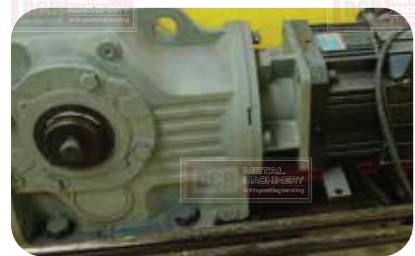


CZ Purlin Roll Forming Machine-Fully Automatic type

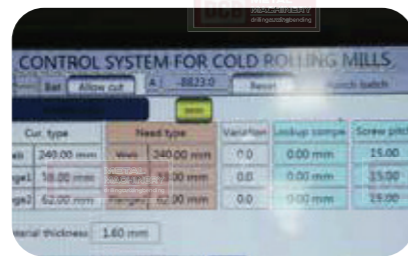


Features

1. The Next Generation Purlin Rollforming, offers the high level of Flexibility in the purlin market worldwide! Manual, Semi-Automatic or Fully Automatic – BMS Customers are able to pick the level of automation they need today and tomorrow.
2. One minute for size-changeovers (Motorized adjustments for C/U/Z/ Flange Height Control and Web Size Changeover, All servo-adjustable, automatically move IN & OUT to position the Punch in the desired location on the web). No need to change rollers, spacers and cutters like traditional machines.



Servo-Controlled Motor



Size Changeover HMI



Patented Universal Post Cutter
(With Patented Universal Post-cutter, Profile Forming More Stable)

3. BMS's patented CZ Stacking System offers the fastest cycle times, handles the full range of Cee, U and Zee purlins. The fully automated Stacker can easily be added to any new or existing Purlin Roll Forming Line.



4. BMS also offer fully automated Coil Handling Systems, and Remote Support.
5. Heavy duty design by Taiwan, more robust and more powerful than other Chinese purlin machines.

Application



Profile Drawing

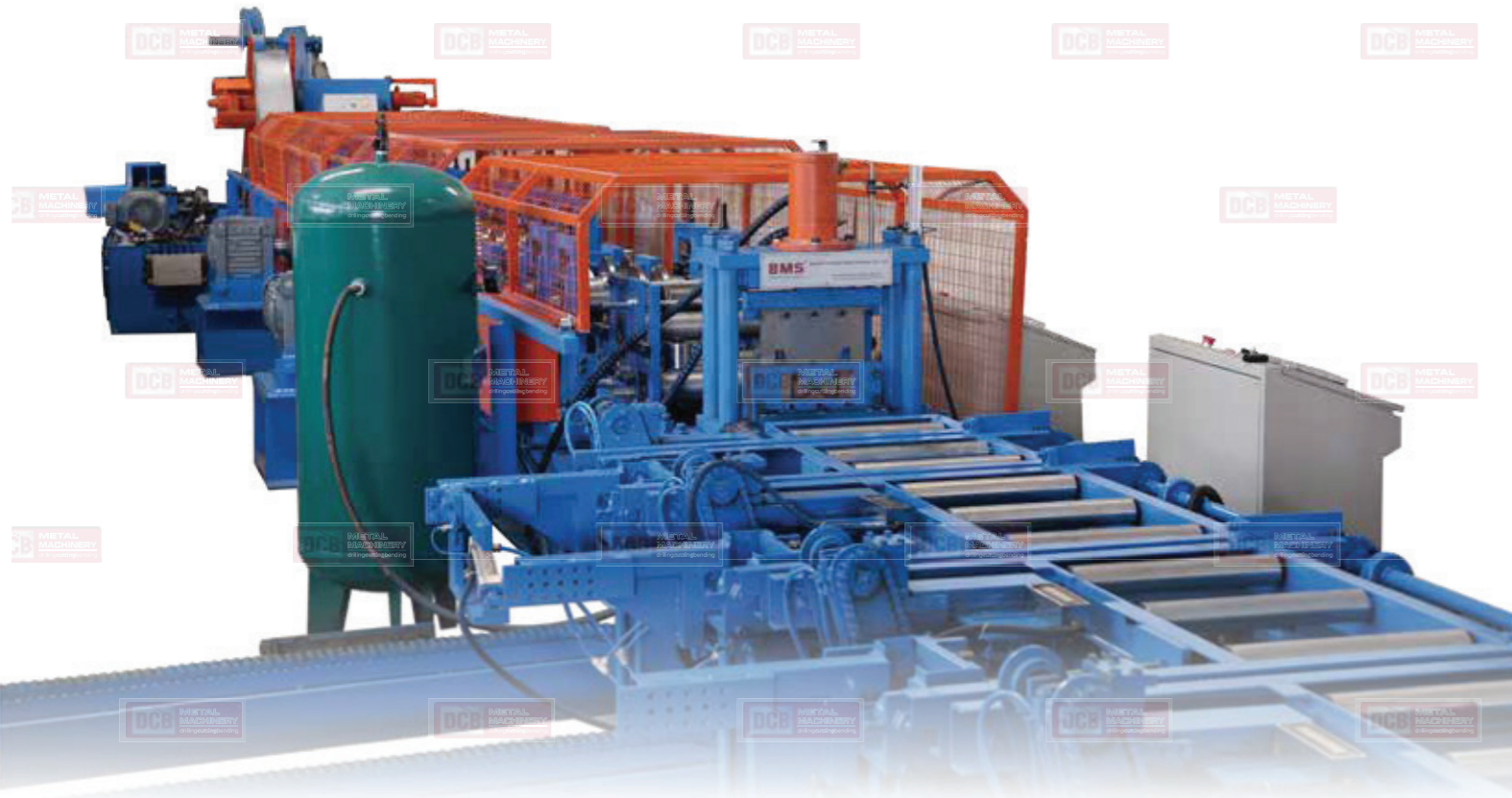


| Purlin Size | Thickness (mm) | Kg/m | WEB | FLANGE | | | | Lip | Gauge Line | Hole Size (DH x WH) | | Coil Width |
|-------------|----------------|-------|-----|----------|--------------------------------|--------------|----------|-----|------------|---------------------|--------------|------------|
| | | | | Standard | ZED : Standard CEE : Option | | Standard | | | Option | | |
| | | | | | F (+/- 2mm) | FB (+/- 2mm) | | | | | FN (+/- 2mm) | |
| Z15012 | 1.20 | 2.89 | 152 | | | | | 15 | 60 | 18 x 22 | 18 x 36 | 296 |
| Z15015 | 1.50 | 3.59 | | | | | | 16 | | | | 296 |
| Z15019 | 1.90 | 4.51 | | | | | | 17 | | | | 297 |
| Z15024 | 2.40 | 5.70 | | | | | | 18 | | | | 296 |
| Z20015 | 1.50 | 4.49 | 203 | | | | | 15 | 110 | 18 x 22 | 18 x 36 | 373 |
| Z20019 | 1.90 | 5.74 | | | 79 | 74 | | 18 | | | | 376 |
| Z20024 | 2.40 | 7.24 | | | | | | 20 | | | | 376 |
| Z25019 | 1.90 | 6.50 | | | | | | 18 | | | | 427 |
| Z25024 | 2.40 | 8.16 | 254 | | | | | 20 | 160 | 18 x 22 | 18 x 36 | 427 |
| Z25030 | 3.00 | 10.33 | | | | | | 20 | | | | 427 |
| Z30019 | 1.90 | 8.03 | | | | | | 20 | | | | 515 |
| Z30024 | 2.40 | 10.09 | | | | | | 20 | | | | 513 |
| Z30030 | 3.00 | 12.76 | 300 | | | | | 20 | 210 | 18 x 22 | 18 x 36 | 513 |
| C10010 | 1.00 | 1.78 | | | | | | 12 | | | | 219 |
| C10012 | 1.20 | 2.10 | | | | | | 12 | | | | 219 |
| C10015 | 1.50 | 2.62 | | 102 | 51 | 53 | 49 | 40 | | | | 18 x 22 |
| C10019 | 1.90 | 3.29 | | | | | | | 13 | 220 | | |
| C10024 | 2.40 | 4.20 | | | | | | | 14 | 218 | | |
| C12510 | 1.00 | 2.01 | | | | | | | 15 | 247 | | |
| C12512 | 1.20 | 2.37 | 127 | | | | | 15 | 55 | 18 x 22 | 18 x 36 | 247 |
| C12515 | 1.50 | 2.96 | | | | | | 15 | | | | 246 |
| C12519 | 1.90 | 3.72 | | | | | | 16 | | | | 247 |
| C12524 | 2.40 | 4.75 | | | | | | 16 | | | | 245 |
| C15012 | 1.20 | 2.89 | 152 | | | | | 15 | 60 | 18 x 22 | 18 x 36 | 296 |
| C15015 | 1.50 | 3.59 | | | | | | 16 | | | | 296 |
| C15019 | 1.90 | 4.51 | | | | | | 17 | | | | 297 |
| C15024 | 2.40 | 5.70 | | | | | | 18 | | | | 296 |
| C20015 | 1.50 | 4.49 | 203 | | | | | 15 | 110 | 18 x 22 | 18 x 36 | 373 |
| C20019 | 1.90 | 5.74 | | | 76 | 79 | 74 | 18 | | | | 376 |
| C20024 | 2.40 | 7.24 | | | | | | 20 | | | | 376 |
| C25019 | 1.90 | 6.50 | | | | | | 18 | | | | 427 |
| C25024 | 2.40 | 8.16 | 254 | | | | | 20 | 160 | 18 x 22 | 18 x 36 | 427 |
| C25030 | 3.00 | 10.33 | | | | | | 20 | | | | 427 |
| C30519 | 1.90 | 8.03 | | | | | | 20 | | | | 520 |
| C30524 | 2.40 | 10.09 | | | | | | 20 | | | | 518 |
| C30530 | 3.00 | 12.76 | 305 | | | | | 20 | 210 | 18 x 22 | 18 x 36 | 518 |
| | | | | | | | | 20 | | | | 518 |



M Purlin(Sigma Purlin) Roll Forming Machine

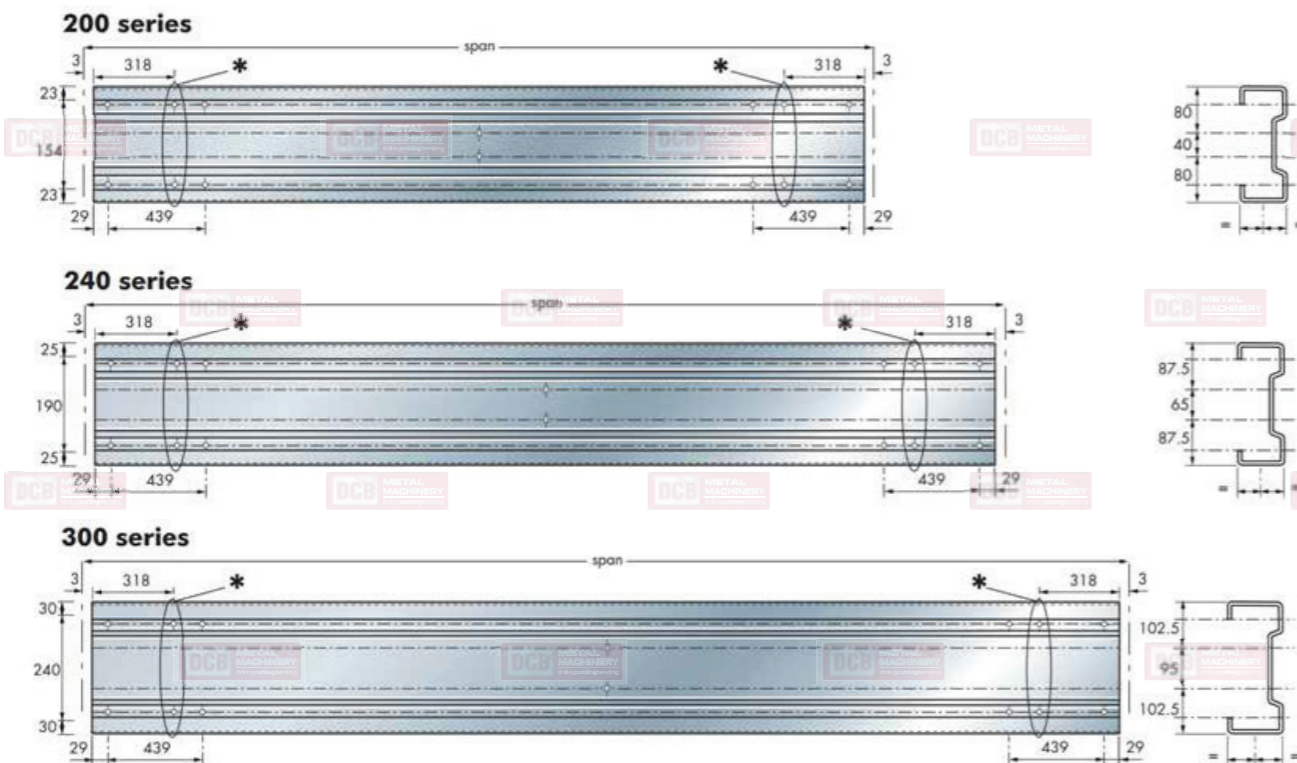
(Equipped with automatic stacker, improve working efficiency, save labor cost)



Sigma purlins have been specifically developed to minimise components, including mid span restraint requirements. The purlin sections have been analyzed, by Finite Element Analysis and the minimum construction loads as dictated by EN 1991-1-6:2005.

The table below outlines the minimum anti-sag requirements for Sigma purlins, for symmetric, duo pitched roofs. It can be seen that, for the most popular spans and roof pitches, no mid span restraint is required (subject to wind uplift considerations).

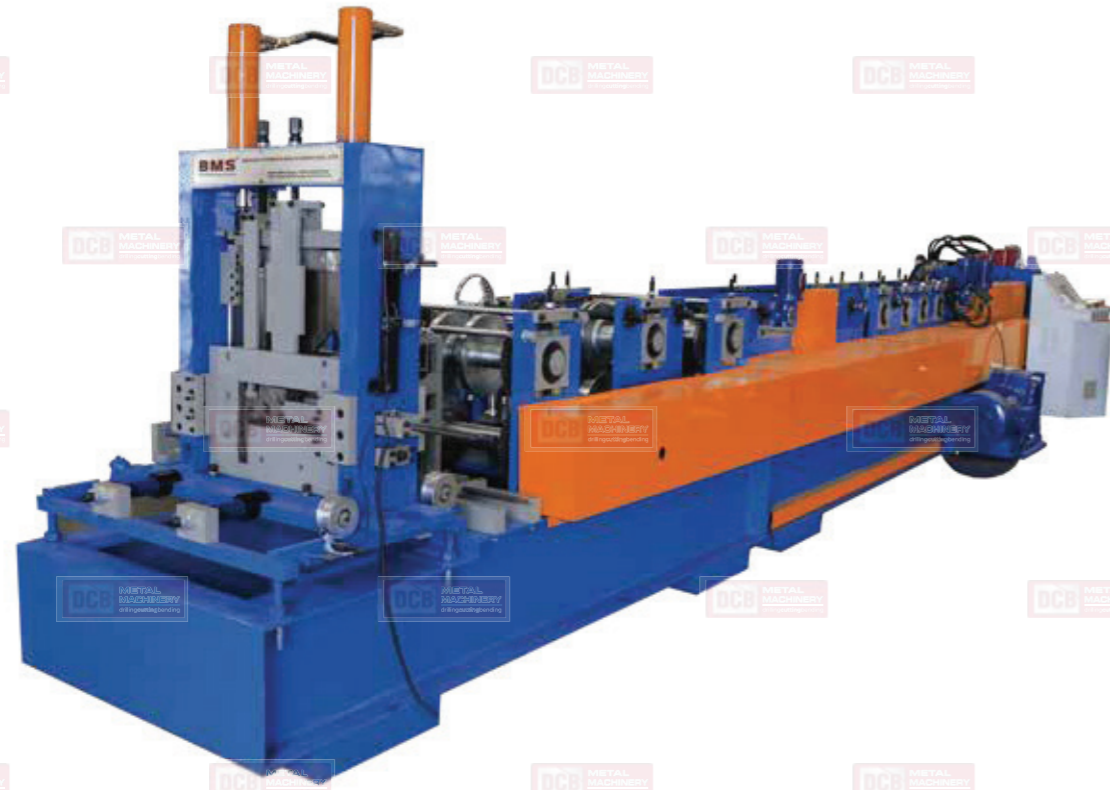
Profile Drawing



| Section Ref. | Roof Slope | Purlin Span | | | | | |
|--------------|------------|-------------|-------------|-------------|-------------|-------------|------------|
| | | 3.0m-5.0m | 5.1m-6.0m | 6.1m-7.0m | 7.1m-8.0m | 8.1m-9.0m | 9.1m-10.0m |
| 200 | >3-10 | NONE | NONE | NONE | 1 SPEED FIX | 2 SPEED FIX | N/A |
| | >10-15 | NONE | NONE | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | N/A |
| | >15-18 | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | N/A |
| | >18-25 | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | N/A |
| 225 | >3-10 | NONE | NONE | NONE | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| | >10-15 | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| | >15-18 | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| | >18-25 | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| 240 | >3-10 | NONE | NONE | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| | >10-15 | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| | >15-18 | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| 265 | >3-10 | N/A | NONE | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| | >10-15 | N/A | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| | >15-18 | N/A | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| | >18-25 | N/A | 1 SPEED FIX | 1 SPEED FIX | 1 SPEED FIX | 2 SPEED FIX | 2 STRUTS |
| 300 | >3-10 | N/A | N/A | 1 STRUT | 1 STRUT | 2 STRUTS | 2 STRUTS |
| | >10-15 | N/A | N/A | 1 STRUT | 1 STRUT | 2 STRUTS | 2 STRUTS |
| | >15-18 | N/A | N/A | 1 STRUT | 1 STRUT | 2 STRUTS | 2 STRUTS |
| | >18-25 | N/A | N/A | 1 STRUT | 1 STRUT | 2 STRUTS | 2 STRUTS |



CZ Purlin Roll Forming Machine (Semi-Automatic type)



▶▶▶ C-to-Z Purlin Changing With Following 3 Simple Operation (Finish Within 5minutes).



Loosen Locating Pin



Rotate The Adjustment Tool 180 Degree

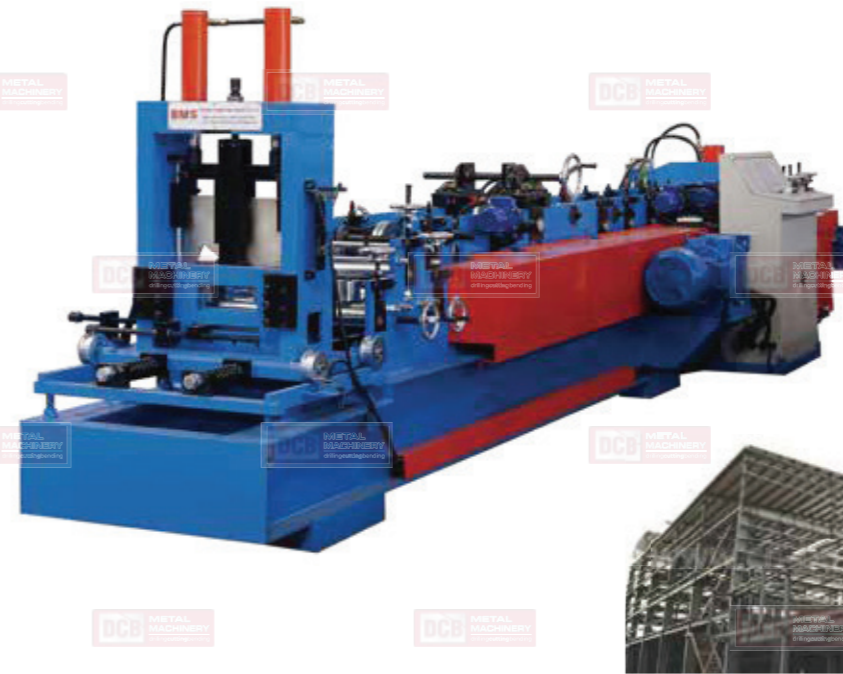


Fix Locating Pin

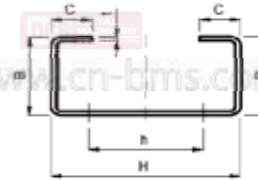
▶▶▶ Purlin Machine Workshop Batch Production



Automatic C/U Purlin Machine



▶▶▶ Profile Drawing



Lip (C): 7 ~ 15mm
Height (B): 25 ~ 60mm
Web (H): 50-250mm
Optional Rib(h): 1/3 of web
Material Thickness: 0.6 -2.0mm



Profile Sample



Changing By Spacer

Advantages Comparison With Traditional Purlin Machins

- ◆ Produce Different Purlin size Without Changing Rollers or Spacers
- ◆ No need to change Cutter For Different Size



Motor Auto -Change Type



One-Minute Size Changing

Just input the required model/size on the 7-inch colourful HMI, it can Auto-changing the Purlin C/U size in 1minute, Lip/Height/Bottom width.(No need to change rollers or spacers or cutters like traditional old style machine which takes over 90 minutes for each production size changing)

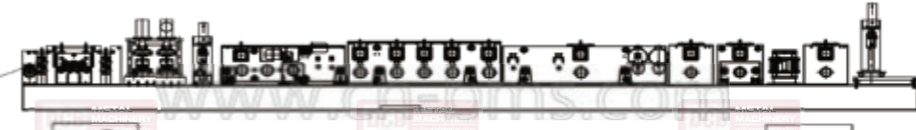


Manual Wheel QUICK-CHANGE Type (with Digit Display for Easy Adjustment)

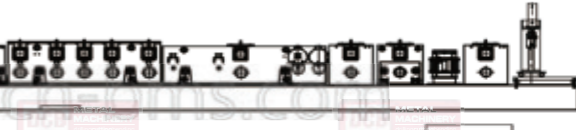
▶▶▶ Process Sketch



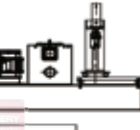
Hydraulic Uncoiler



Hydraulic Station



Main Roll Forming Mill



Post Cutter



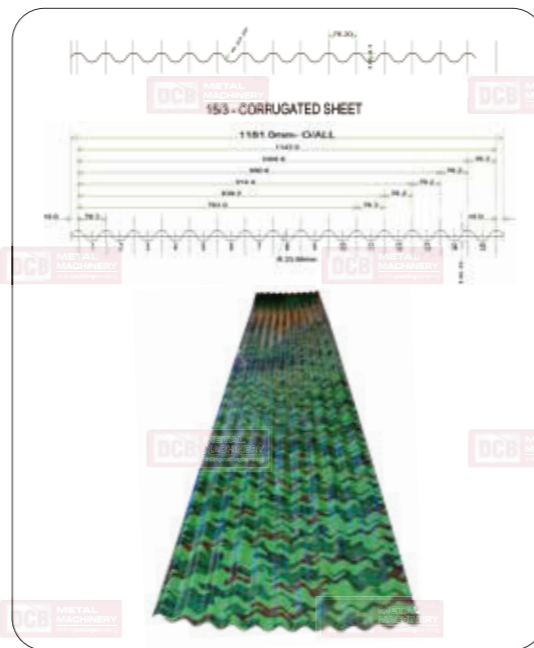
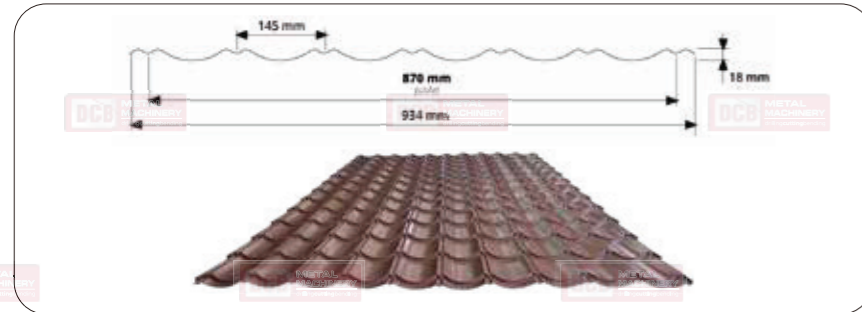
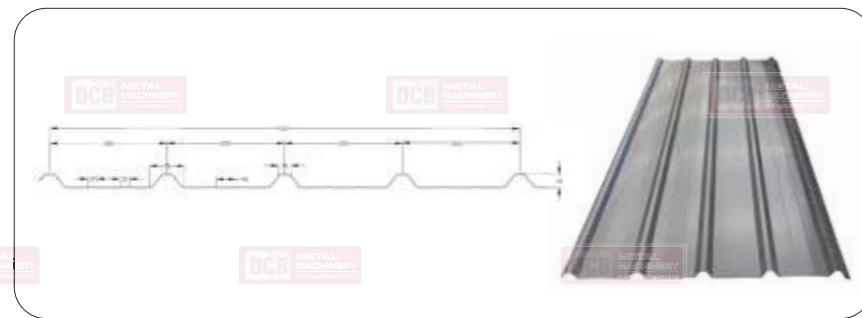
Outlet Rack



Double Layer Roof Panel Roll Forming Machine



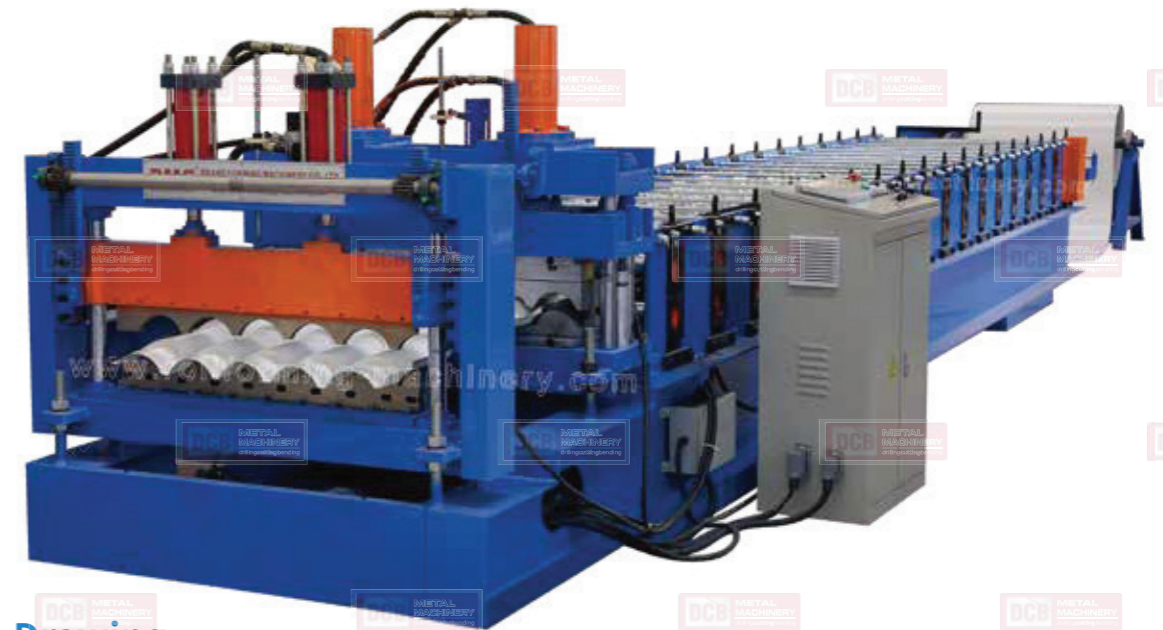
Profile Drawing (Select any 2 profiles from following 3 profiles)



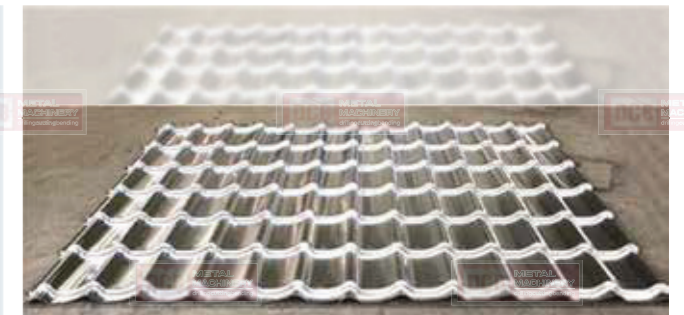
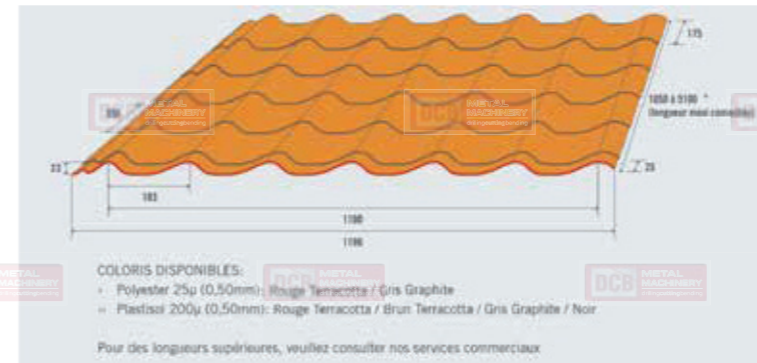
Main Panrameters

| | |
|--------------------------------|--|
| ▶ Double Layer Roofing Machine | |
| ▶ Material Width | 1219mm/1219mm |
| ▶ Effect width | 1050mm/975mm |
| ▶ Material Thickness | 0.3-0.8mm |
| ▶ Machine Speed | About 15-18m/min |
| ▶ Machine Weight | About 14Tons |
| ▶ Machine Dimension | About 11.5m(L)*1.8m(W)*1.8m(H) |
| ▶ Applicable Material | Galvanized Steel(GI),PPGI 235-390MPa or 550MPa |

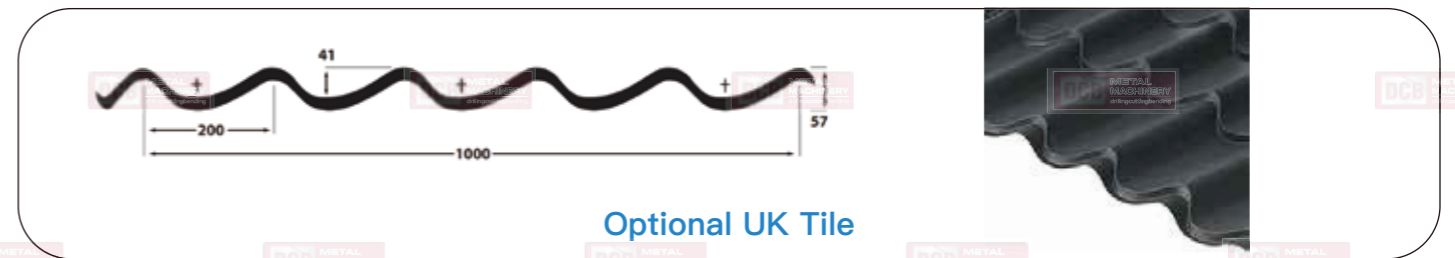
Tile Roof Roll Forming Machine



Profile Drawing



Overlap



Optional UK Tile

Application



Optional Eastern Europe Tile

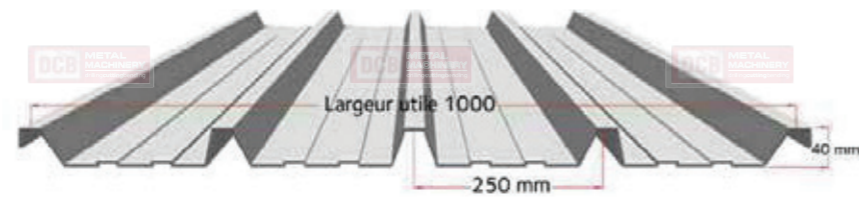
| Technical data: | | | |
|----------------------------|--------------|----------|-----------|
| Material | FeZn | Al | Al+Stucco |
| Material thickness | 0.50-0.55 mm | 0.70 mm | 0.60 mm |
| Effective width of profile | 1120 mm | 1120 mm | 1120 mm |
| Minimum length TILE MAXI | 840 mm | 840 mm | 840 mm |
| Maximum length TILE MAXI | 7 000 mm + | 4 500 mm | 4 500 mm |
| Minimum pitch | 14° | 14° | |



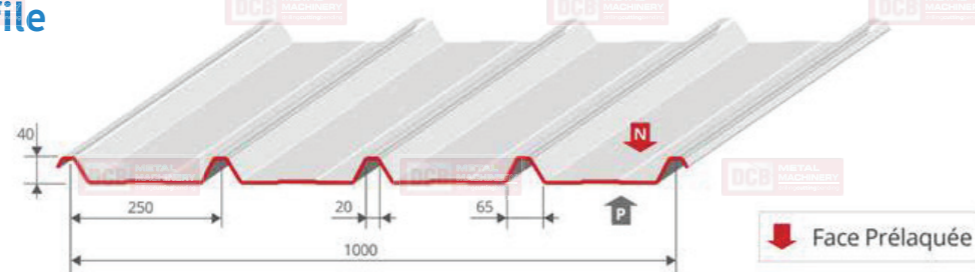
Roof panel Roll Forming Machine



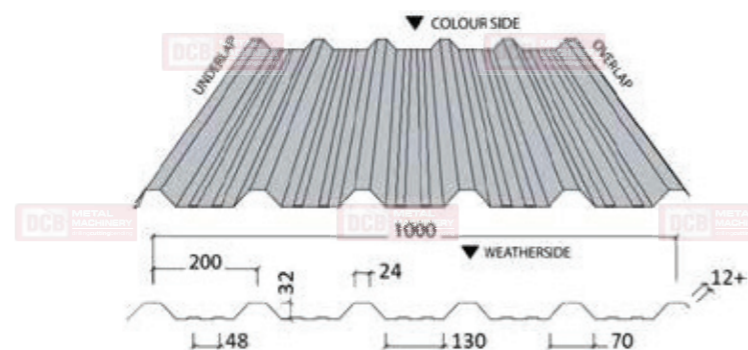
Profile Drawing



Optional French Profile



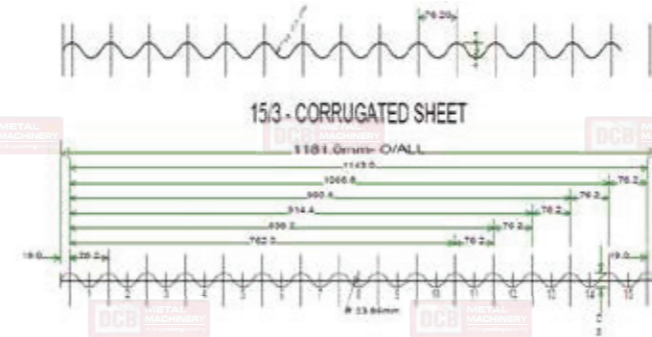
Optional UK Box Profile



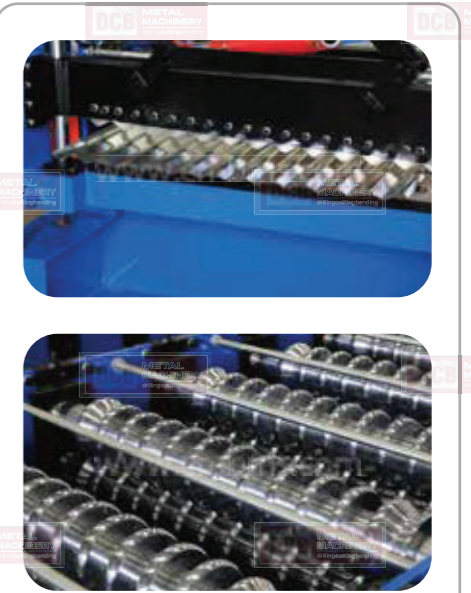
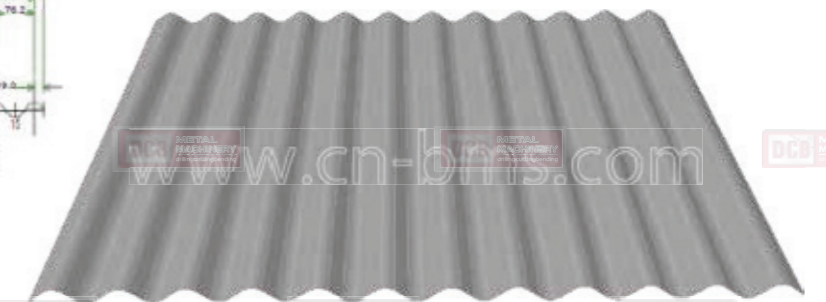
Corrugated Roof Sheet Machine



Profile Drawing

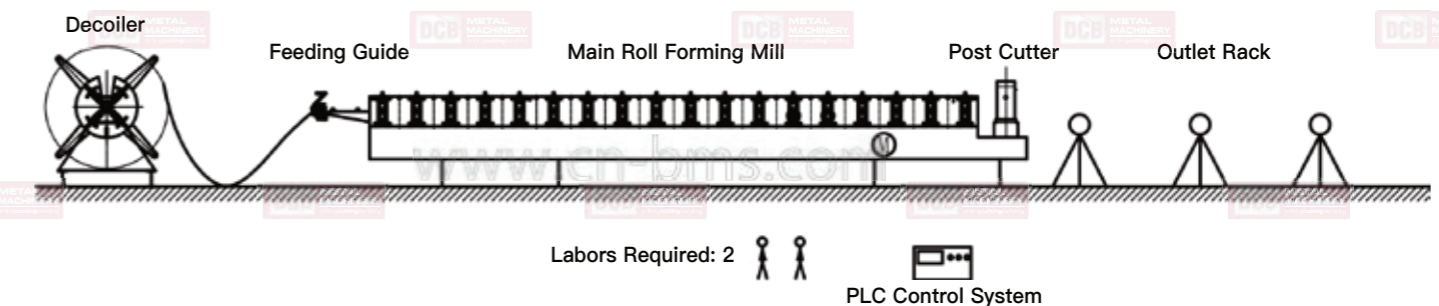


Thickness: 0.3-0.8mm

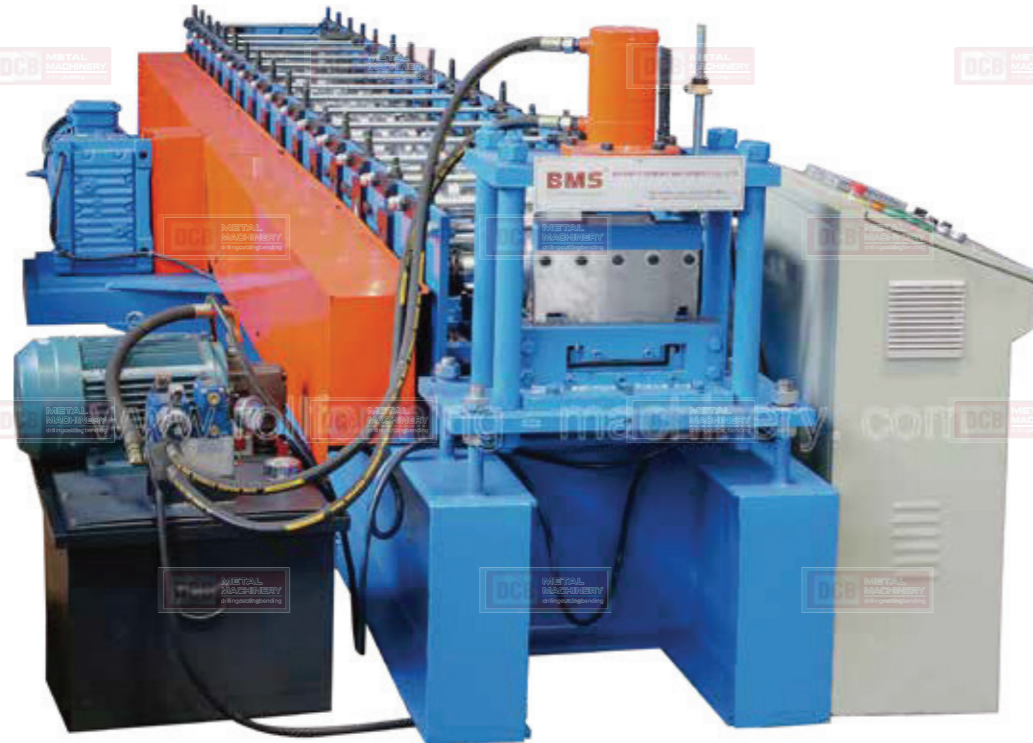


One Machine for Multi Profiles
(11ONDES, 13ONDES, 15ONDES)

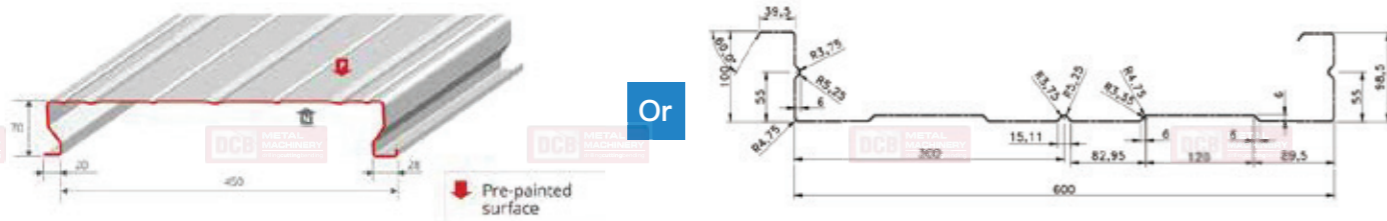
Process Sketch



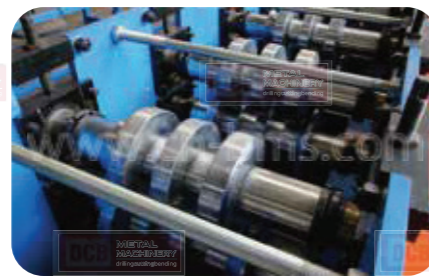
Liner Tray Roll Forming Machine



Profile Drawing



Feeding device



Forming Rollers

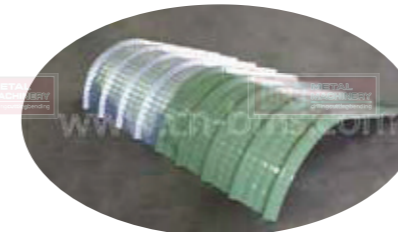


Post Cutter

Application



Roof Sheet Crimping Curving Machine



Sample

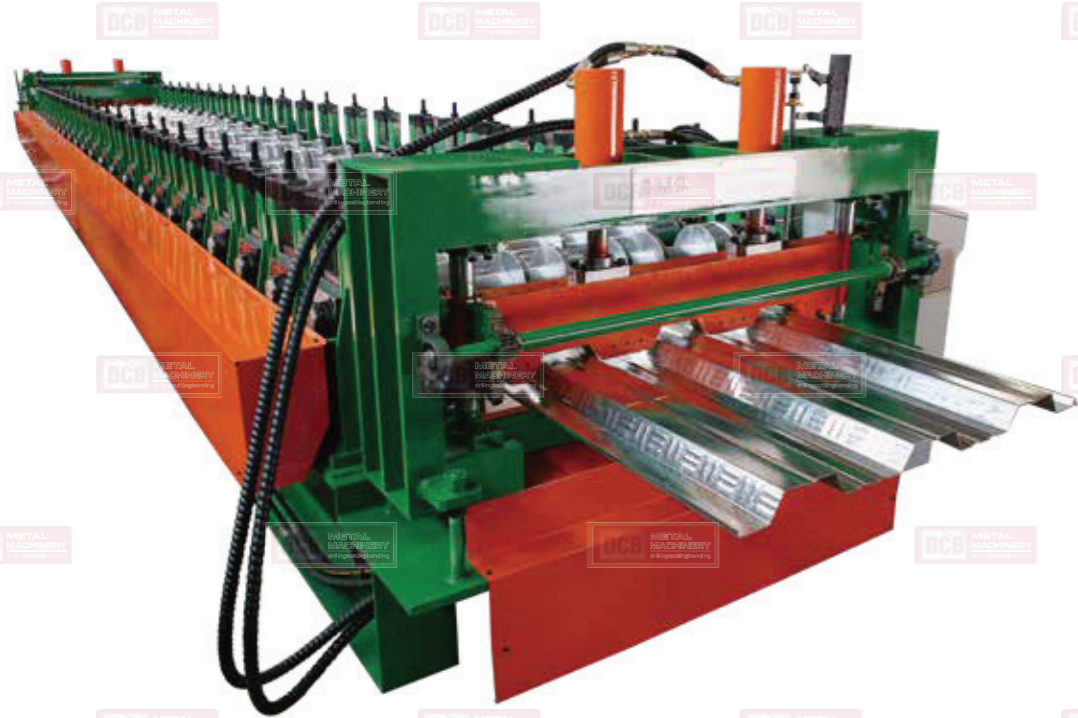


Features

1. Servo control, automatic crimping(just set curving degree and punch distance on touch screen)
2. It can be both horizontal operation and vertical operation(with two curving directions for easy operation at project spot side.)
3. It can also be used to produce ridge cap.



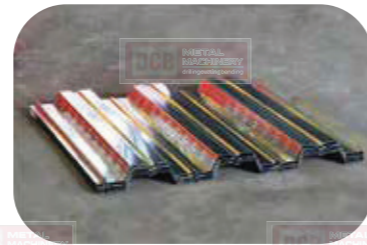
Floor Deck Machine



Embossing Device

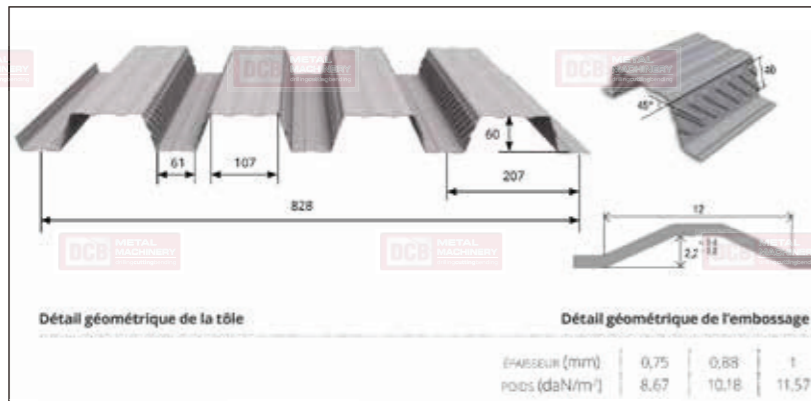


European Free Standing Structure

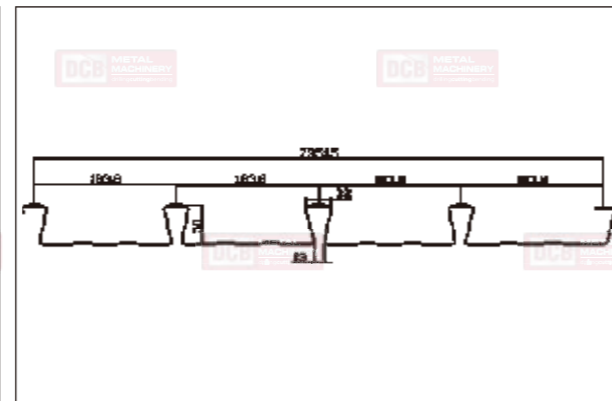


Profile Sample

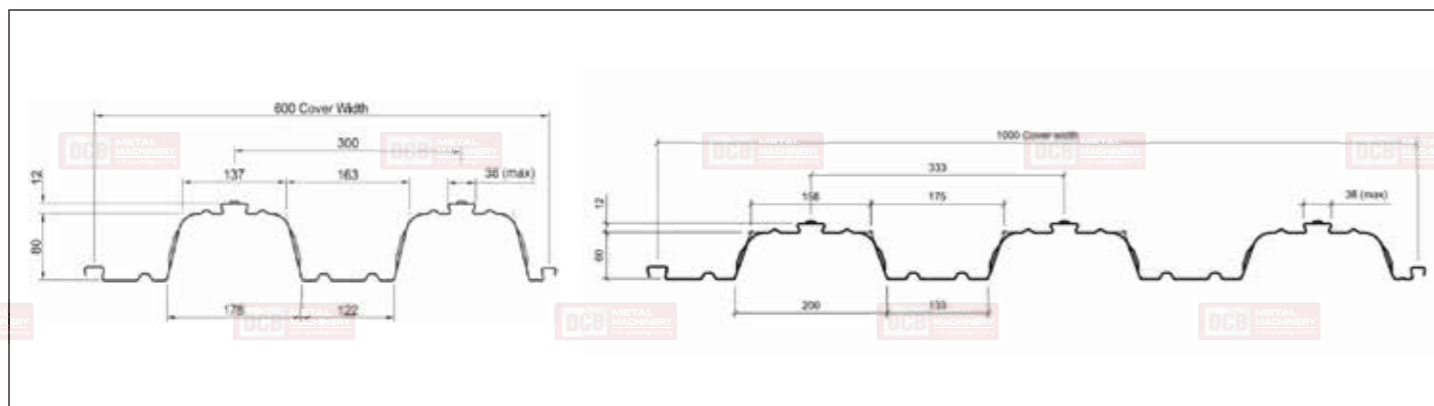
Optional Profiles



French Style



Dovetail re-entrant type

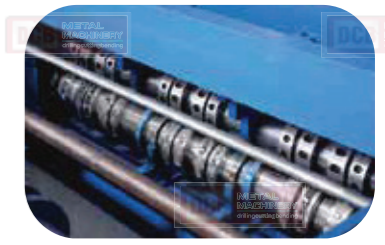


UK Style

Double Layer Floor Deck Roll Forming Machine



Profile Sample

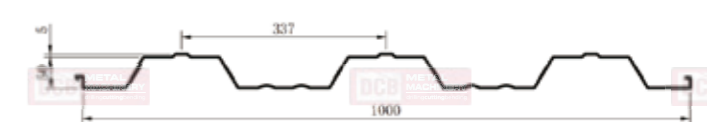
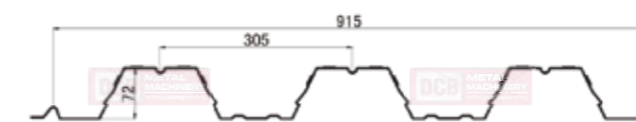


Embossing Device

Feature:

1. One machine for 2 profiles, saving equipment investment and valuable factory space;
2. All profiles are manufactured from galvanized steel strip to EN 10143 and EN 10346 with guaranteed minimum yield strengths of 350 and 450 N/mm² and a minimum coating mass of 275g/m²

Profile Drawing



Optional Profiles

