



**TUE CO JOINT STOCK COMPANY**

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# ► INTRODUCTION ►►►►►►►►►►

## TUE CO JOINT STOCK COMPANY

**TUECO** joint stock company has evolved into full line company, catering to the requirements of a large of clients and offering an equally large range of multipurpose machinery, in its bid to keep with the latest technologies. The diversity of our business activities has helped us to further strengthen our foundation in our field of operation, and our product range has gone a long way in receiving our client's support.

**TUECO** is considered to be the pioneer in the field of Steel Industrial Machinery in South East of Asia and specialized in all types of Steel machineries, Sheet Metal & Steel Structure machineries. Our efforts to provide just the right kind of industrial solutions to our clients to help them overcome production difficulties. At **TUECO**, our clients can always expect the latest & the state-of-the art-technologies. We offer an incredible range of machinery with equipment and origin of component from Japan and Taiwan.

We hope that **TUECO** will give you a better idea of the full scope of professional equipments. **TUECO** products and services can do for you and improve your company's productivity and quality.







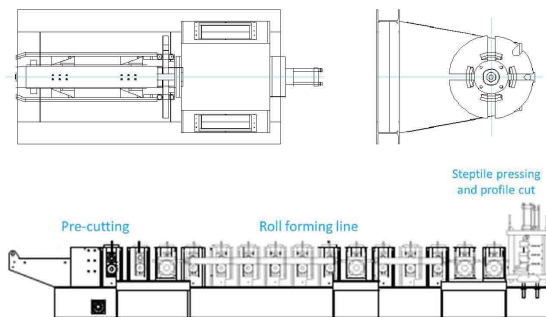
**PRODUCTS**



TUE CO JOINT STOCK  
COMPANY

# STEP TILE MACHINE

## 1. Design



## 2. Features

- Inverter drives with automatic multi speed when stop and start.
- Automatically roll forming and cutting at any length with pre-setting quantity (10 programs). The control panel enables to count a total length of was done coil.
- Signal feedback from encoder showing existing length of product.
- Automatically alarm to pre-cutting before the order finished.
- Rollers: S55C base material solid form CNC precision machined, through hardened with hard chromium plated get 50 - 55 HRC.
- Cutting die: SKD11 base material solid form CNC wire cutting machined, through hardened get 58 - 60 HRC.
- Hydraulic system is equipped with a high cooling system to afford the machine operating continuously from 20 to 22 hours per day.

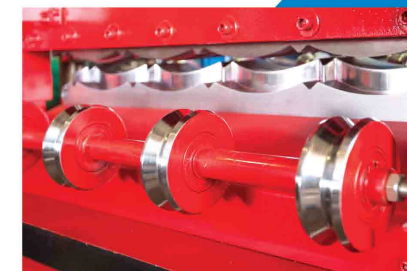
## 3. Technical Figures



ITEMS	CLASSIC STEP TILE MACHINE	PREMIUM STEP TILE MACHINE	MASTER STEP TILE MACHINE
Electric requirement	380V / 3ph / 50Hz	380V / 3ph / 50Hz	380V / 3ph / 50Hz
Power	Motor - pump: 15 KW Motor - Gear box: 11KW	Motor - pump: 15 KW Motor - Gear box: 11KW	Motor - pump: 15 KW Motor - Gear box: 11KW
Weight of machine	8 tons	9.5 tons	11 tons
Dimension	6.0 m x 1.9 m x 1.5 m	8.0 m x 1.9 m x 1.5 m	10.0 m x 1.9 m x 1.5 m
Forming speed	5 meter / min (6 pieces / double step / min)	5 meter / min (6 pieces / double step / min)	5 meter / min (6 pieces / double step / min)
Thickness	0.2 mm - 0.4 mm	0.2 mm - 0.4 mm	0.2 mm - 0.4 mm
Material yield strength	G300 mpa - G450 mpa	G300 mpa - G450 mpa	G300 mpa - G450 mpa
Material width	914 mm	914 mm	914 mm
Distance step to step	150 mm to 1.000 mm (and more)	150 mm to 1.000 mm (and more)	150 mm to 1.000 mm (and more)
Control system	PLC, fully automatic programmable	PLC, fully automatic programmable	PLC, fully automatic programmable
Transmission system	Electric motor + Gear box	Electric motor + Gear box	Electric motor + Gear box
Cutting system	By Hydraulic	By Hydraulic	By Hydraulic
Pressing system	By Hydraulic	By Hydraulic	By Hydraulic
Rollers stations	11	16	20

## 4. Origin of components

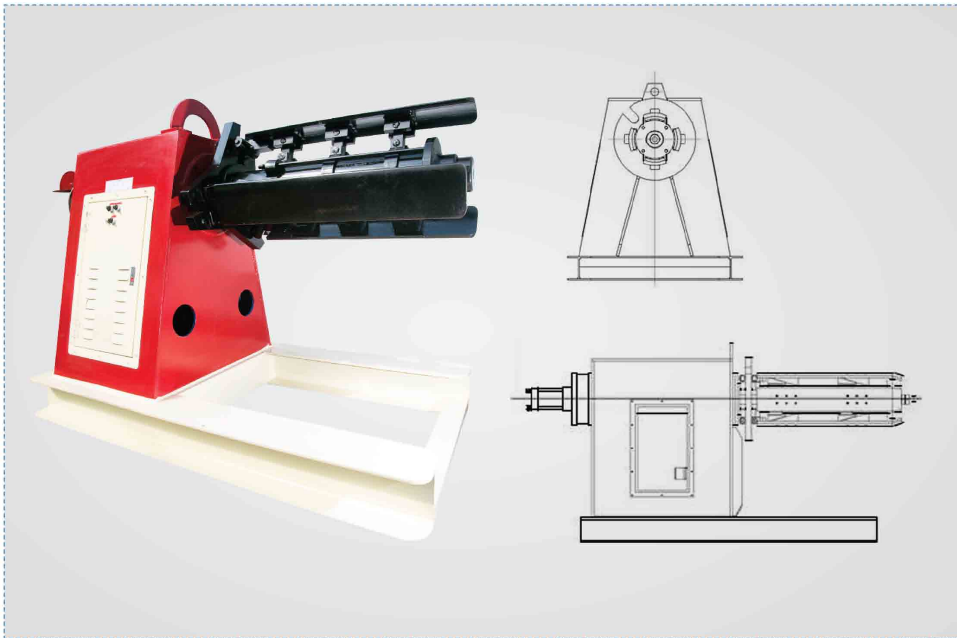
- ▶ PLC : S7 - 200 CPU 224 - Mitsubishi - Japan
- ▶ Touch panel : OP77A - Mitsubishi - Japan
- ▶ Encoders : Omron - Japan
- ▶ Electric motor : VTC - Taiwan
- ▶ Hydraulic components : Yuken - Japan
- ▶ Cutting dies : SKD11 - Japan
- ▶ Rollers : Alloy steel - Japan
- ▶ Bearing : NTN - Japan
- ▶ Gear box : Taiwan
- ▶ Chain : Japan



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# HYDRAULIC DE-COILER 7 TONS MACHINE

## 1. Design



## 2. Features

- The chassis of machine made from medium duty welded steel H200 steel and the frame is heavy duty welded box construction.
- Tight and expand coil dia by hydraulic power with slide taper.
- The speed limit switch of the uncoiler enables the uncoiler to automatically adjust the speed to match up the production of the roll forming machine.

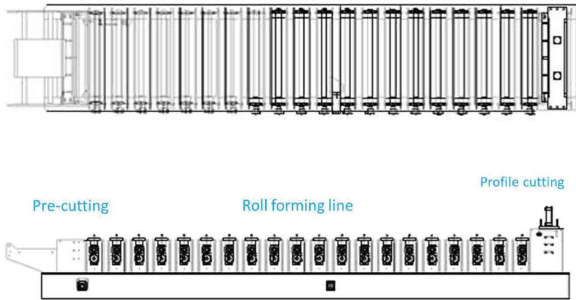
## 3. Technical Features

ITEMS	DE-COILER
Electric requirement	380V / 3ph / 50Hz
Power	5.5 KW
Capacity max	8 tons
Weight of machine	2 tons
Dimension	3.2 m x 1.4 m x 1.6 m
Thickness	0.2 mm - 2.0 mm
Material yield strength	G300 mpa - G550 mpa
Material width max	1219 mm
Rotate	Hydraulic motor
Wing moving	Hydraulic cylinder
Cooling system	By air



# ROUND/SQUARE RIBS ROLL FORMING MACHINE

## 1. Design



## 2. Features

- Automatically roll forming and cutting at any length with pre-setting quantity (10 programs). The control panel enables to count a total length of was done coil.
- Signal feedback from encoder showing existing length of product.
- Automatically alarm to pre-cutting before the order finished.
- Rollers: S55C base material solid form CNC precision machined, through hardened with hard chromium plated get 50 - 55 HRC.
- Cutting die: SKD11 base material solid form CNC wire cutting machined, through hardened get 58 - 60 HRC.
- Hydraulic system is equipped with a high cooling system to afford the machine operating continuously from 20 to 22 hours per day.

## 3. Technical Figures



ITEMS	ROUND RIBS MACHINE	SQUARE RIBS MACHINE
Electric requirement	380V / 3ph / 50Hz	380V / 3ph / 50Hz
Power	Motor - pumb: 7.5 KW	Motor - pumb: 7.5 KW
Weight of machine	9 tons	9 tons
Dimension	9.0 m x 1.7 m x 1.5 m	9.0 m x 2.0 m x 1.5 m
Forming speed	25 meter / min	25 meter / min
Thickness	0.2 mm - 0.5 mm	0.2 mm - 0.5 mm
Material strength	G300 mpa - G550 mpa	G300 mpa - G550 mpa
Material width	914 mm / 1,219 mm	914 mm / 1,219 mm
Cover width	Up to order	Up to order
Control system	PLC, fully automatic programmable	PLC, fully automatic programmable
Transmission system	Hydraulic motor	Hydraulic motor
Cutting system	By Hydraulic	By Hydraulic
Rollers stations	20	20

## 4. Origin of components

- ▶ PLC : S7 - 200 CPU 224 - Mitsubishi - Japan
- ▶ Touch panel : OP77A - Mitsubishi - Japan
- ▶ Encoders : Omron - Japan
- ▶ Electric motor : VTC - Taiwan
- ▶ Hydraulic components : Yuken - Japan
- ▶ Cutting dies : SKD11 - Japan
- ▶ Rollers : Alloy steel - Japan
- ▶ Bearing : NTN - Japan
- ▶ Gear box : : Taiwan
- ▶ Chain : : Japan

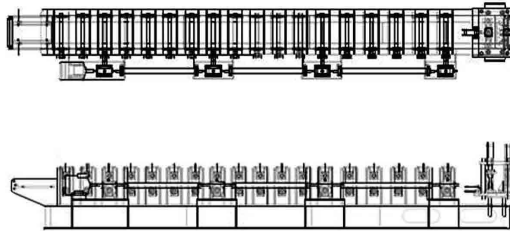


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# RIDGE CAPPING MACHINE

## 1. Design

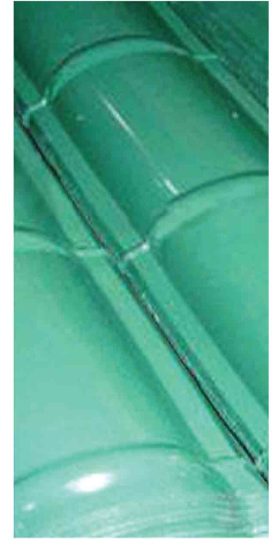


## 2. Features

- Inverter drives with automatic multi speed when stop and start.
- Automatically roll forming and cutting at any length with pre-setting quantity (10 programs). The control panel enables to count a total length of was done coil.
- Signal feedback from encoder showing existing length of product.
- Automatically alarm to pre-cutting before the order finished.
- Rollers: S55C base material solid form CNC precision machined, through hardened with hard chromium plated get 50 - 55 HRC.
- Cutting die: SKD11 base material solid form CNC wire cutting machined, through hardened get 58 -60 HRC.
- Hydraulic system is equipped with a high cooling system to afford the machine operating continuously from 20 to 22 hours per day.

## 3. Technical Figures

ITEMS	FIGURES
Electric requirement	380V / 3ph / 50Hz
Power	Motor - pumb: 11 KW / Motor - Gear box: 7.5 KW
Weight of machine	7 tons
Dimension	9.0 m x 1.4 m x 1.5 m
Forming speed	5 meter / min
Thickness	0.3 mm - 0.5 mm
Material yield strength	G300 mpa - G450 mpa
Material width	Up to requirement
Distance step to step	150 mm to 1,000 mm (and more)
Control system	PLC, fully automatic programmable
Transmission system	Electric motor + 4 Gear box
Cutting system	By Hydraulic
Pressing system	By Hydraulic
Rollers stations	18



## 4. Origin of components

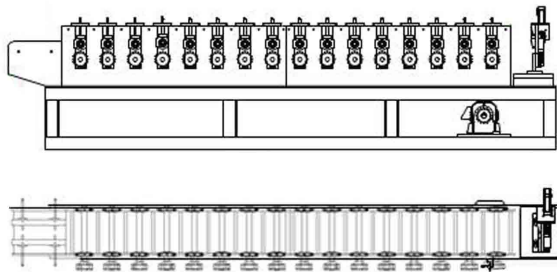
- ▶ PLC : S7-200 CPU 224 - Mitsubishi - Japan
- ▶ Touch panel : OP77A - Mitsubishi - Japan
- ▶ Encoders : Omron - Japan
- ▶ Electric motor : VTC - Taiwan
- ▶ Hydraulic components : Yuken - Japan
- ▶ Cutting dies : SKD11 - Japan
- ▶ Gear box : Taiwan





# C-TRUSS PROFILE FORMING MACHINE

## 1. Design



## 2. Features

- Interconvert automatically two levels of speed when stop and start.
- Automatically roll forming and cutting at any length with pre-setting quantity (10 programs). The control panel enables to count a total length of was done coil.
- Signal feedback from encoder showing existing length of product.
- Automatically alarm to pre-cutting before the order finished.
- Rollers: S55C base material solid form CNC precision machined, through hardened with hard chromium plated get 55 - 58 HRC.
- Cutting die: SKD11 base material solid form CNC wire cutting machined, through hardened get 58 - 60 HRC.
- New design with strong body and UCT bearing for easy to adjust.
- Hydraulic system is equipped with a high cooling system to afford the machine operating continuously 24 hours per day.
- Manometer and oil can check outside of roll forming machine.
- Whole machine primer painting.

## 3. Technical Figures

ITEMS	FIGURES
Electric requirement	380V / 3ph / 50Hz
Power	7.5 KW
Weight of machine	6 tons
Dimension	5.5 m x 1.0 m x 1.4 m
Forming speed	25 meter / min
Thickness	0.4 mm - 1.0 mm
Material yield strength	G450 mpa - G550 mpa
Material width	151 mm / Up to requirement
Control system	PLC, fully automatic programmable
Transmission system	Hydraulic motor + Chain
Cutting system	Pre-cut & profile - cut by Hydraulic
Punching hole system	Hydraulic
Rollers stations	18
Hydraulic cooling system	By air fan cooling system



## 4. Origin of components

- ▶ PLC and Touch panel ..... : Mitsubishi - Japan
- ▶ Encoders ..... : Omron - Japan
- ▶ Electric motor ..... : VTC - Taiwan
- ▶ Hydraulic components ..... : Yuken - Japan
- ▶ Cutting dies ..... : SKD11 - Japan
- ▶ Rollers ..... : Alloy steel - Japan
- ▶ Bearing, Chain ..... : Japan



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# FLOOR DECK MACHINE

## 1. Design



## 2. Features

- Inverter drives with automatic multi speed when stop and start.
- Automatically roll forming and cutting at any length with pre-setting quantity (10 programs). The control panel enables to count a total length of was done coil.
- Signal feedback from encoder showing existing length of product.
- Automatically alarm to pre-cutting before the order finished.
- Rollers: S55C base material solid form CNC precision machined, through hardened with hard chromium plated get 50 - 55 HRC.
- Cutting die: SKD11 base material solid form CNC wire cutting machined, through hardened get 58 - 60 HRC.
- Hydraulic system is equipped with a high cooling system to afford the machine operating continuously from 20 to 22 hours per day.

## 3. Technical Figures

ITEMS	FIGURES
Electric requirement	380V / 3ph / 50Hz
Power	Motor - pumb: 22 KW
Weight of machine	14 tons
Dimension	14.0 m x 2.2 m x 1.5 m
Forming speed	16 meter / min
Thickness	0.7 mm - 1.0 mm
Material Strength	G550 mpa
Material width	1,220 mm
Cover width	1,000 mm
Control system	PLC, fully automatic programmable
Transmission system	Hydraulic motor
Cutting system	By Hydraulic
Rollers stations	32



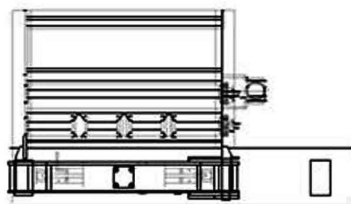
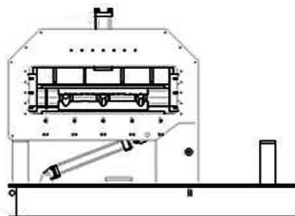
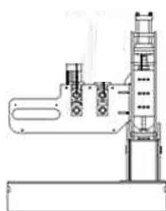
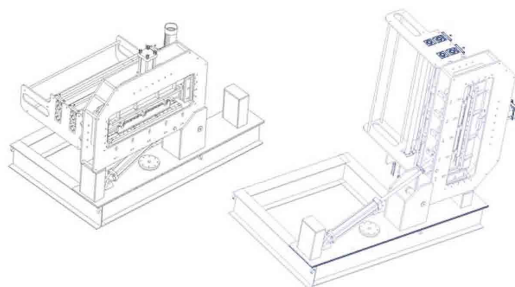
## 4. Origin of components

- ▶ PLC : S7 - 200 CPU 224 - Mitsubishi - Japan
- ▶ Touch panel : OP77A - Mitsubishi - Japan
- ▶ Encoders : Omron - Japan
- ▶ Electric motor : VTC - Taiwan
- ▶ Hydraulic components : Yuken - Japan
- ▶ Cutting dies : SKD11 - Japan
- ▶ Rollers : Alloy steel - Japan
- ▶ Bearing : NTN - Japan
- ▶ Gear box : Taiwan
- ▶ Chain : Japan



# CRIMP CURVE MACHINE

## 1. Design



## 2. Features

- Automatically pressing at any length step with pre-setting quantity (5 programs).
- Automatically alarm before pressing completed.
- Die made of alloy steel, thermo-hardening, chromium plated get hardness to 50 - 58 HRC.

## 3. Technical Figures

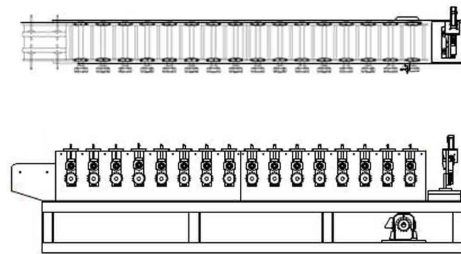
ITEMS	FIGURES
Electric requirement	220V / 3ph / 50Hz
Power	Motor pump : 5.5 KW + Transmission motor: 2.2 KW
Weight of machine	3 tons
Dimension	1.5 m x 2.7 m x 2.0 m
Speed	45 steps / min
Thickness	0.18 mm - 0.6 mm (F.H 85 - 95 HRB)
Material yield strength	G300 mpa - G550 mpa (F.H 85 - 95 HRB)
Material width	914 mm - 1,219 mm
Control system	PLC, fully automatic programmable
Transmission system	Electric motor
Pressing system	By Hydraulic
Pressing die	Material made by SKD11
Hydraulic cooling system	By air





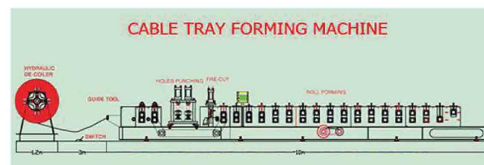
## BATTEN AND TRUSS MACHINE

### Design



## CABLE TRAY MACHINE

### Design



## CORRUGATED ROLL-FORMING WITH THICKNESS 0.15 MM



### Design



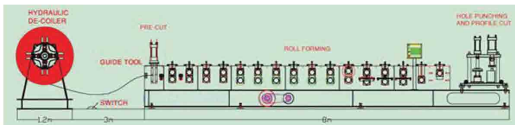
## CORRUGATED - HIGH SPEED ROLL-FORMING MACHINE

### Design



## C-Z PURLIN MACHINE

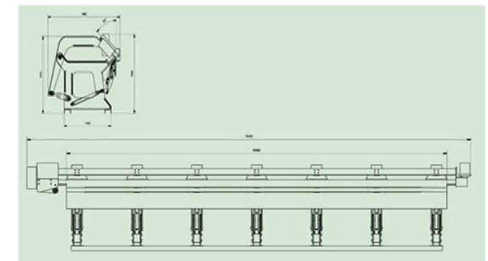
### Design



## FOLDER MACHINE



### Design



## DOUBLE DECKER MACHINE

### Design



## ROOFING ROLL-FORMING MACHINE

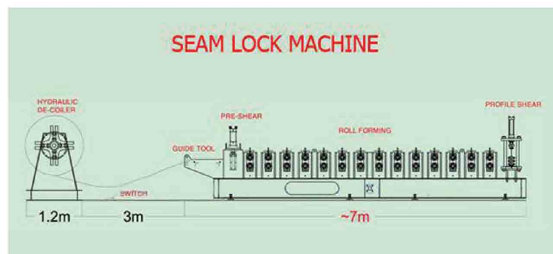
### Design





# SEAM LOCK MACHINE

## Design



# SLITTING MACHINE

## Design



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