: Dia. 80 MS Material (Turning, Grinding)
Roller	: MS Forged (CNC Turning, Key way, Hardning, Grinding, Hard Crome) Roller & Shaft Assy. 0.05mm Tolerance
Drive	: 1 Gear Box (Premium / Impel) 2¼, 20:1, Out. Torque 161 mm
Motor	: 15 Hp. (ABB)
Entry Gauge	: 900 mm to 1450 mm (Sliding on Shaft & Bushing System)

### FORMING ROLLERS:

Forming Rollers made of MS FORGED material super polished for long file & even production without marking on profile. Set consists of Forming Rollers, aligning spacers, side guide rolls. Above Configuration Rollers suitable for profile as pre following.