



VIETSTEEL
MACHINERY COMPANY LIMITED
www.vietsteel.com vietsteel@vietsteel.com

SPECIALIZE IN MANUFACTURING ROLL FORMING MACHINES





VIETSTEEL MACHINERY CO., LTD

Address: 291 Hoang Sa Str., District 1, Ho Chi Minh city, Vietnam

Office: 253 Dien Bien Phu Str., District 3, Ho Chi Minh city, Vietnam

Factory 1: 91 Truong Thi Nhu Str., Hoc Mon District, Ho Chi Minh city, Vietnam

Factory 2: Lot C2-7, N7 Road, Tan Phu Trung Industrial Zone, Cu Chi Province,
Ho Chi Minh city, Vietnam

  (+84) 903 948 868 (+84) 933 585 688

Email: vietsteel@vietsteel.com Website: www.vietsteel.com

YOUR SUCCESS IS VIETSTEEL'S SUCCESS

HIGH QUALITY NEW TECHNOLOGY GOOD SERVICE



VIETSTEEL MACHINERY Co.,Ltd

Since 1998.

VIETSTEEL MACHINERY is the Vietnamese **LEADING EXPERT** in technology and manufacturing all kinds of roll forming, bending, and cutting machines, etc.

VISION

- To be the #1 metal roll-forming technology provider in Vietnam.
- Among the top 5 in Asia, and ranked in the top 20 globally.

MISSION

- To supply high-technology metal roll-forming machines.
- Design and manufacture fully automated industrial lines.
- Offer SCADA (Supervisory Control and Data Acquisition) solutions.

CORE VALUES

- Provide opportunities for employee development.
- Create a company culture that feels like home.
- Deliver the best solutions for our customers.
- We believe our customers' success is our success.

CAPACITY

- Two factories in Ho Chi Minh City, covering over 2 hectares.
- A workforce of 150 employees, including 30 skilled engineers and technicians.
- Production of 30 types of machines and 100 different models.
- Capable of manufacturing 10 machines per month, totaling 100 machines per year.

MORE THAN 25 YEARS OF EXPERIENCE



5000



High quality machines and manufacturing lines are delivered successfully

500



Domestic and foreign Clients and Partners

50



Countries over the world in 5 continents

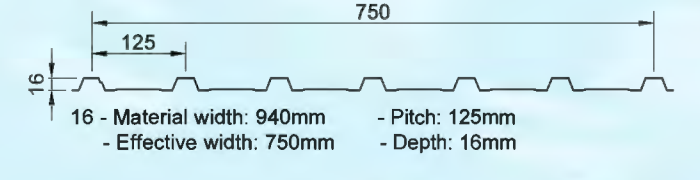
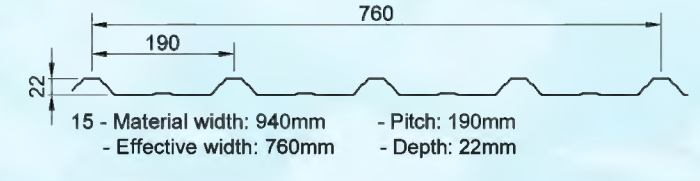
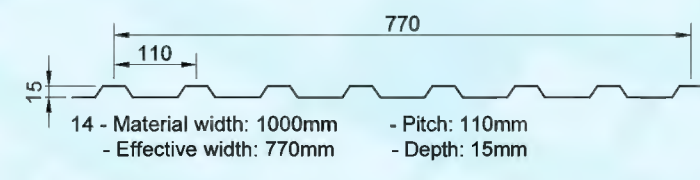
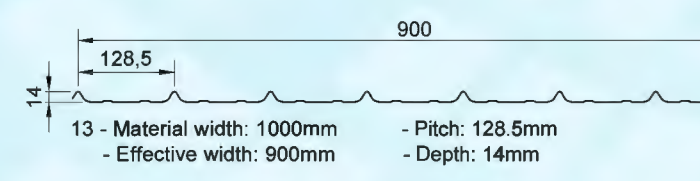
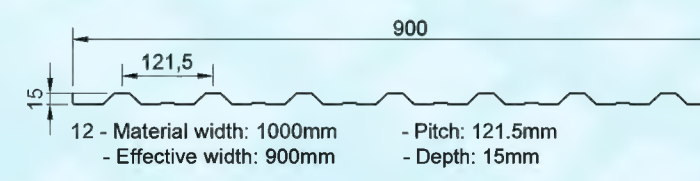
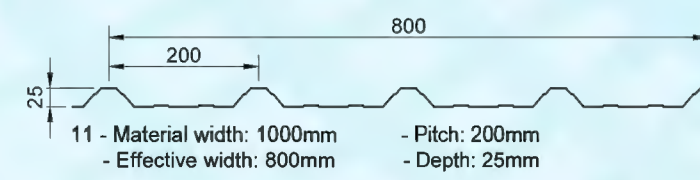
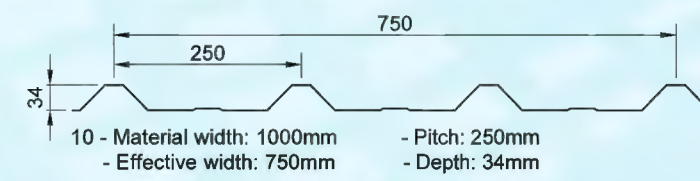
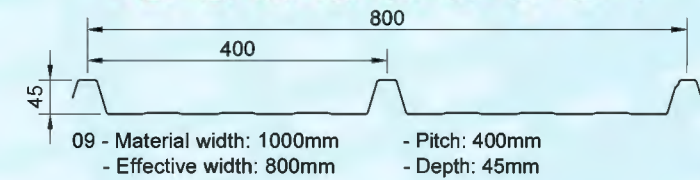
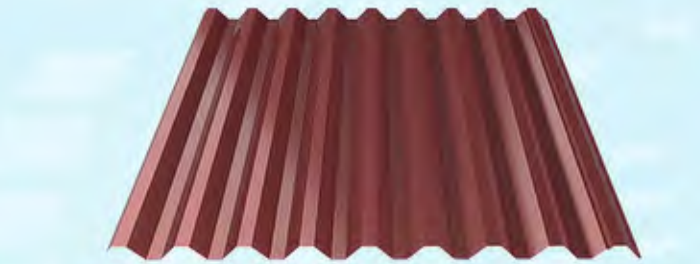
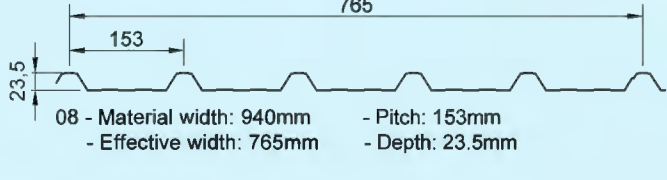
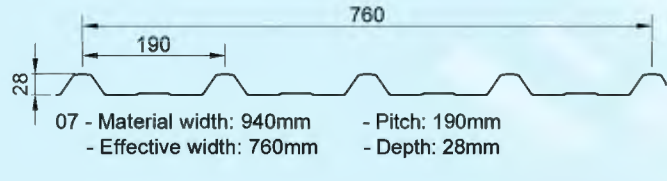
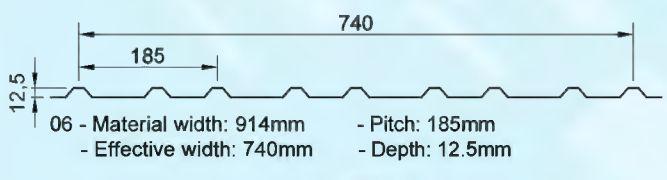
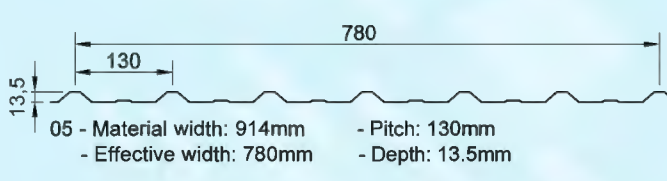
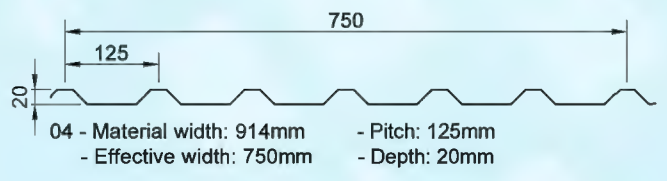
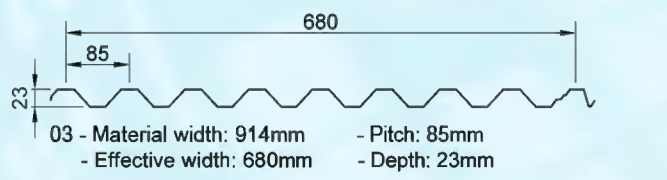
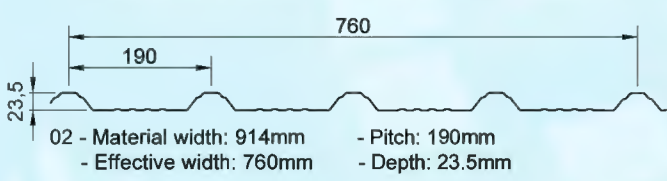
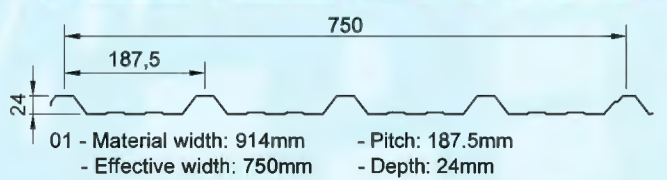
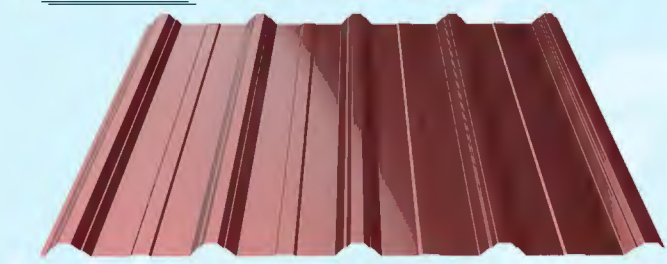
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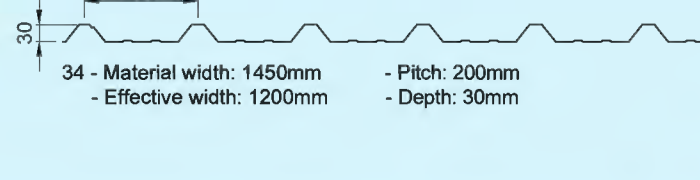
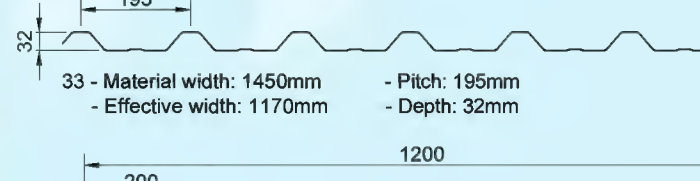
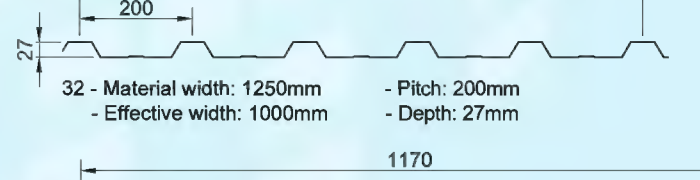
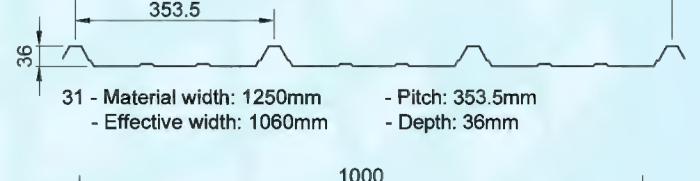
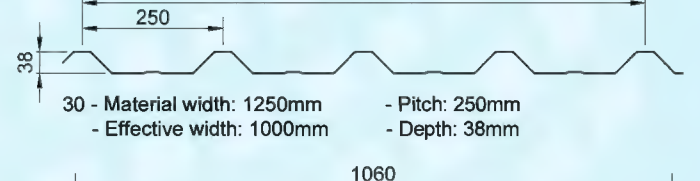
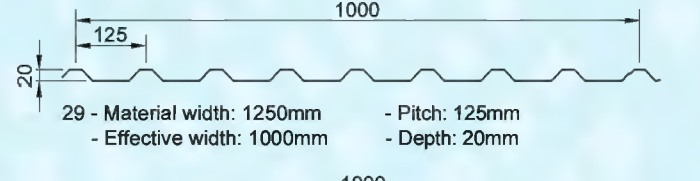
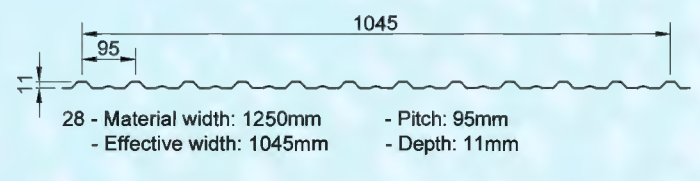
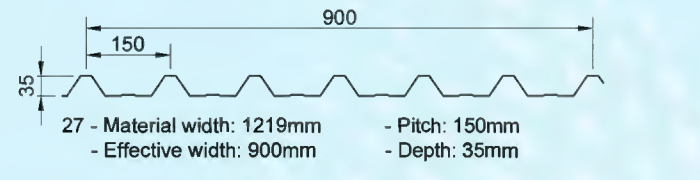
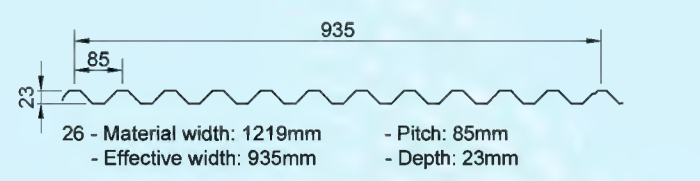
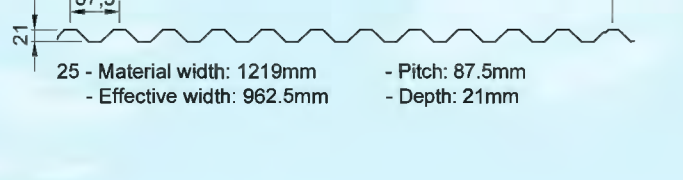
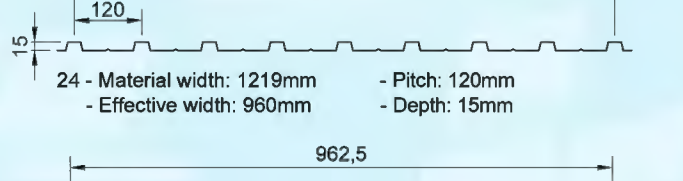
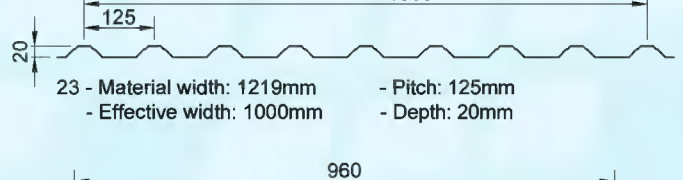
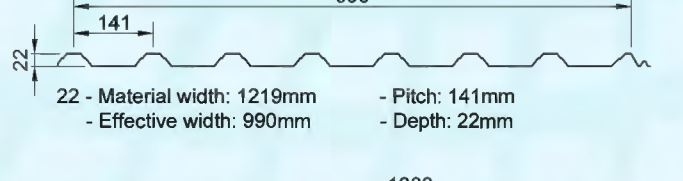
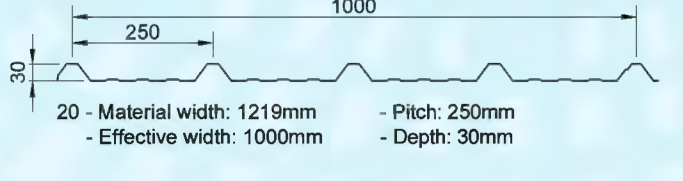
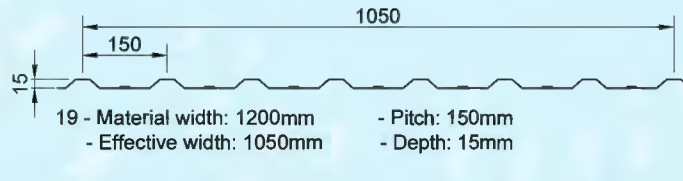
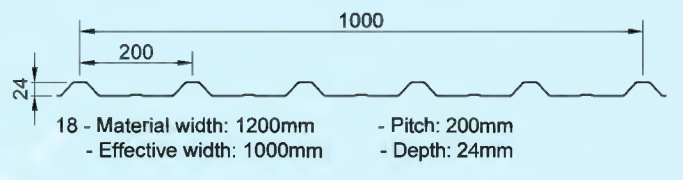
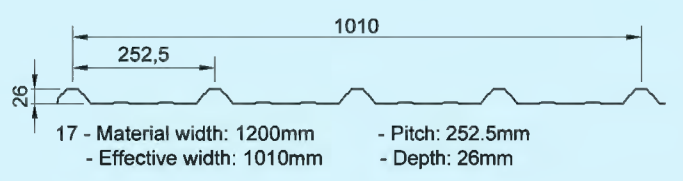
Professional after sales service

ROOFING PROFILE

MATERIAL WIDTH : 914 - 1000mm

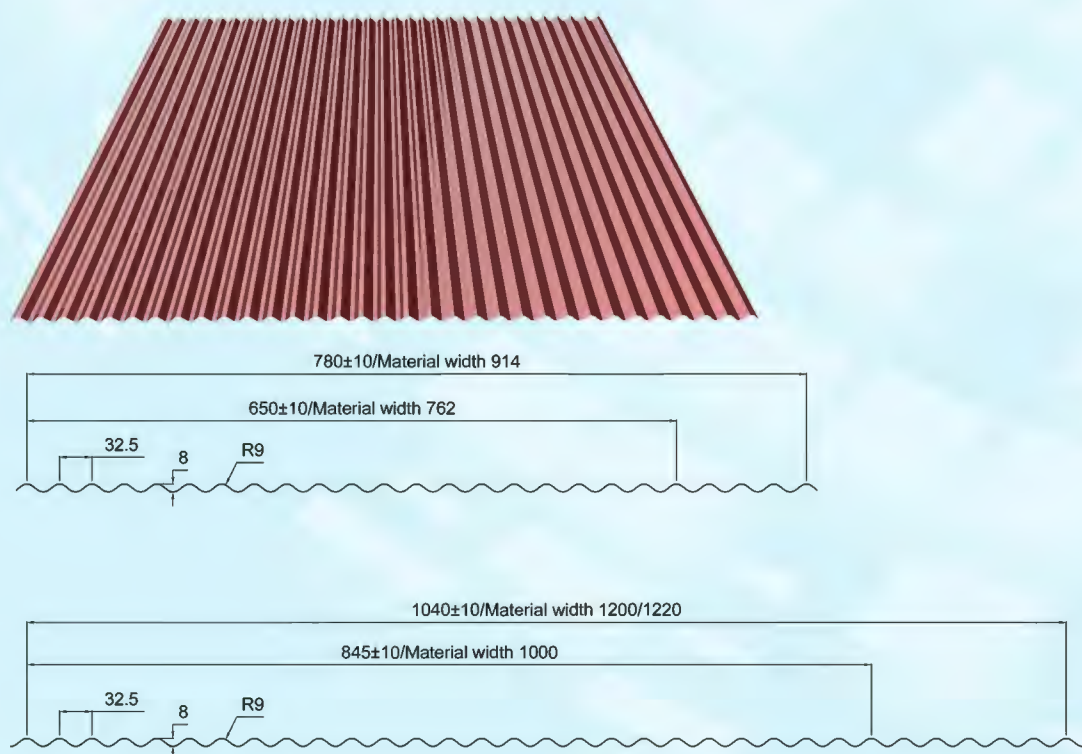
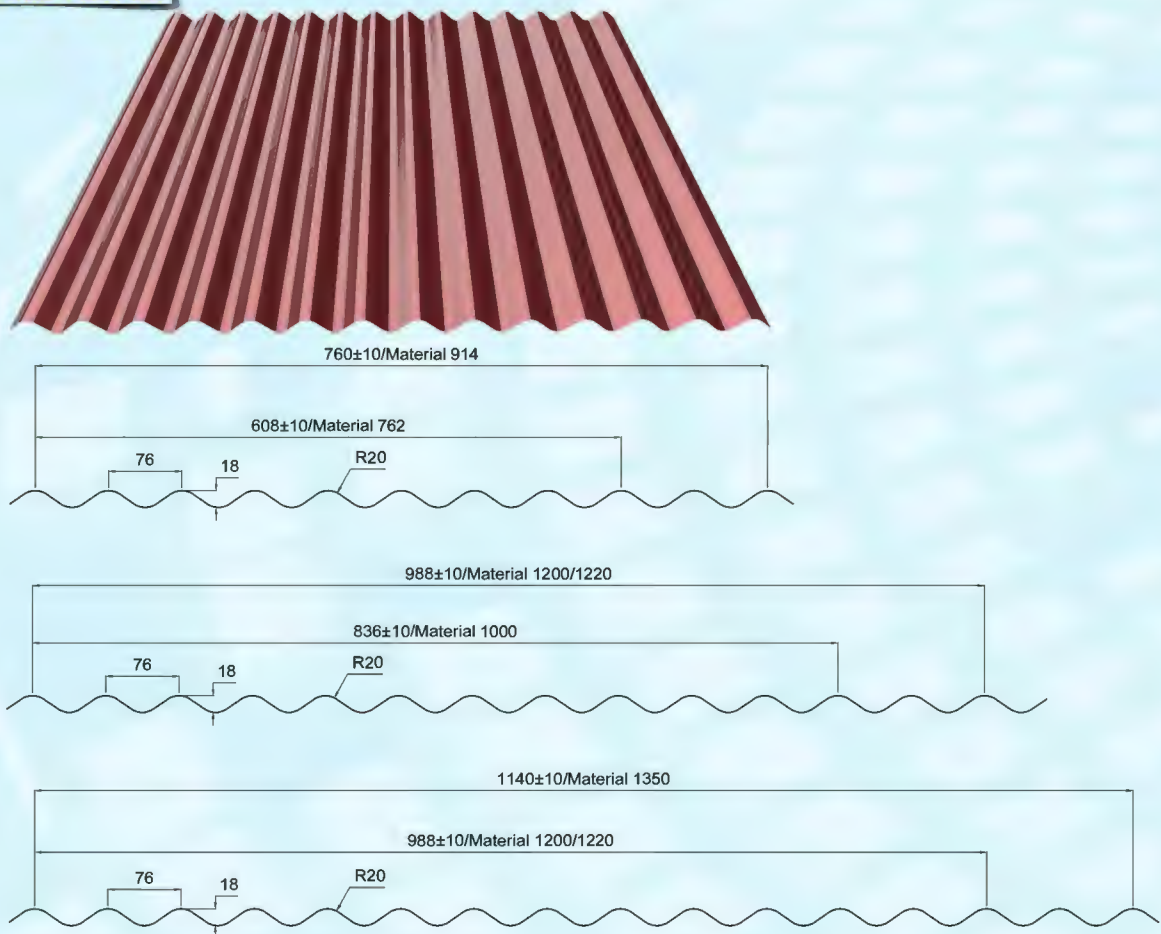


MATERIAL WIDTH : 1200 - 1450mm

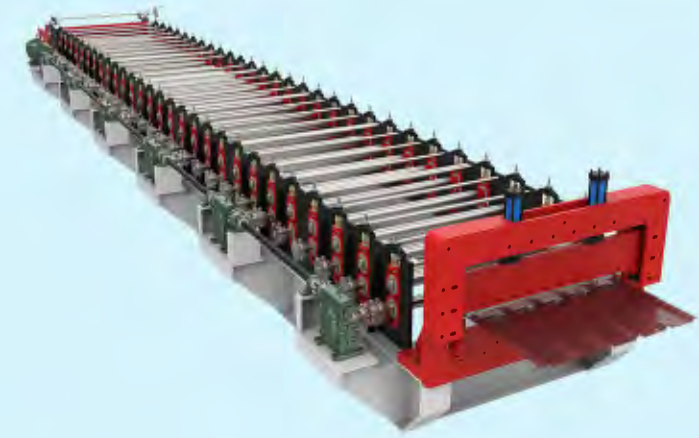


ROOFING PROFILE

CORRUGATED PROFILE



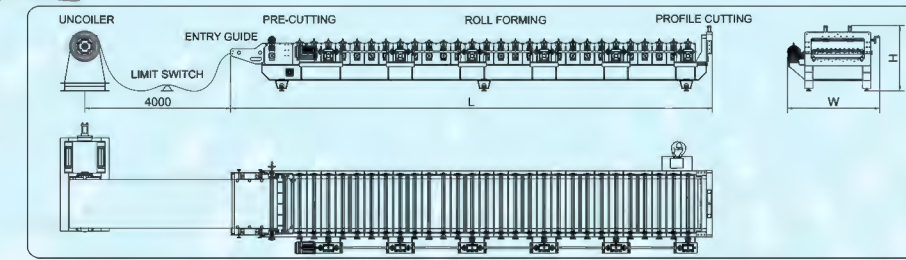
RF-EH MODEL (30 meters/minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)



TECHNICAL DATA

Items	RF-EH Model
Power	Transmission: 7.5 – 22 kw Motor-Pump: 5.5 – 7.5 kw
Weight of machine	9 – 16 tons
Dimension	L=9-13m; W=1.5-2.0m; H=1.6m
Forming speed	30 meters/ minute
Roller stations	20 - 32
Transmission system	Electric motor and Gear box
Pre-Cutting	Hydraulic cylinder
Profile Cutting	Hydraulic cylinder
Control system	PLC, HMI automatic programmable
Material thickness	0.2 - 0.7 mm
Material width	914/ 940/ 1200/ 1220/ 1250/ 1450 mm
Material Yield Strength	G350 - G550 Mpa (GI/PPGI, GL/PPGL)

LAYOUT



WORKING FLOW

Pre-cutting
Uncoiler → Guide → Roll forming → Profile cutting → Run-out Product

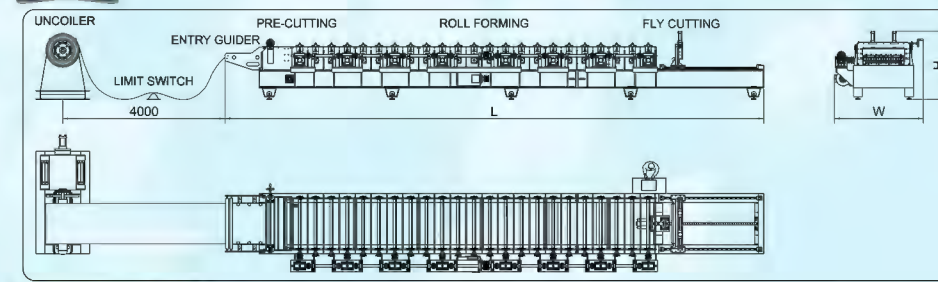
RF-FL MODEL (50 meters/minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder and Fly cut by Servo motor)



TECHNICAL DATA

Items	RF-FL Model
Power	Transmission: 7.5 - 22 kw Motor-Pump: 7.5 – 11 kw Motor-Fly cut: 7.5 – 11 kw
Weight of machine	9 – 16 tons
Dimension	L=11-15m; W=1.8-2.4m; H=1.7m
Forming speed	50 meters/minute
Roller stations	20 - 32
Transmission system	Electric motor and Gear box
Pre-Cutting	Hydraulic cylinder
Profile Cutting	Hydraulic cylinder
Fly cutting	Servo motor
Control system	HMI, Synchronized motion control
Material thickness	0.2 - 0.7 mm
Material width	914/ 940/ 1200/ 1220/ 1250/ 1450 mm
Material Yield Strength	G350 - G550 Mpa (GI/PPGI, GL/PPGL)

LAYOUT



WORKING FLOW

Pre-cutting
Uncoiler → Guide → Roll forming → Fly cutting → Conveyor belt → Auto stacker table

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJII/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

PROFILE

RUBY

Material width: 914mm, Effective: 700mm
Pitch: 175mm, Depth: 30mm

WAVING

Material width: 914mm, Effective: 700mm
Pitch: 140mm, Depth: 28mm

UNIVERSE

Material width: 914mm, Effective: 720mm
Pitch: 240mm, Depth: 30mm

PARAGON

Material width: 914mm, Effective: 750mm
Pitch: 150mm, Depth: 27mm

NUSA

Material width: 914mm, Effective: 760mm
Pitch: 190mm, Depth: 20mm

BAMBOO

Material width: 914mm, Effective: 760mm
Pitch: 190mm, Depth: 32mm

CLASSIC

Material width: 914mm, Effective: 800mm
Pitch: 200mm, Depth: 17.5mm

MINIMALIST

Material width: 914mm, Effective: 800mm
Pitch: 400mm, Depth: 16mm

MASTER

Material width: 914mm, Effective: 750mm
Pitch: 187.5mm, Depth: 24mm

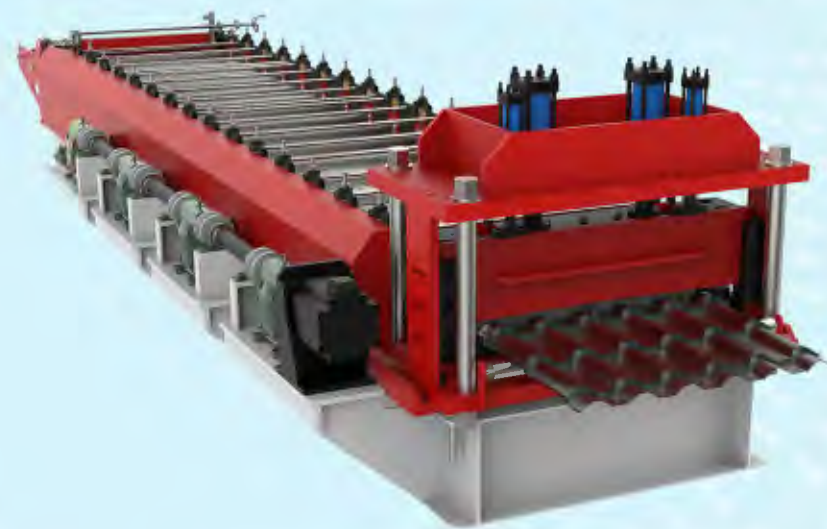
METCOPPO

Material width: 1200mm, Effective: 950mm
Pitch: 190mm, Depth: 38mm

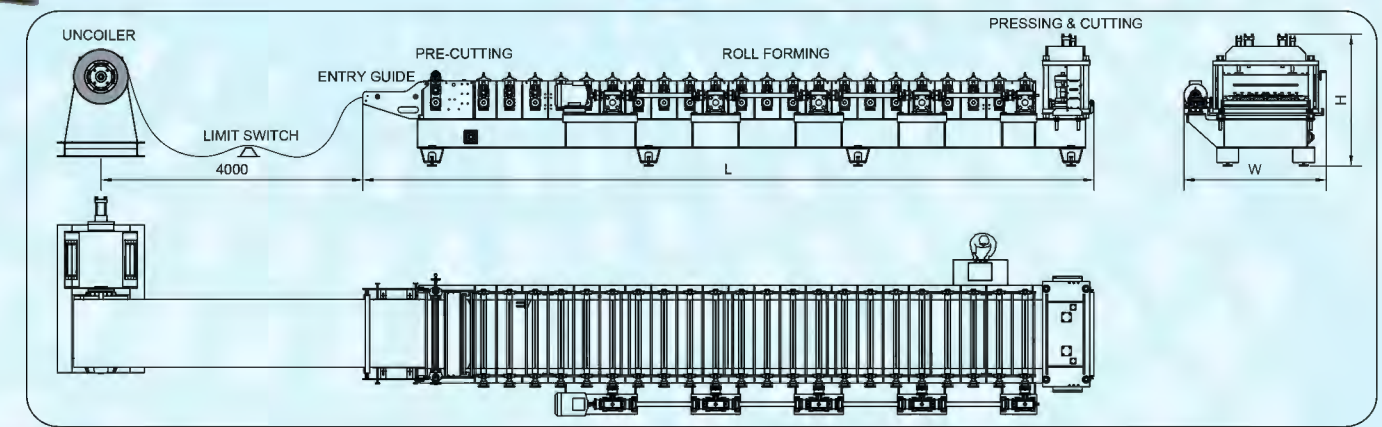
ORIENTAL

Material width: 1220mm, Effective: 1045mm
Pitch: 290mm, Depth: 27mm

ST-EH MODEL (5 meters/ minute, Transmission by **Electric motor and gear box**, Pressing & Cutting by **Hydraulic cylinder**)
ST-SH MODEL (8 meters/ minute, Transmission by **Servo motor and gear box**, Pressing & Cutting by **Hydraulic cylinder**)



LAYOUT



WORKING FLOW

Pre-cutting
 Uncoiler → Guide → Roll forming → Pressing → Profile cutting → Run-out product

TECHNICAL DATA

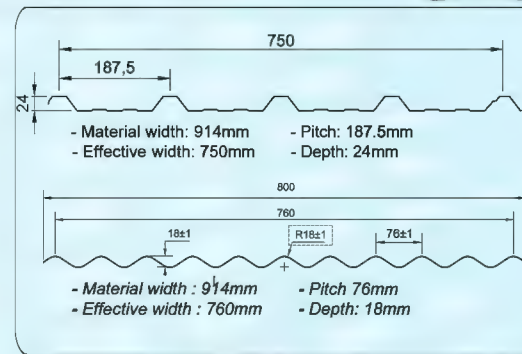
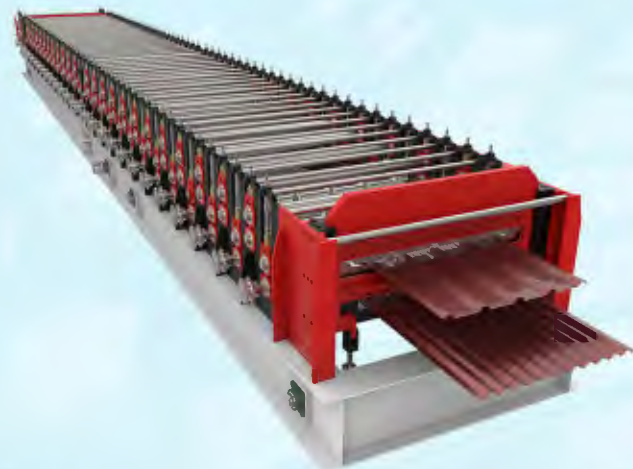
Items	ST-EH Model	ST-SH Model
Power	Transmission: 7.5 - 15 kw Motor-Pump: 11 kw	Transmission: 11 - 15 kw Motor-Pump: 15 kw
Weight of machine	12 - 18 tons	12 - 18 tons
Dimension	L=6-12m; W=2.3-2.6m; H=1.6m	L=6-12m; W=2.3-2.6m; H=1.6m
Forming speed	5 meters/minute (6 pieces of 2 steps 385mm)	8 meters/minute (10 pieces of 2 steps 385mm)
Roller stations	12-26	12-26
Transmission system	Electric motor and gear box	Servo motor and gear box
Pre-Cutting	Hydraulic cylinder	Hydraulic cylinder
Profile Cutting	Hydraulic cylinder	Hydraulic cylinder
Press Mold	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.18 - 0.5mm	0.18 - 0.5mm
Material width	914/ 940/ 1200/ 1220/ 1250mm	914/ 940/ 1200/ 1220/ 1250mm
Material Yield Strength	G350 - G450 Mpa (GI/PPGI, GL/PPGL)	G350 - G450 Mpa (GI/PPGI, GL/PPGL)

BRAND OF COMPONENTS

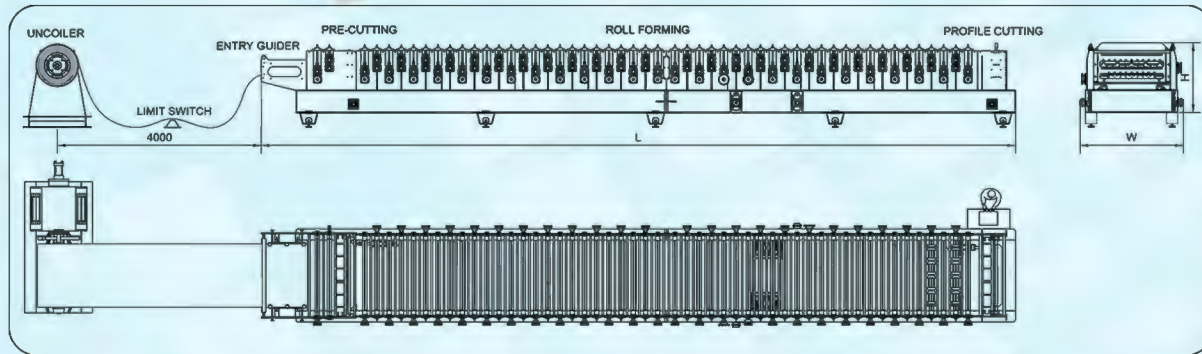
- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVIT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVIT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVIT

DR-HD MODEL (20 meters/minute, Transmission by Hydraulic motor, Cutting by Hydraulic cylinder)
DR-EH MODEL (30 meters/minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)

ROOFING + ROOFING



LAYOUT



WORKING FLOW

Pre-cutting
 Uncoiler → Guide → Roll forming → Profile cutting → Run-out product

TECHNICAL DATA

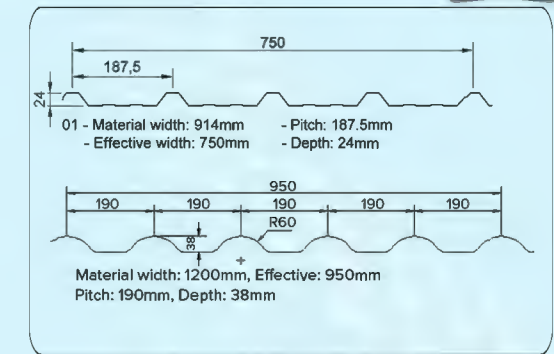
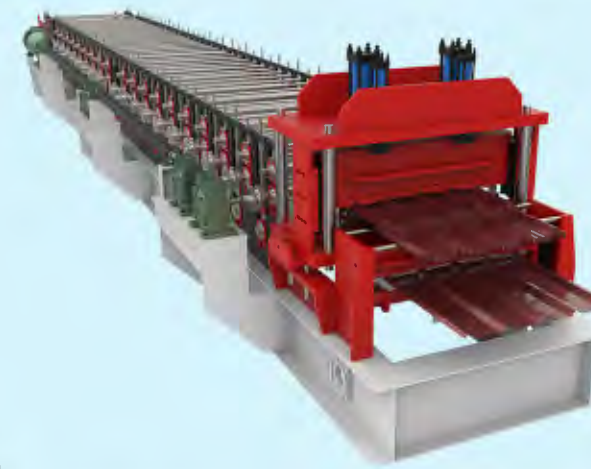
Items	DR-HD Model	DR-EH Model
Power	Motor - Pump: 11 – 22 kw	Transmission: 11 – 22 kw Motor - Pump: 5.5 – 7.5 kw
Weight of machine	18 - 22 tons	18 - 22 tons
Dimension	L=13-15m; W=1.5-2.1m; H=1.65m	L=13-15m; W=2.1-2.7m; H=1.65m
Forming speed	20 meters/minute	30 meters/minute
Roller stations	Roofing deck: 20 - 32 Corrugated deck: 26 - 32	Roofing deck: 20 - 32 Corrugated deck: 26 - 32
Transmission system	Hydraulic motor	Electric motor and gear box
Profile Cutting	Hydraulic cylinder	Hydraulic cylinder
Pre-Cutting	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	Roofing deck: 0.2 - 0.5mm Corrugated deck: 0.17 - 0.35mm/ 0.25 - 0.6mm	Roofing deck: 0.2 - 0.5mm Corrugated deck: 0.17 - 0.35mm/ 0.25 - 0.6mm
Material width	Roofing deck: 914/ 940/ 1200/ 1220/ 1250/ 1450mm Corrugated deck: 914/ 940/ 1200/ 1220/ 1250/ 1450mm	Roofing deck: 914/ 940/ 1200/ 1220/ 1250/ 1450mm Corrugated deck: 914/ 940/ 1200/ 1220/ 1250/ 1450mm
Material Yield Strength	Roofing deck: G350 - G550 Mpa (GI/PPGI, PPGL) Corrugated deck: G350 - G550 Mpa (GI/PPGI, PPGL)	Roofing deck: G350 - G550 Mpa (GI/PPGI, PPGL) Corrugated deck: G350 - G550 Mpa (GI/PPGI, PPGL)

BRAND OF COMPONENTS

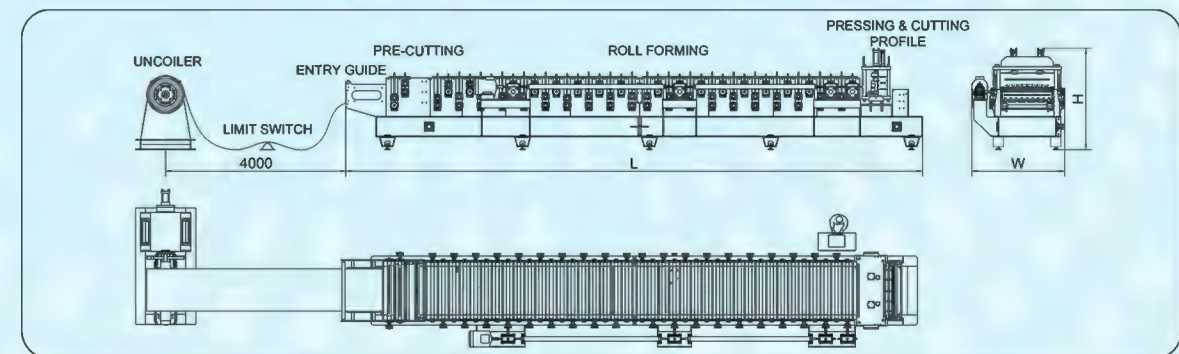
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- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJII/ LS/ DELTA/ INVIT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVIT

DS-EH MODEL (Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)
DS-SH MODEL (Transmission by Servo motor and gear box, Cutting by Hydraulic cylinder)

STEP TILE + ROOFING



LAYOUT



WORKING FLOW

Pre-cutting
 Uncoiler → Guide → Roll forming → Pressing (for Step tile deck) → Profile cutting → Run-out product

TECHNICAL DATA

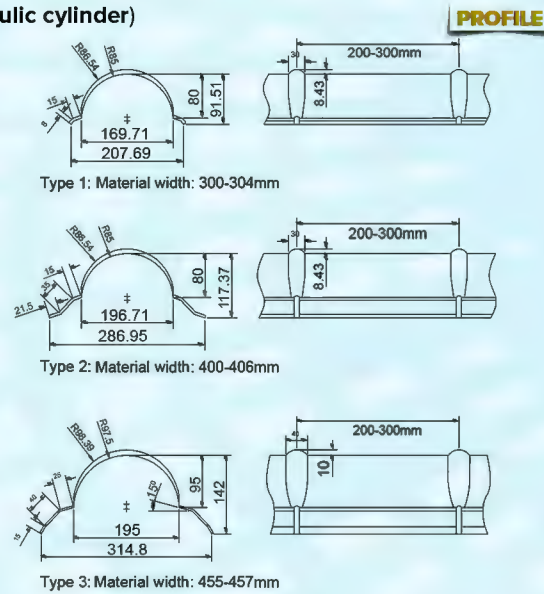
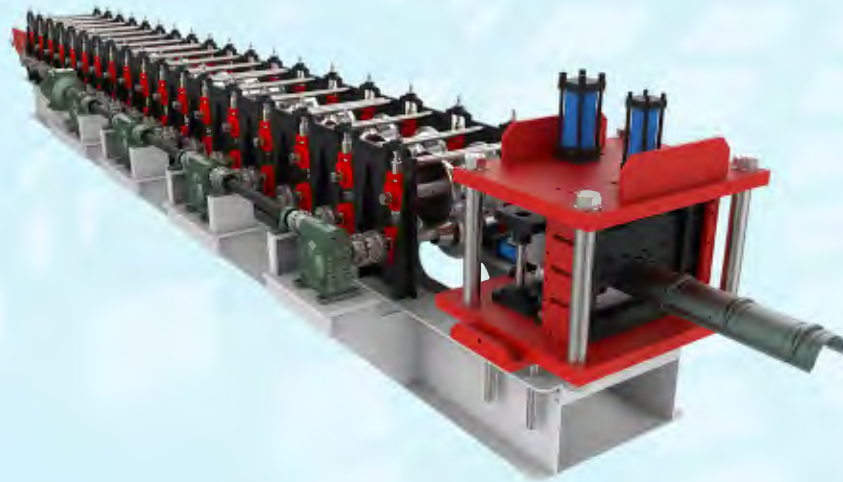
Items	DS-EH Model	DS-SH Model
Power	Transmission: 11 kw + 11 kw Motor-Pump: 11 kw	Transmission: 15kw + 15 kw Motor-Pump: 15 kw
Weight of machine	20 – 24 tons	20 – 24 tons
Dimension	L=13-15m; W=2.3-2.6m; H=1.7m	L=12-14m; W=2.3-2.6m; H=1.7m
Forming speed	Step tile deck: 5 meters/minute Roofing deck: 30 meters/minute	Step tile deck: 8 meters/minute Roofing deck: 35meters/minute
Roller stations	Step tile deck: 12 - 26 Roofing deck: 20 - 32	Step tile deck: 12 - 26 Roofing deck: 20 - 32
Transmission system	Electric motor and gear box	Servo motor and gear box
Pre-Cutting	Hydraulic cylinder	Hydraulic cylinder
Profile Cutting	Hydraulic cylinder	Hydraulic cylinder
Pressing	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	Step tile deck: 0.25 - 0.5mm Roofing deck: 0.2 - 0.5mm	Step tile deck: 0.25 - 0.5mm Roofing deck: 0.2 - 0.5mm
Material width	Step tile deck: 914/ 940/ 1200/ 1220/ 1250mm Roofing deck: 914/ 940/ 1200/ 1220/ 1250/ 1450mm	Step tile deck: 914/ 940/ 1200/ 1220/ 1250mm Roofing deck: 914/ 940/ 1200/ 1220/ 1250/ 1450mm
Material Yield Strength	Step tile deck: G350 - G450 Mpa (GI/PPGI, GL/PPGL) Roofing deck: G350 - G550 Mpa (GI/PPGI, GL/PPGL)	Step tile deck: G350 - G450 Mpa (GI/PPGI, GL/PPGL) Roofing deck: G350 - G550 Mpa (GI/PPGI, GL/PPGL)

BRAND OF COMPONENTS

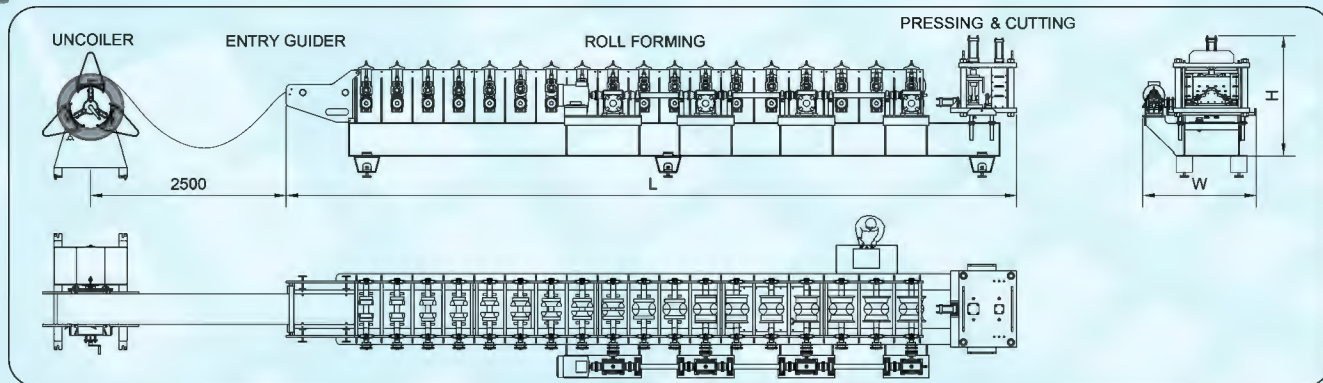
- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVIT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJII/ LS/ DELTA/ INVIT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVIT

RIDGE CAPPING MACHINE (TILE PROFILE)

RT-EH MODEL (Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)
RT-SH MODEL (Transmission by Servo motor and gear box, Cutting by Hydraulic cylinder)



LAYOUT



WORKING FLOW

Uncoiler → Guide → Roll forming → Pressing & Cutting → Run-out product

TECHNICAL DATA

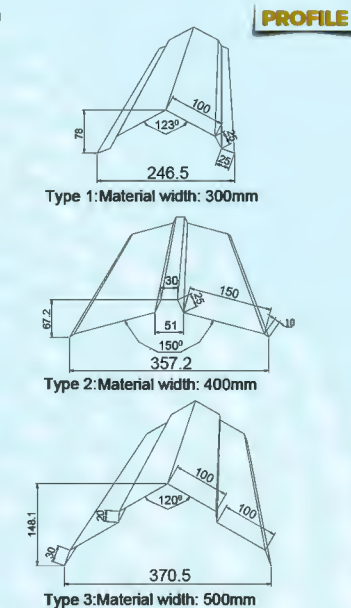
Items	RT-EH Model	RT-SH Model
Power	Transmission: 7.5 kw Motor - Pump: 7.5 kw	Transmission: 7.5 kw Motor - Pump: 7.5 kw
Weight of machine	6 tons	6 tons
Dimension	L=9m; W=1.3m; H=1.5m	L=9m; W=1.3m; H=1.5m
Forming speed	6 - 8 meters/ minute	10 - 12 meters/ minute
Roller stations	18 - 20	18 - 20
Transmission system	Electric motor and gear box	Servo motor and gear box
Profile Cutting	Hydraulic cylinder	Hydraulic cylinder
Pressing	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.25 - 0.5 mm	0.25 - 0.5 mm
Material width	300/ 400/ 457 mm	300/ 400/ 457 mm
Material Yield Strength	G350 - G450 Mpa (GI/PPGI, PPGL)	G350 - G450 Mpa (GI/PPGI, PPGL)

BRAND OF COMPONENTS

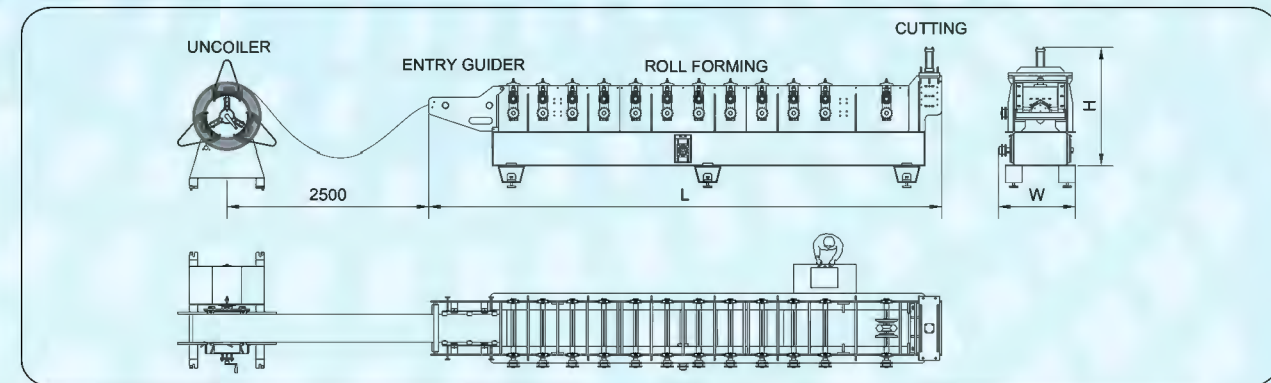
- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

RIDGE CAPPING MACHINE (LONG SPAN PROFILE)

RL-HD MODEL (Transmission by Hydraulic motor, Cutting by Hydraulic cylinder)
RL-EH MODEL (Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)



LAYOUT



WORKING FLOW

Uncoiler → Guide → Roll forming → Profile cutting → Run-out product

TECHNICAL DATA

Items	RL-HD Model	RL-EH Model
Power	Motor - Pump: 7.5 kw	Transmission: 7.5 kw Motor - Pump: 3.7 kw
Weight of machine	4 - 6 tons	4 - 6 tons
Dimension	L=6-7m; W=0.8m; H=1.5m	L=6-7m; W=1.0m; H=1.5m
Forming speed	20 meters/ minute	30 meters/ minute
Roller stations	14 - 16	14 - 16
Transmission system	Hydraulic motor	Electric motor and gear box
Profile Cutting	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.2 - 0.6 mm	0.2 - 0.6 mm
Material width	300/ 400/ 500 mm	300/ 400/ 500 mm
Material Yield Strength	G450 - G550 Mpa (GI/PPGI, PPGL)	G450 - G550 Mpa (GI/PPGI, PPGL)

BRAND OF COMPONENTS

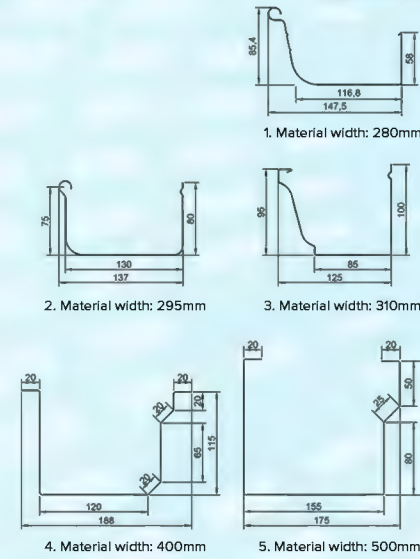
- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

GT-HD MODEL (20 meters/ minute, Transmission by Hydraulic motor, Cutting by Hydraulic cylinder)

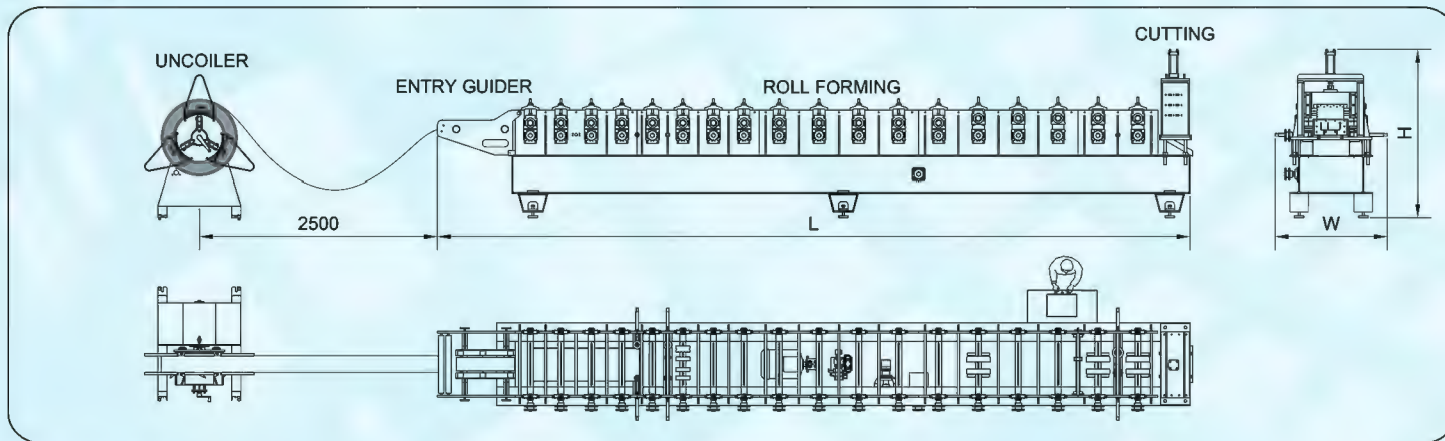
GT-EH MODEL (30 meters/ minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)



PROFILE



LAYOUT



WORKING FLOW Uncoiler → Guide → Roll forming → Profile Cutting → Run-out Product

TECHNICAL DATA

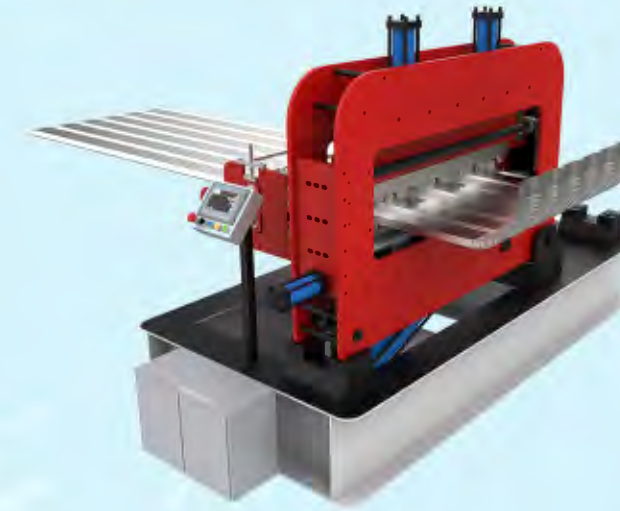
Items	GT-HD Model	GT-EH Model
Power	Motor - Pump: 7.5-11kw	Transmission: 7.5 - 11 kw Motor - Pump: 5.5 kw
Weight of machine	6 – 8 tons	6 – 8 tons
Dimension	L=7-9m; W=1m; H=1.5m	L=7-9m; W=1.2m; H=1.5m
Forming speed	20 meters/ minute	30 meters/ minute
Roller stations	16 - 22	16 - 22
Transmission system	Hydraulic motor	Electric motor and gear box
Profile cutting	Hydraulic Cylinder	Hydraulic Cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.3 - 0.5 mm	0.3 - 0.5 mm
Material width	280/ 295/ 310/ 400/ 500 mm	280/ 295/ 310/ 400/ 500 mm
Material Yield Strength	G450 - G550 Mpa (GI/PPGI, GL/PPGL)	G450 - G550 Mpa (GI/PPGI, GL/PPGL)

BRAND OF COMPONENTS

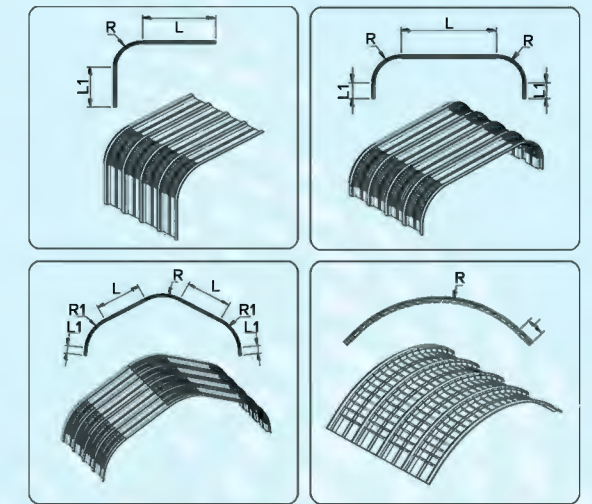
- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVIT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVIT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVIT

CR-EH MODEL (40 steps/ minute, Transmission by Gear motor, Pressing by Hydraulic cylinder)

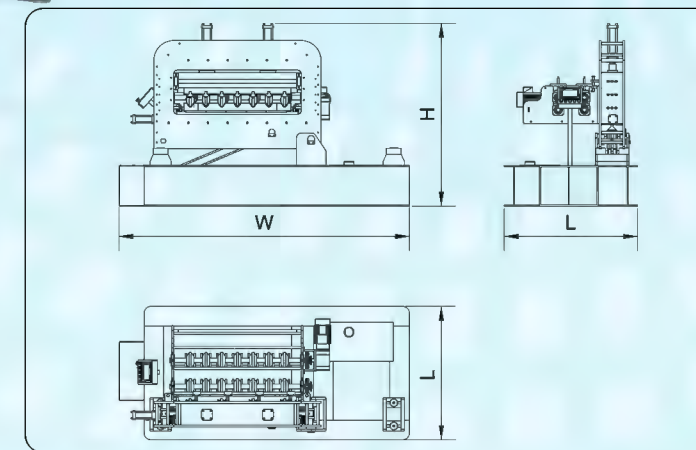
CR-SH MODEL (50 steps/ minute, Transmission by Servo motor and gear box, Pressing by Hydraulic cylinder)



PROFILE



LAYOUT



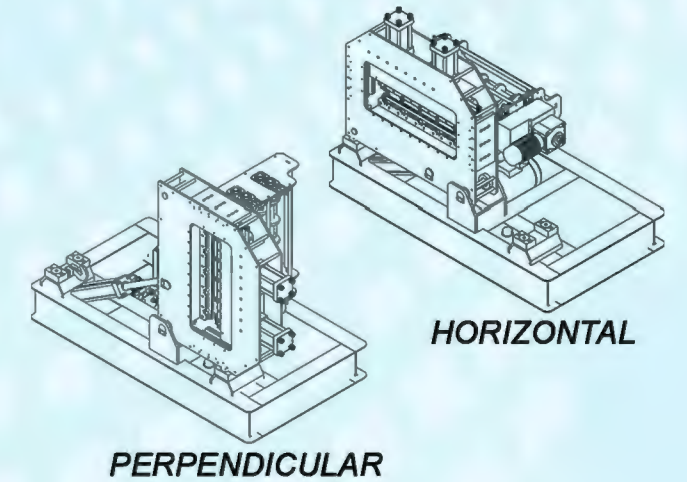
WORKING FLOW Roofing product → Guide → Pressing → Run-out Product

TECHNICAL DATA

Items	CR-EH Model	CR-SH Model
Power	Transmission: 2.2 kw Motor - Pump : 5.5 kw	Transmission: 2.2 kw Motor - Pump: 7.5 kw
Weight of machine	3.5 tons	3.5 tons
Dimension	L=1.3m; W=2.5m; H=1.8m	L=1.3m; W=2.5m; H=1.8m
Forming speed	40 steps/ minute	50 steps/ minute
Transmission system	Gear motor	Servo motor and gear box
Pressing system	Hydraulic cylinder	Hydraulic cylinder
Mold	Made by SKD11	Made by SKD11
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.25 - 0.6mm	0.25 - 0.6mm
Material Yield Strength	G300 - G550 Mpa (GI/PPGI, GL/PPGL)	G300 - G550 Mpa (GI/PPGI, GL/PPGL)
Minimum Radius	450 mm	450 mm
L1 (min)	100 mm	100 mm
L (min)	400 mm	400 mm

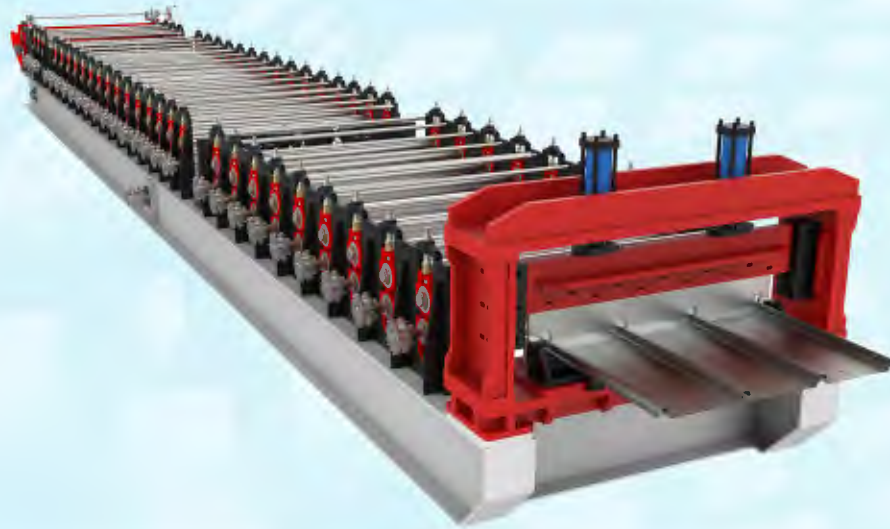
BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVIT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVIT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVIT

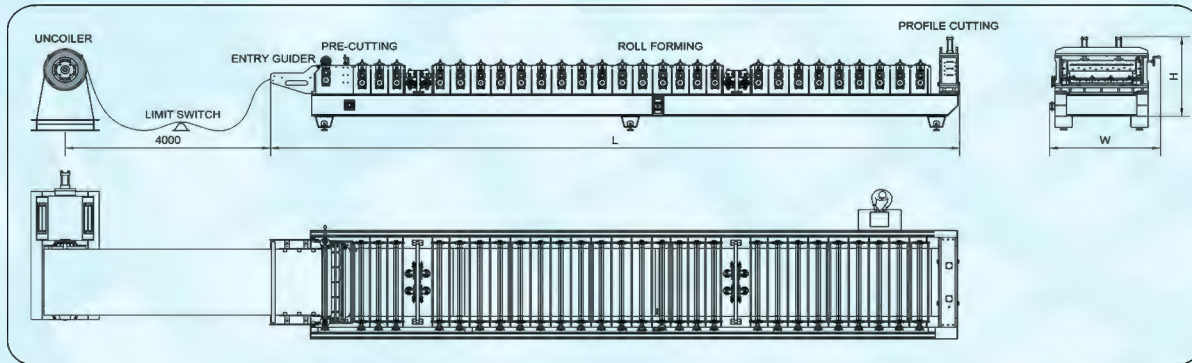


KL-HD MODEL (20 meters/ minute, Transmission by Hydraulic motor, Cutting by Hydraulic cylinder)

KL-EH MODEL (25 meters/ minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)



LAYOUT



WORKING FLOW

Pre-Cutting
Uncoiler → Guide → Roll forming → Profile Cutting → Run-out Product

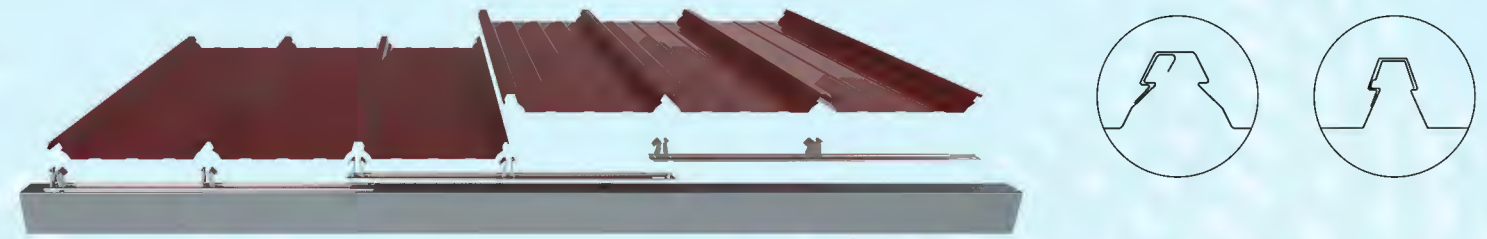
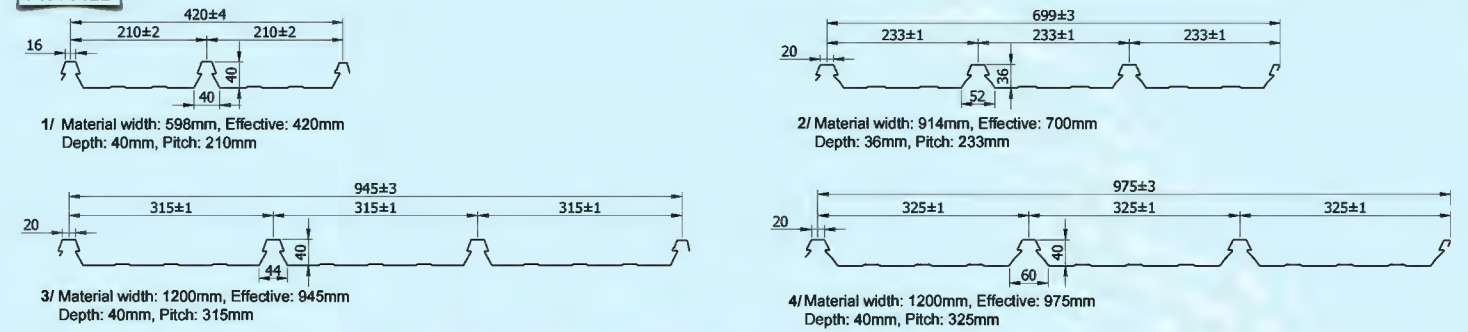
TECHNICAL DATA

Items	KL-HD Model	KL-EH Model
Power	Motor - Pump: 11 - 15 kw	Transmission: 15 - 22 kw Motor - Pump: 7.5 kw
Weight of machine	14 - 16 tons	14 - 16 tons
Dimension	L=12-14m; W=1.7m; H=1.7m	L=12-14m; W=1.9m; H=1.7m
Forming speed	16 - 20 meters/ minute	22 - 25 meters/ minute
Roller stations	28 - 40	28 - 40
Transmission system	Hydraulic motor	Electric motor and gear box
Profile Cutting	Hydraulic cylinder	Hydraulic cylinder
Pre-Cutting	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.4 - 0.6 mm	0.4 - 0.6 mm
Material width	598/ 914/ 1200/ 1220 mm	598/ 914/ 1200/ 1220 mm
Material Yield Strength	G400 - G550 Mpa (GI/PPGI, PPGL)	G400 - G550 Mpa (GI/PPGI, PPGL)

BRAND OF COMPONENTS

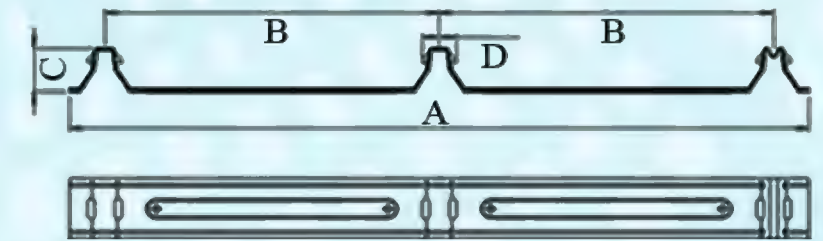
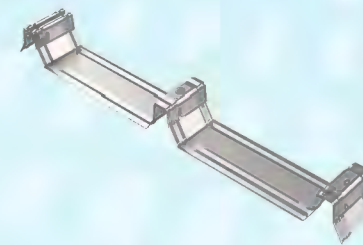
- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

PROFILE

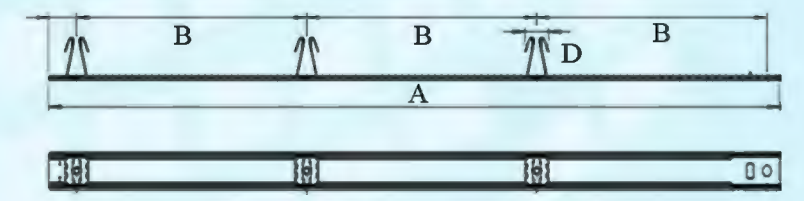


BRACKET

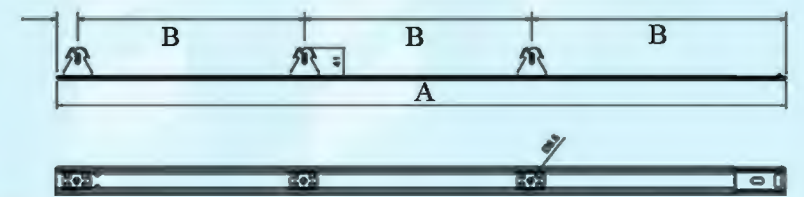
Type 1



Type 2



Type 3



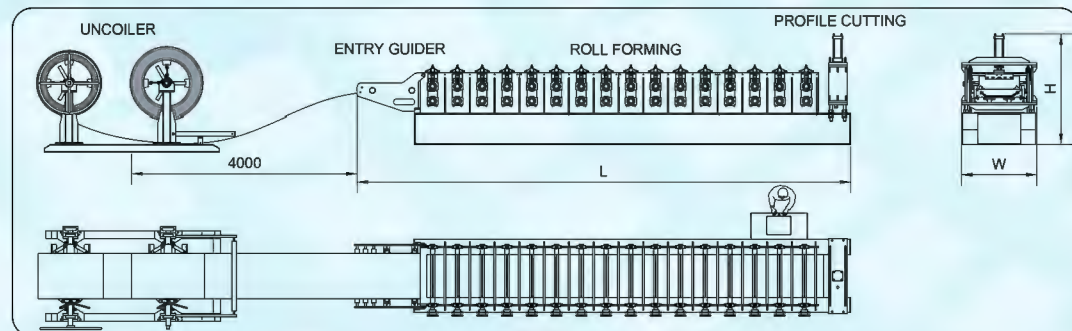
Items	Type 1	Type 2	Type 3
Bracket width effective	420 mm	700 - 995 mm	700 - 995 mm
Bracket depth	60 mm	40 mm	40 mm
Bracket height	40 mm	40 mm	40 mm
Material thickness	0.8 - 1.2 mm	0.8 - 1.2 mm	0.8 - 1.2 mm
Material Yield Strength	G550 Mpa	G550 Mpa	G550 Mpa

SL-HD MODEL (20 meters/minute, Transmission by **Hydraulic motor**, Cutting by **Hydraulic cylinder**)

SL-EH MODEL (30 meters/minute, Transmission by **Electric motor and gear box**, Cutting by **Hydraulic cylinder**)



LAYOUT



WORKING FLOW

Uncoiler → Guide → Roll forming → Profile Cutting → Run-out Product

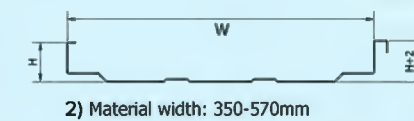
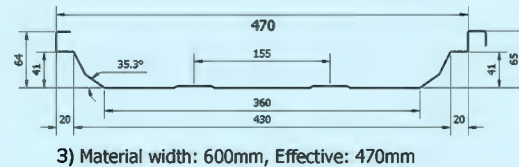
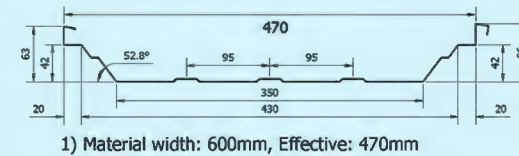
TECHNICAL DATA

Items	SL-HD model	SL-EH model
Power	Motor - Pump: 7.5 kw	Transmission: 11 kw Motor - Pump: 5.5 kw
Weight of machine	6 - 7 tons	6 - 7 tons
Dimension	L=6.0-7.5m; W=1m; H=1.6m	L=6.0-7.5m; W=1m; H=1.6m
Forming speed	18 - 20 meters/ minute	25 - 30 meters/ minute
Roller stations	14 - 18	14 - 18
Transmission system	Hydraulic motor	Electric motor and gear box
Profile Cutting	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.35 - 0.6 mm	0.35 - 0.6 mm
Material width	400/ 457/ 500/ 600 mm	400/ 457/ 500/ 600 mm
Material Yield Strength	G400 - G550 Mpa (GI/PPGI, PPGL)	G400 - G550 Mpa (GI/PPGI, PPGL)

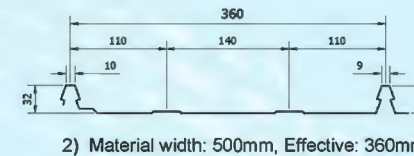
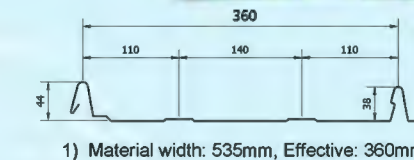
BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVNT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVNT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVNT

SEAMLOCK PROFILE

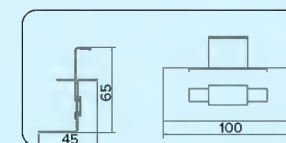
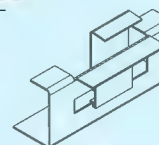


STANDING SEAM PROFILE

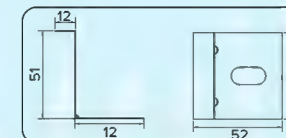


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Type 1:



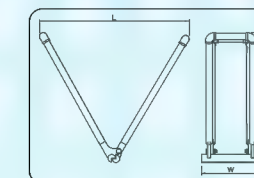
Type 2:



TECHNICAL DATA

Items	Type 1	Type 2
Material thickness	0.3 - 0.5 mm	0.3 - 0.5 mm
Effect dimension	45 mm x 100 mm	50 mm x 52 mm
Material Yield Strength	Stainless steel	Stainless steel

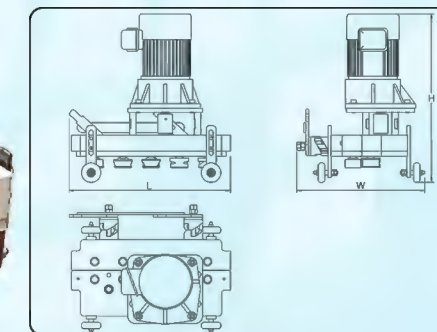
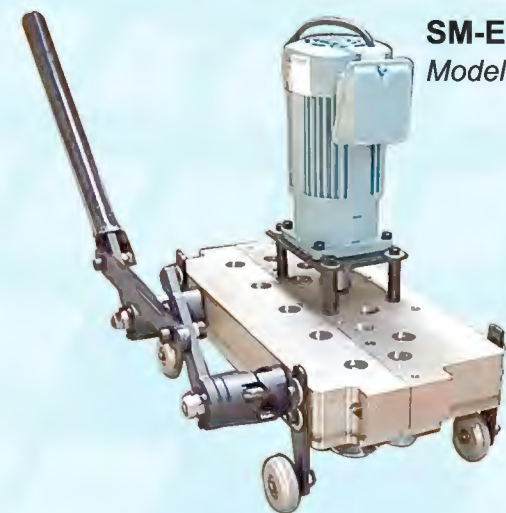
LOCK HAND SEAMER



TECHNICAL DATA

Items	KI-S1 (Step 1)	KI-S2 (Step 2)
Weight	7kgs	8kgs
Clamp length	300 mm	300 mm
Handle length	560 mm	590 mm

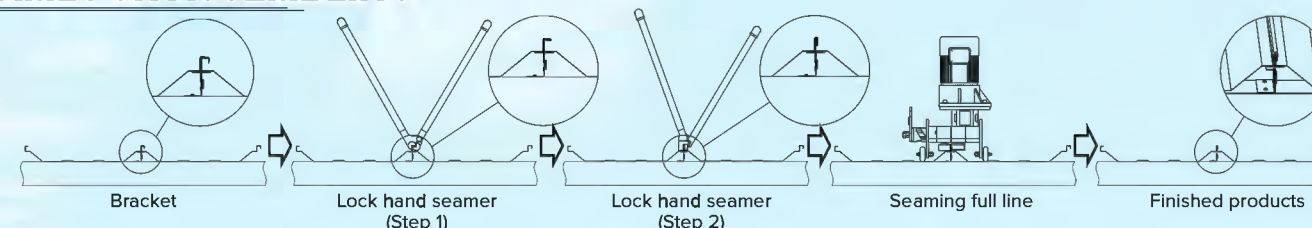
SEAMER



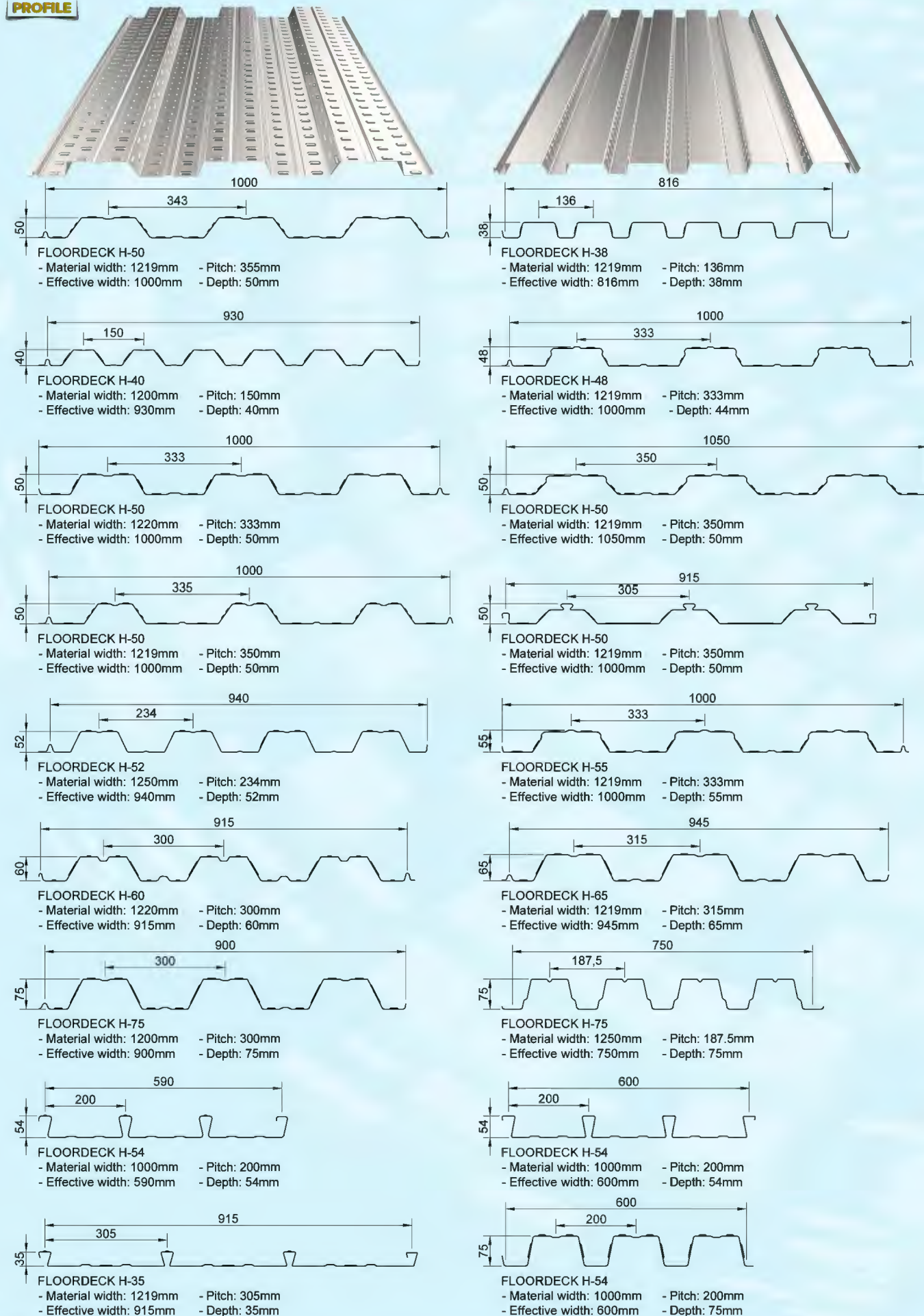
TECHNICAL DATA

Items	SM-EL model
Power	220VAC 1P 0.75 kw
Weight of seamer	45 kgs
Dimension	L=0.49m; W=0.35m; H=0.4m
Speed	5 meters/ minute
Transmission	Gear motor

SEAMLOCK ASSEMBLING



PROFILE

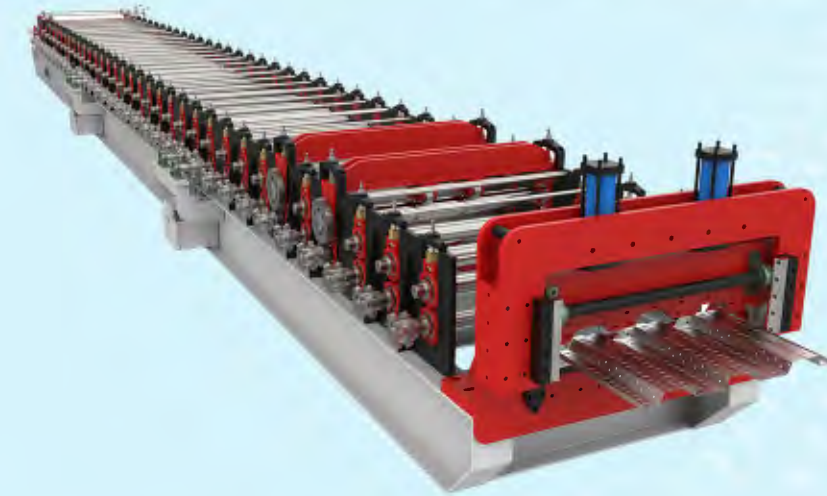


FD-HD MODEL

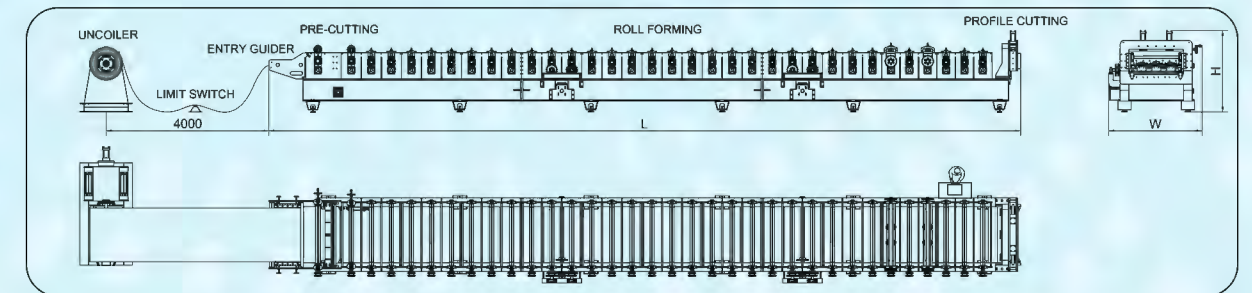
(18 meters/minute, Transmission by Hydraulic motor, Cutting by Hydraulic cylinder)

FD-EH MODEL

(25 meters/minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)



LAYOUT



WORKING FLOW

Uncoiler → Guide → Roll forming → Profile cutting → Run-out product

TECHNICAL DATA

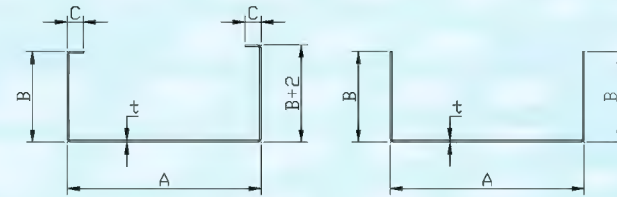
Items	FD-HD Model	FD-EH Model
Power	Motor - Pump: 22 - 30 kw	Transmission: 22 - 45 kw Motor - Pump: 11 - 15 kw
Weight of machine	20 - 25 tons	20 - 25 tons
Dimension	L=12-22m; W=1.8m; H1.9m	L=12-22m; W=2.1m; H=1.9m
Forming speed	16 - 18 meters/ minute	22 - 25 meters/ minute
Roller stations	32 - 42	32 - 42
Transmission system	Hydraulic motor	Electric motor and gear box
Profile Cutting	Hydraulic cylinder	Hydraulic cylinder
Pre-Cutting	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.7 - 1.6 mm	0.7 - 1.6 mm
Material width	1200 - 1250 mm	1200 - 1250 mm
Material Yield Strength	G350 - G550 Mpa (GI, GL)	G350 - G550 Mpa (GI, GL)

BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

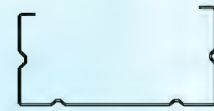
U/C TRUSS-BATTEN-FURRING MACHINE

PROFILE



A	60 - 150mm
B	40 - 55mm
C	5 - 10mm
t	0.55 - 1mm

A	60 - 150mm
B	40 - 55mm
t	0.55 - 1mm



Type A



Type B



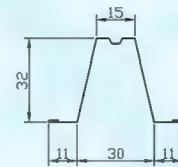
Type C



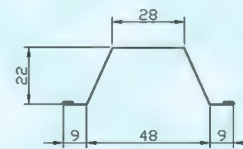
Type D



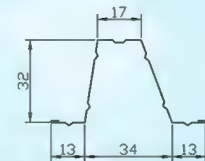
Type 1
- Depth: 23mm
- Material width: 100mm



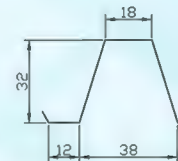
Type 2
- Depth: 32mm
- Material width: 110mm



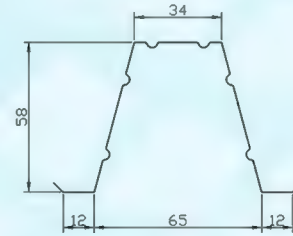
Type 3
- Depth: 22mm
- Material width: 100mm



Type 4
- Depth: 32mm
- Material width: 115mm



Type 5
- Depth: 32mm
- Material width: 115mm



Type 6
- Depth: 58mm
- Material width: 185mm



U/C TRUSS-BATTEN-FURRING MACHINE

TR-HD/ BT-HD/ FR-HD MODEL (20 meters/ minute, Transmission by Hydraulic motor, Cutting by Hydraulic cylinder)

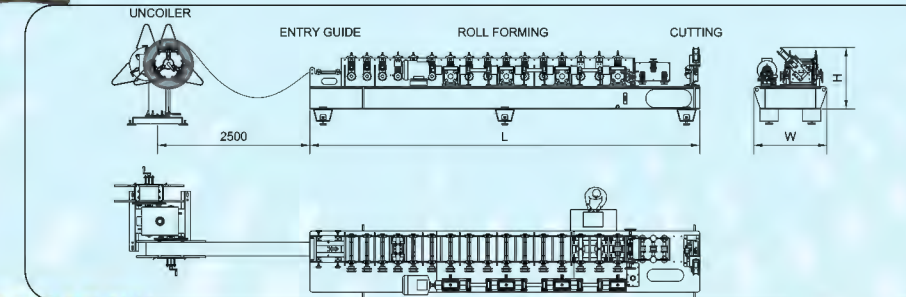
TR-EH/ BT-EH/ FR-EH MODEL (30 meters/ minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)

TECHNICAL DATA

Items	TR-HD/ BT-HD/ FR-HD Model	TR-EH/ BT-EH/ FR-EH Model
Power	Motor - Pump: 7.5 kw	Transmission: 7.5 - 11 kw Motor - Pump: 3.7 kw
Weight of machine	4 tons	5 tons
Dimension	L=4.5m; W=0.6m; H=1.4m	L=5.0-5.5m; W=1.2m; H=1.4m
Forming speed	20 meters/ minute	30 meters/ minute
Roller stations	12 - 14	14 - 16
Transmission system	Hydraulic motor	Electric motor and gear box
Profile cutting	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	C Truss: 0.55 - 1.0mm Batten: 0.35 - 0.6mm Furring: 0.25 - 0.5mm	C Truss: 0.55 - 1.0mm Batten: 0.35 - 0.6mm Furring: 0.25 - 0.5mm
Material width	C Truss: 100 - 270mm Batten: 100 - 185mm Furring: 50 - 70mm	C Truss: 100 - 270mm Batten: 100 - 185mm Furring: 50 - 70mm
Material Yield Strength	G450 - G550 Mpa (GI, GL)	G450 - G550 Mpa (GI, GL)



LAYOUT



WORKING FLOW

Uncoiler → Guide → Roll forming → Profile cutting → Run-out product

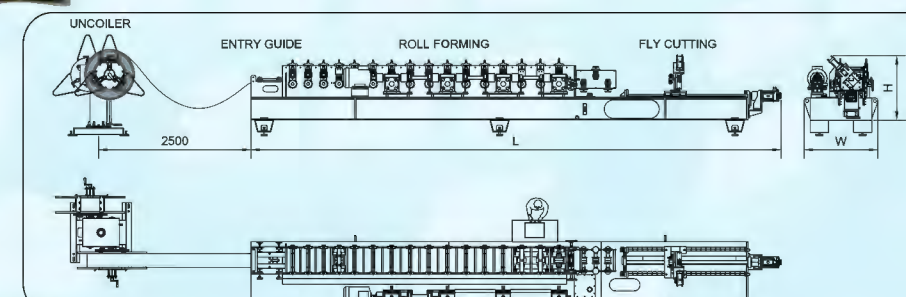
TR-FL/ BT-FL/FR-FL MODEL (60 meters/ minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder and Fly cut by Servo motor)

TECHNICAL DATA

Items	TR-FL/ BT-FL/ FR-FL Model
Power	Transmission: 11 - 15 kw Motor - Pump: 3.7 - 5.5 kw Motor - Fly cut: 4.5 - 5.5 kw
Weight of machine	6 tons
Dimension	L=6.5-7.5m; W=1.2m; H=1.4m
Forming speed	Furring : 50 meters/ minute Batten & Truss : 60meters/minute
Roller stations	14 - 16
Transmission system	Electric motor and gear box
Profile cutting	Hydraulic cylinder
Fly cut	Servo motor and ball screw
Control system	HMI, Synchronized motion control
Material thickness	C Truss: 0.55 - 1.0mm Batten: 0.35 - 0.6mm Furring: 0.25 - 0.5mm
Material width	C Truss: 100 - 270mm Batten: 100 - 185mm Furring: 50 - 70mm
Material Yield Strength	G450 - G550 Mpa (GI, GL)



LAYOUT



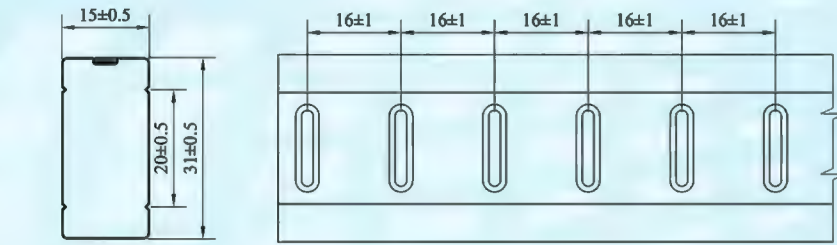
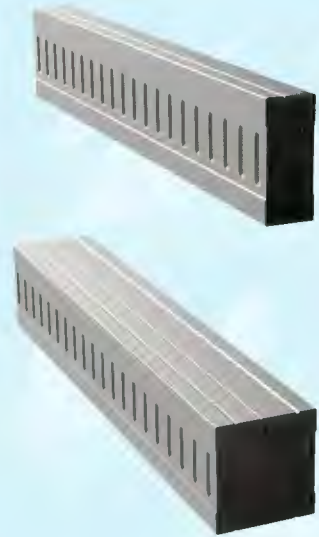
WORKING FLOW

Uncoiler → Guide → Roll forming → Profile fly cutting → Run-out product

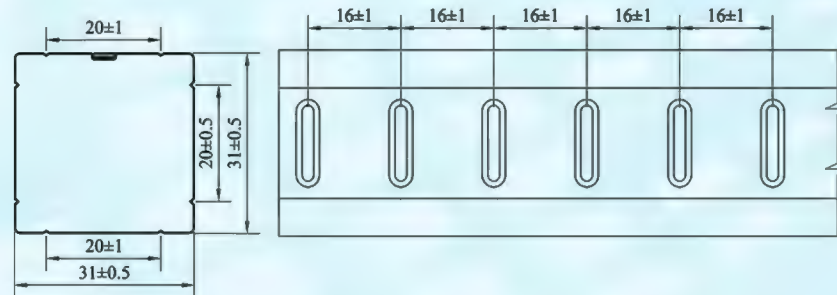
BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVIT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVIT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVIT

PROFILE



Type 1. Material width : 101mm



Type 2. Material width : 135mm

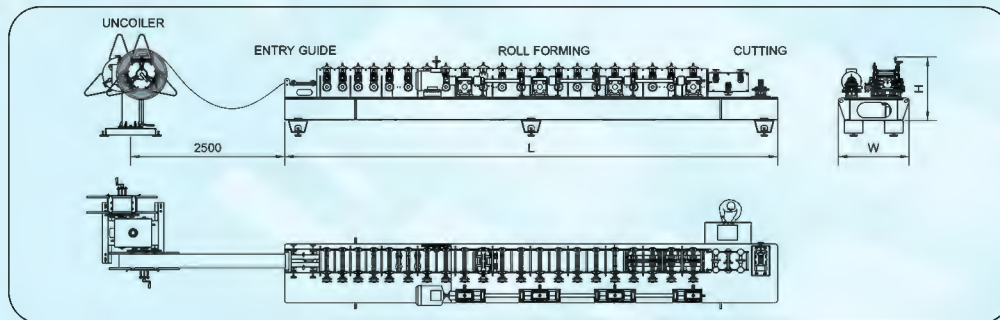
HL-EA MODEL (30 meters/ minute, Transmission by Electric motor and gear box, Cutting by Pneumatic cylinder)



TECHNICAL DATA

Items	HL-EA Model
Power	Transmission: 7.5 kw
Weight of machine	8 tons
Dimension	L=7m; W=1.1m; H=1.2m
Forming speed	25 - 30 meters/ minute
Roller stations	21
Transmission system	Electric motor and gear box
Profile cutting	Pneumatic cylinder
Control system	PLC, HMI automatic programmable
Material thickness	0.2 - 0.35 mm
Material width	100 - 150 mm
Material Yield Strength	G450 – G550 Mpa (GI, GL)

LAYOUT



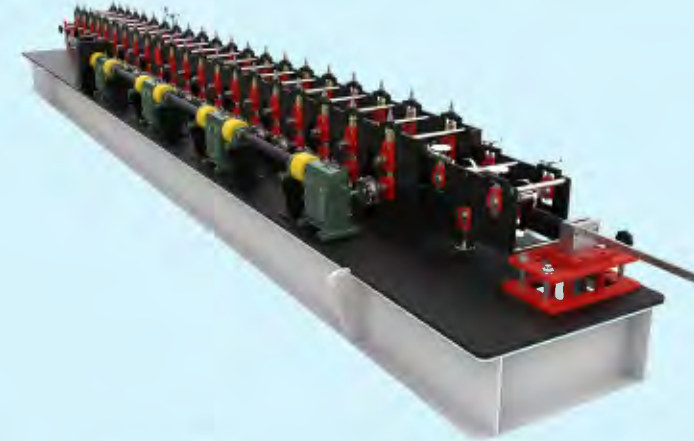
WORKING FLOW

Uncoiler → Guide → Roll forming → Profile Cutting → Run-out Product

BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

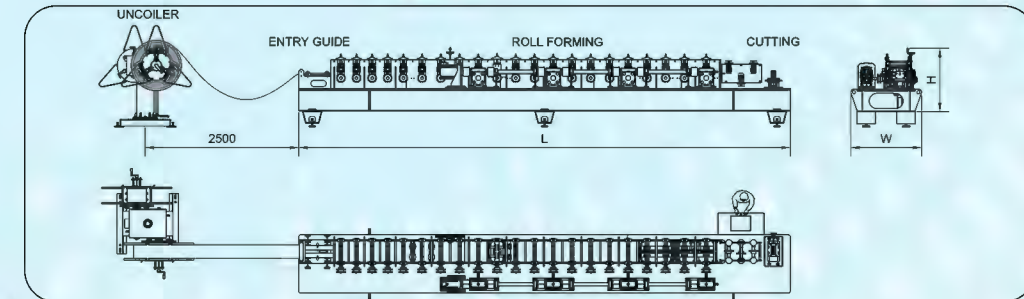
HL-SA MODEL (40 meters/ minute, Transmission by Servo motor and gear box, Cutting by Pneumatic cylinder)



TECHNICAL DATA

Items	HL-SA Model
Power	Transmission: 7.5 kw
Weight of machine	8 tons
Dimension	L=7m; W=1.1m; H=1.2m
Forming speed	35 - 40 meters/ minute
Roller stations	21
Transmission system	Servo motor and gear box
Profile cutting	Pneumatic cylinder
Control system	PLC, HMI automatic programmable
Material thickness	0.2 - 0.35 mm
Material width	100 - 150 mm
Material Yield Strength	G450 – G550 Mpa (GI, GL)

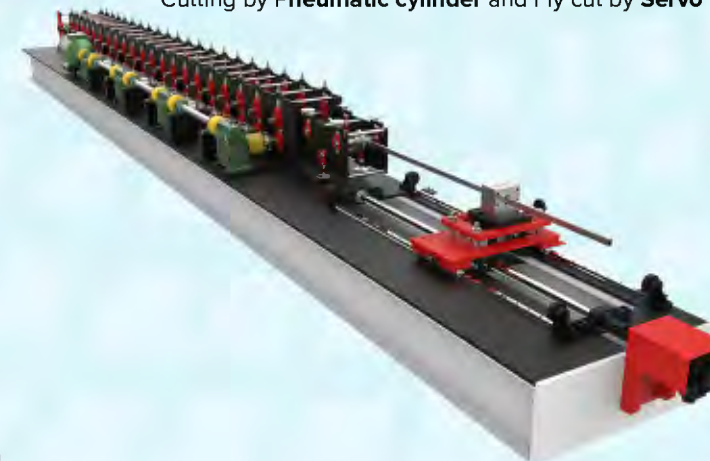
LAYOUT



WORKING FLOW

Uncoiler → Guide → Roll forming → Profile Cutting → Run-out Product

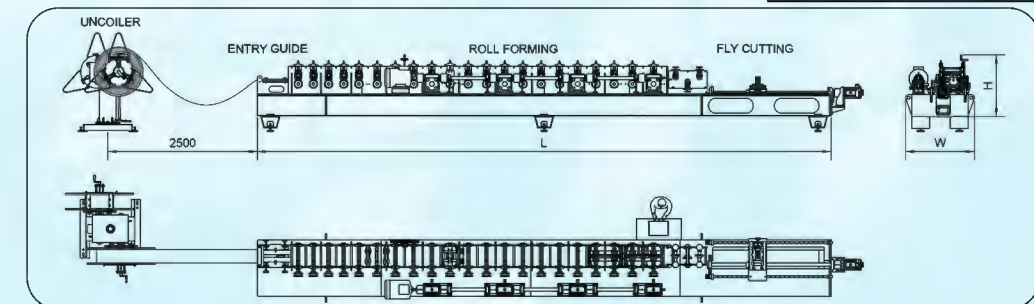
HL-FL MODEL (50 meters/ minute, Transmission by Electric motor and gear box, Cutting by Pneumatic cylinder and Fly cut by Servo motor)



TECHNICAL DATA

Items	HL-FL Model
Power	Transmission: 7.5 kw Motor - Fly cut: 4.4 kw
Weight of machine	9 tons
Dimension	L=9.3m; W=1.1m; H=1.2m
Forming speed	45 - 50 meters/ minute
Roller stations	21
Transmission system	Electric motor and gear box
Profile cutting	Pneumatic cylinder
Fly cut	Servo motor and ball screw
Control system	HMI, Synchronized motion control
Material thickness	0.2 - 0.35 mm
Material width	100 - 150 mm
Material Yield Strength	G450 – G550 Mpa (GI, GL)

LAYOUT



WORKING FLOW

Uncoiler → Guide → Roll forming → Profile Fly Cutting → Run-out Product

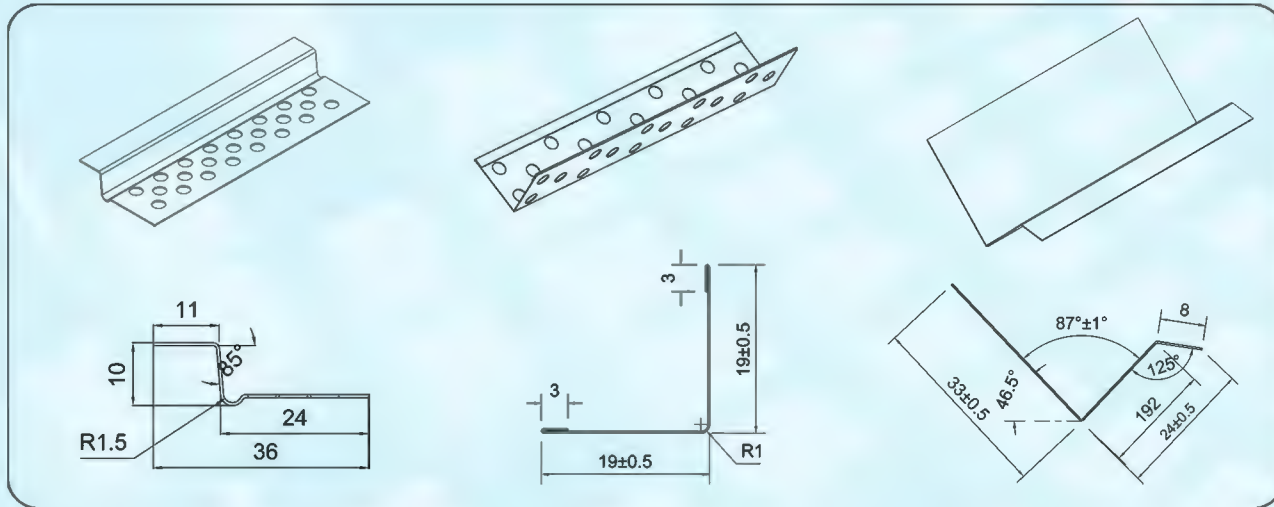
BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

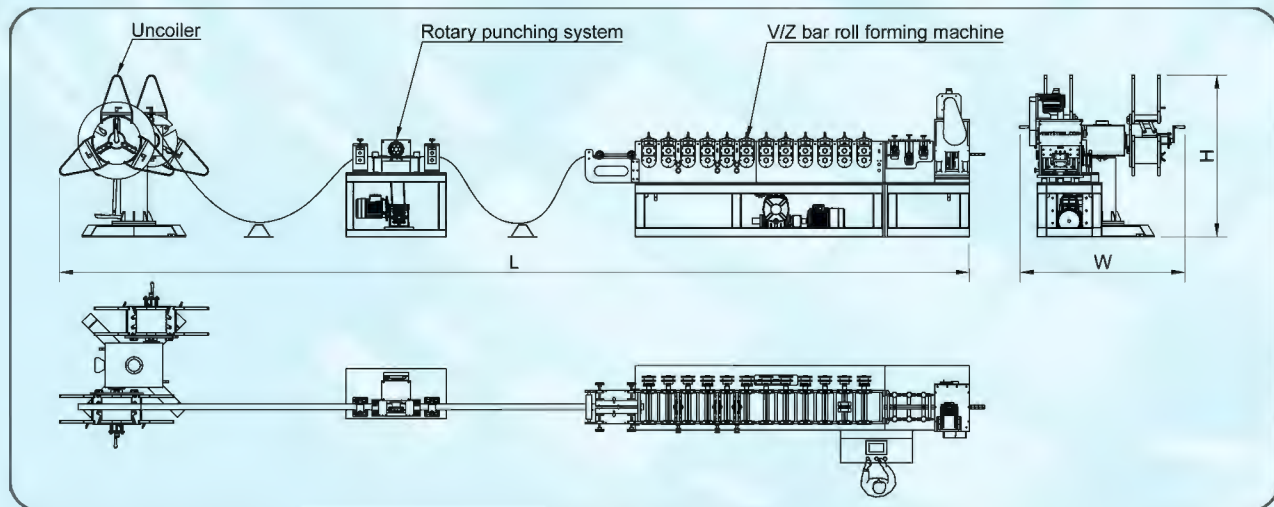
VZ-FR MODEL (60 meters/ minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder), Rotary cut by Servo motor



PROFILE



LAYOUT



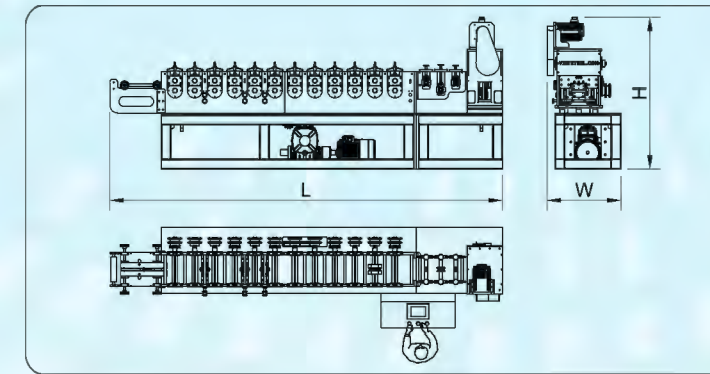
WORKING FLOW

Uncoiler → Rotary punching system → roll forming → Run-out table

V/Z BAR ROLL FORMING MACHINE



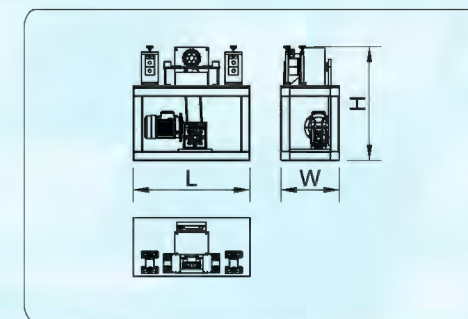
LAYOUT



ROTARY PUNCHING SYSTEM



LAYOUT



BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVNT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVNT

TECHNICAL DATA	
Items	VZ-FR Model
Power	Transmission motor: 7.5 kw Cutting motor : Servo 5.5 kw
Weight of machine	5 tons
Dimension	L=5.75m; W=0.94m; H=1.4m
Forming speed	60 meters/ minute
Roller stations	12
Transmission system	Electric motor and gear box
Rotary cut	Servo motor
Control system	HMI, Synchronized motion control
Material thickness	0.2 – 0.4 mm
Material width	38 - 48 mm
Material Yield Strength	G450 – G550 Mpa (GI, GL)

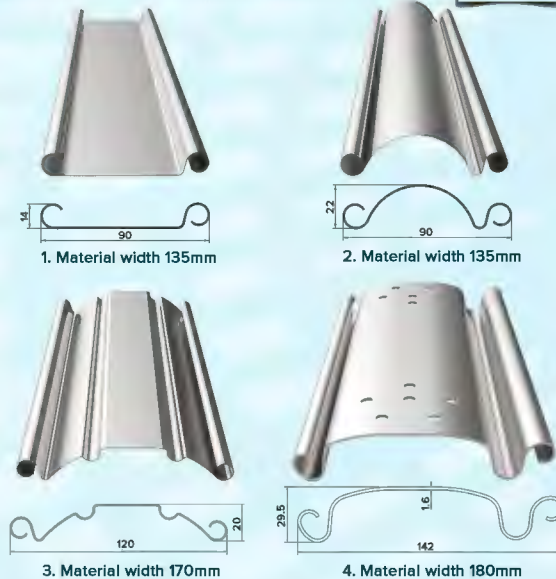
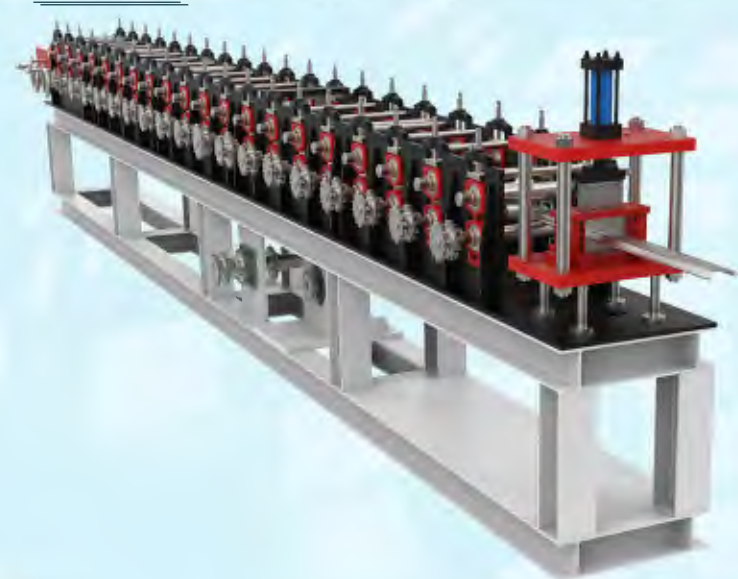
TECHNICAL DATA

Items	Model
Power	2.2 kw
Weight of machine	500 kgs
Dimension	L=1.4m; W=0.7m; H= 1.15m
Speed	60 meters/minute
Roller stations	2
Transmission system	Gear motor
Punching system	Rotary punching
Material thickness	0.2 – 0.4 mm
Material width	38 - 48 mm
Material Yield Strength	G450 – G550 Mpa

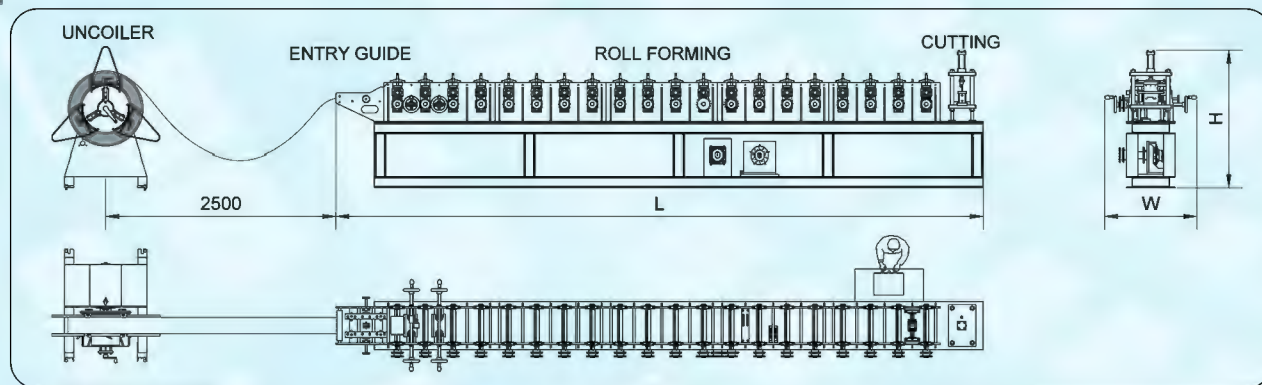
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVNT

SH-HD MODEL (20 meters/ minute, Transmission by Hydraulic motor, Cutting by Hydraulic cylinder)

SH-EH MODEL (30 meters/ minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)



LAYOUT



WORKING FLOW

Uncoiler → Guide → Punching → Roll forming → Profile cutting → Run-out product

TECHNICAL DATA

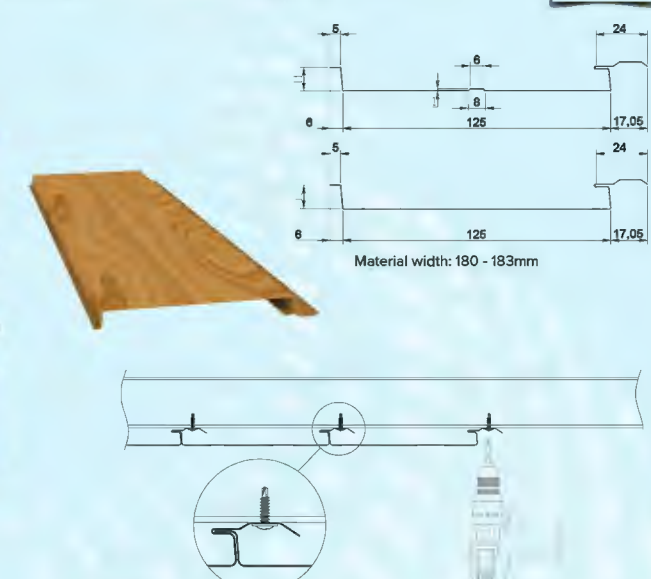
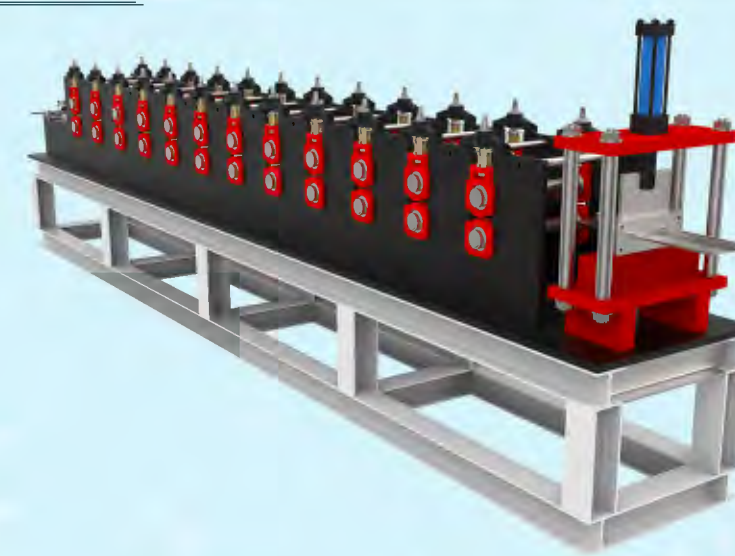
Items	SH-HD Model	SH-EH Model
Power	Motor-Pump: 7.5 – 11 kw	Transmission: 7.5 – 11 kw Motor-Pump: 5.5 – 7.5 kw
Weight of machine	6 – 7 tons	6.5 – 7.5 tons
Dimension	L=7-8m; W=1.1m; H=1.5m	L=7-8m; W=1.3m; H=1.5m
Forming speed	20 meters/ minute	30 meters/ minute
Roller stations	18 – 22	18 – 22
Transmission system	Hydraulic motor	Electric motor and gear box
Profile cutting	Hydraulic cylinder	Hydraulic cylinder
Punching system	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.75 - 1.2 mm / 1.2 – 1.6 mm	0.75 - 1.2 mm / 1.2 - 1.6 mm
Material width	135/ 170/ 180/ 215 mm	135/ 170/ 180/ 215 mm
Material Yield Strength	G400 - G550 Mpa (GI/PPGI, GL/PPGL)	G400 - G550 Mpa (GI/PPGI, GL/PPGL)

BRAND OF COMPONENTS

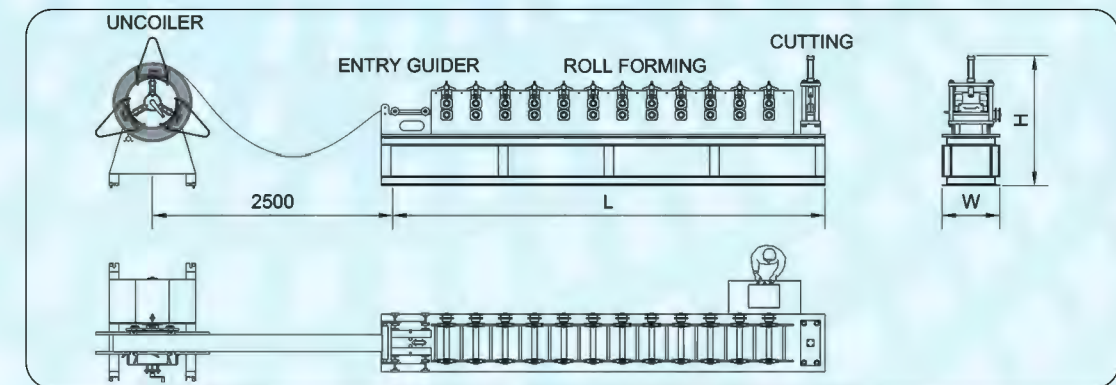
- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

CL-HD MODEL (20 meters/ minute, Transmission by Hydraulic motor, Cutting by Hydraulic cylinder)

CL-EH MODEL (30 meters/ minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)



LAYOUT



WORKING FLOW

Uncoiler → Guide → Roll forming → Profile cutting → Run-out product

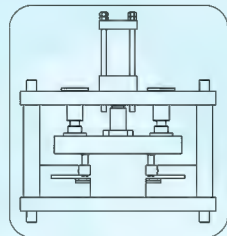
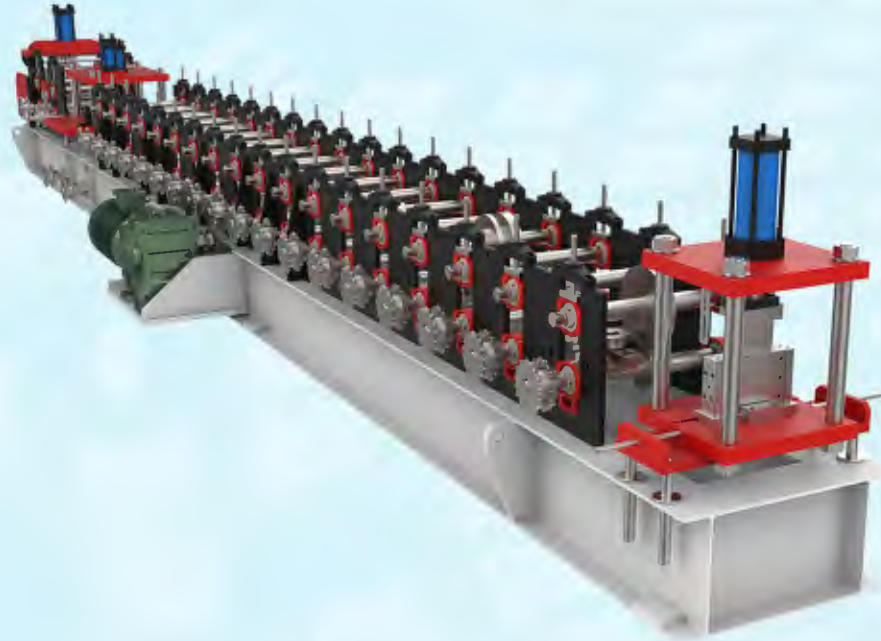
TECHNICAL DATA

Items	CL-HD Model	CL-EH Model
Power	Motor-Pump: 5.5 kw	Transmission: 7.5 kw Motor-Pump: 3.7 kw
Weight of machine	3.5 tons	4 tons
Dimension	L=4.5m; W=0.7m; H=1.4m	L=4.5m; W=1.0m; H=1.4m
Forming speed	20 meters/ minute	30 meters/ minute
Roller stations	12 - 14	12 - 14
Transmission system	Hydraulic motor	Electric motor and gear box
Profile cutting	Hydraulic cylinder	Hydraulic cylinder
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.25 – 0.5 mm	0.25 – 0.5 mm
Material width	180 – 183 mm	180 – 183 mm
Material Yield Strength	G400 - G550 Mpa (GI/PPGI, GL/PPGL)	G400 - G550 Mpa (GI/PPGI, GL/PPGL)

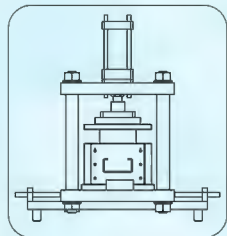
BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

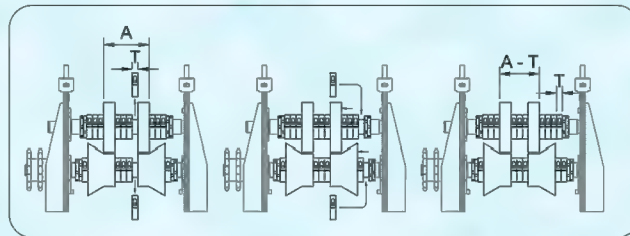
PC-HM / PZ-HM MODEL (Changing size by Spacer, Cutting technology by Profile cutting; Transmission by Hydraulic motor)



Punching system



Profile cutting

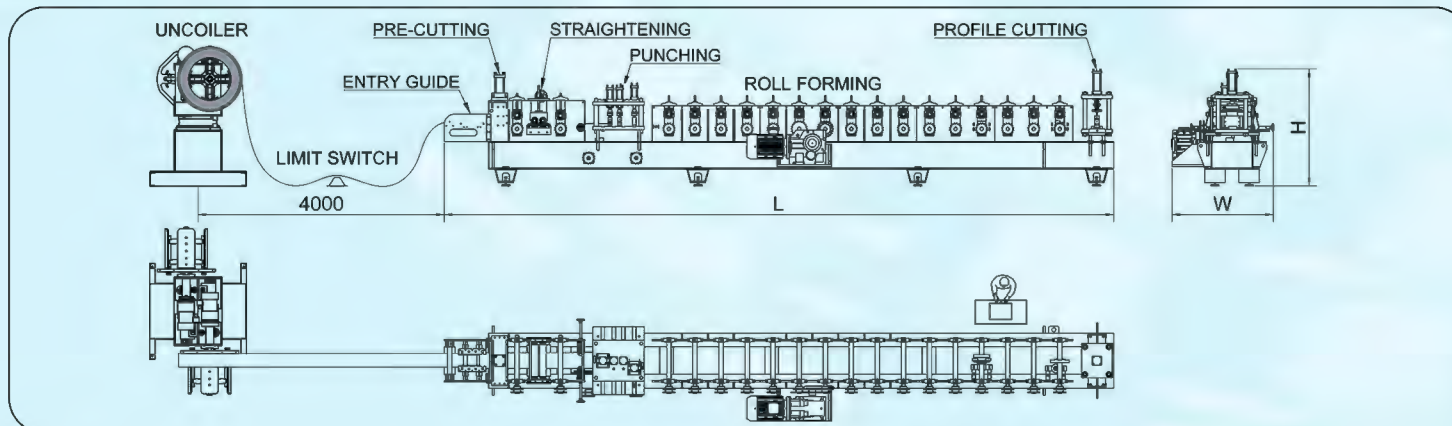


Size adjustment by SPACER

PRODUCT DIRECTION



LAYOUT

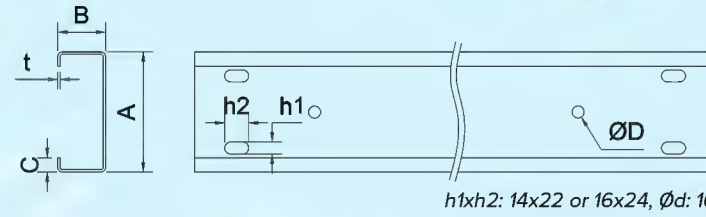


WORKING FLOW

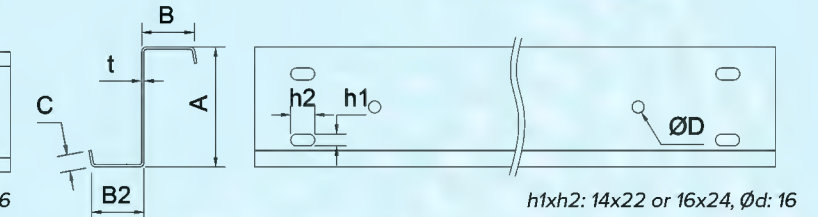
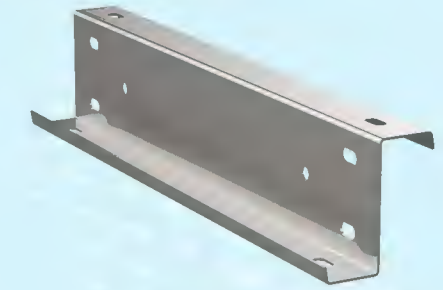
Uncoiler → Guide → Straighten → Punching → Roll forming → Profile cutting → Run-out Product

PROFILE

C SECTION



Z SECTION



Size	A	B	C	t	Coil width
C100	100	40 - 50	16 - 22	1.2 - 2.4	200 - 221
C125	125	40 - 50	16 - 22	1.2 - 2.4	225 - 246
C150	150	45 - 70	16 - 22	1.2 - 2.4	260 - 311
C175	175	50 - 75	16 - 22	1.2 - 2.4	295 - 346
C200	200	50 - 80	16 - 22	1.2 - 2.4	320 - 381
C250	250	50 - 80	16 - 22	1.2 - 2.4	370 - 431
C300	300	60 - 100	16 - 22	1.5 - 3.2	437 - 513
C350	350	60 - 100	16 - 22	1.5 - 3.2	487 - 563

Size	A	B	B2	C	t	Coil width
Z100	100	40 - 60	46 - 66	16 - 22	1.2 - 2.4	206 - 227
Z125	125	40 - 60	46 - 66	16 - 22	1.2 - 2.4	231 - 252
Z150	150	45 - 70	51 - 76	16 - 22	1.2 - 2.4	266 - 317
Z175	175	50 - 75	56 - 81	16 - 22	1.2 - 2.4	301 - 352
Z200	200	50 - 80	56 - 86	16 - 22	1.2 - 2.4	326 - 387
Z250	250	50 - 80	56 - 86	16 - 22	1.2 - 2.4	376 - 437
Z300	300	60 - 100	66 - 106	16 - 22	1.5 - 3.2	443 - 519
Z350	350	60 - 100	66 - 106	16 - 22	1.5 - 3.2	493 - 569

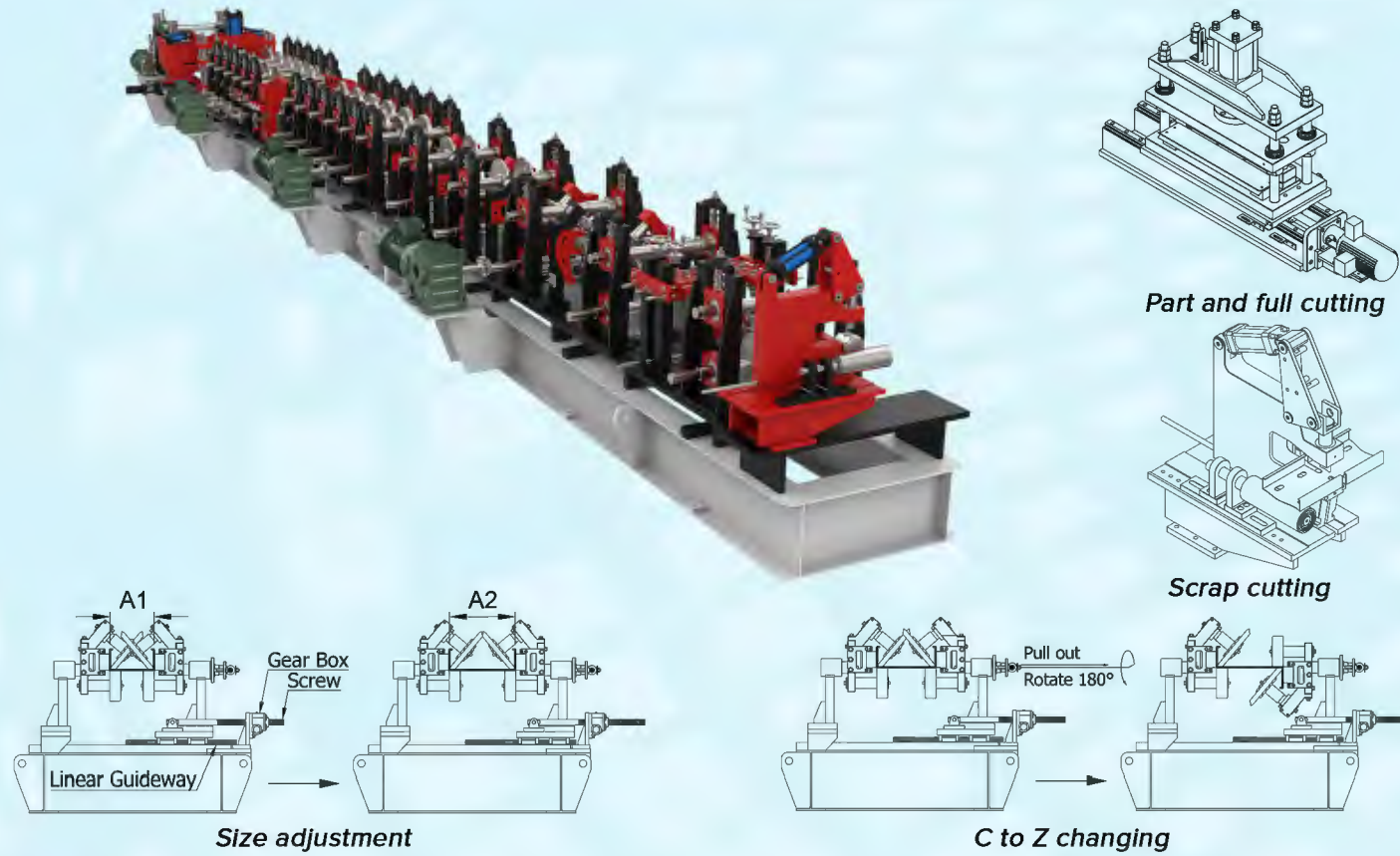
TECHNICAL DATA

Model	PC-HM / PZ-HM
Power	Motor - pump: 22kw - 63cc
Weight of machine	12 - 14 tons
Dimension	L=10m; W=2.5m, H=2.2m
Forming speed	12-16 meters/minute (w/o punching) Lower with punching
Roller stations	20
Transmission system	Hydraulic motor
Cutting system	Hydraulic cylinder
Cutting technology	Profile cutting
Punching system	Hydraulic cylinder
Punching technology	03 separate punching stations
Control system	PLC, HMI automatic programmable
Size range	C100 - C350 / Z100 - Z350
Size changed	By spacers
Material thickness	1.2 - 3.2 mm
Material width	200 mm - 600 mm
Material Yield Strength	G300 - G550 Mpa

BRAND OF COMPONENTS

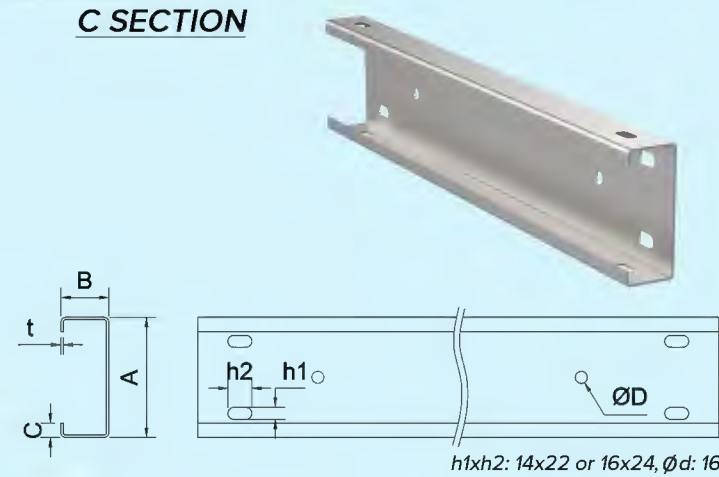
- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

CZ-EA MODEL (Fully Automatic CZ combination, Transmission by Gear motor)

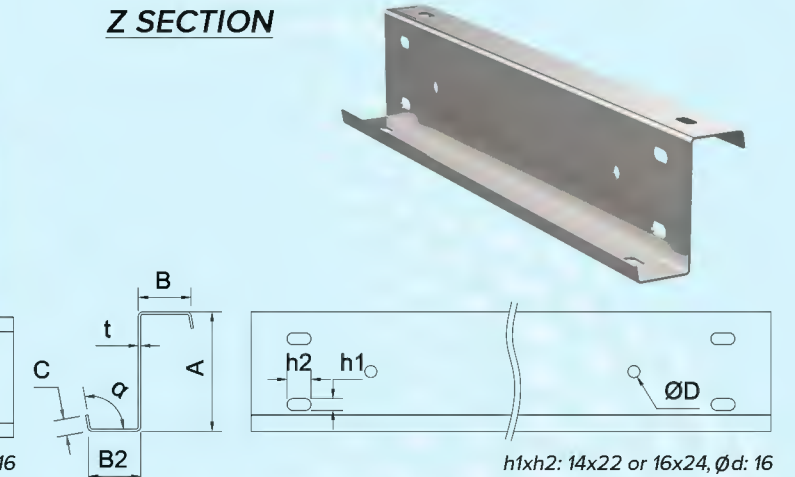


PROFILE

C SECTION



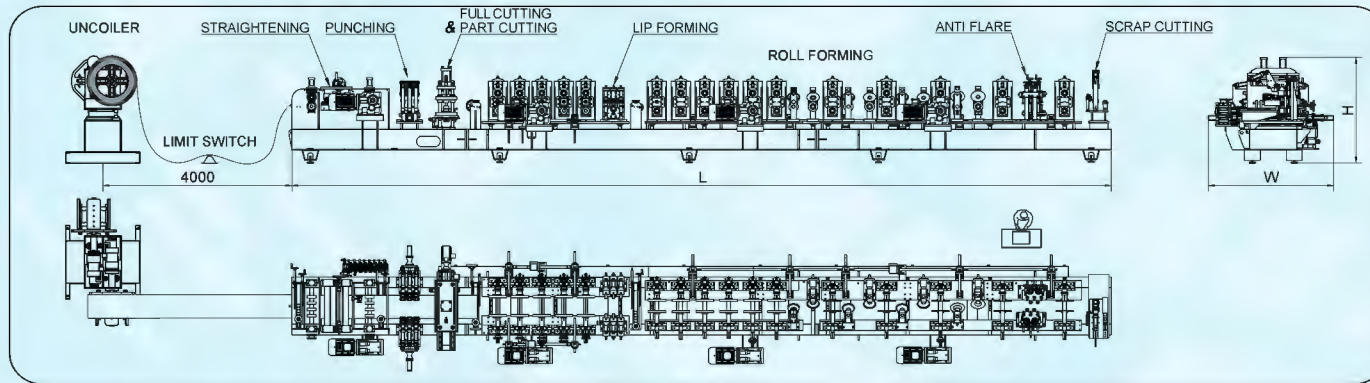
Z SECTION



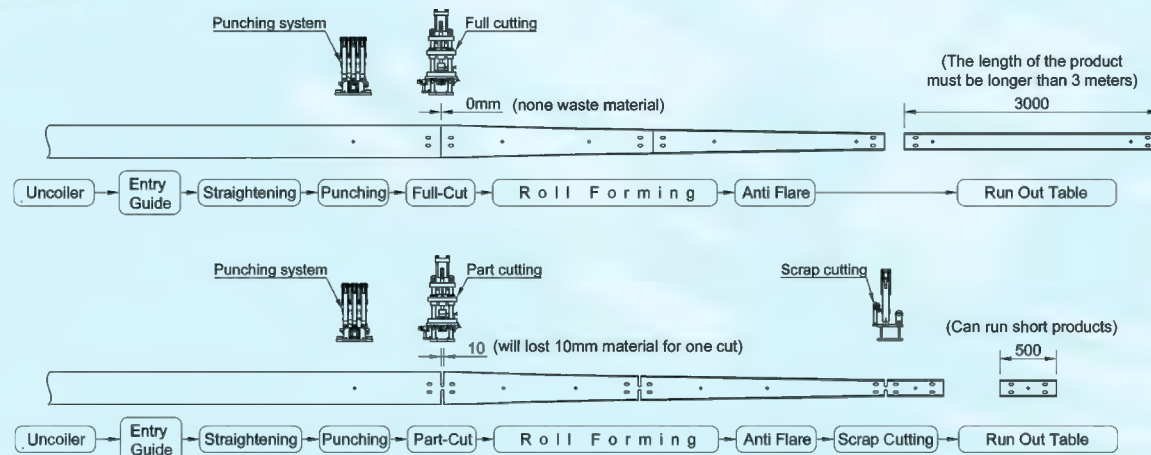
Size	A	B	C	t	Coil width
C100	100	40 - 50	16 - 22	1.2 - 2.4	200 - 221
C125	125	40 - 50	16 - 22	1.2 - 2.4	225 - 246
C150	150	45 - 70	16 - 22	1.2 - 2.4	260 - 311
C175	175	50 - 75	16 - 22	1.2 - 2.4	295 - 346
C200	200	50 - 80	16 - 22	1.2 - 2.4	320 - 381
C250	250	50 - 80	16 - 22	1.2 - 2.4	370 - 431
C300	300	60 - 100	16 - 22	1.5 - 3.2	437 - 513
C350	350	60 - 100	16 - 22	1.5 - 3.2	487 - 563

Size	A	B	B2	C	t	Coil width
Z100	100	40 - 60	46 - 66	16 - 22	1.2 - 2.4	206 - 227
Z125	125	40 - 60	46 - 66	16 - 22	1.2 - 2.4	231 - 252
Z150	150	45 - 70	51 - 76	16 - 22	1.2 - 2.4	266 - 317
Z175	175	50 - 75	56 - 81	16 - 22	1.2 - 2.4	301 - 352
Z200	200	50 - 80	56 - 86	16 - 22	1.2 - 2.4	326 - 387
Z250	250	50 - 80	56 - 86	16 - 22	1.2 - 2.4	376 - 437
Z300	300	60 - 100	66 - 106	16 - 22	1.5 - 3.2	443 - 519
Z350	350	60 - 100	66 - 106	16 - 22	1.5 - 3.2	493 - 569

LAYOUT



WORKING FLOW



TECHNICAL DATA

Model	CZ-EA Model
Power	Total power: ~56Kw Transmission: (2x15kw) + 5.5kw Motor - pump: 11kw Motor - Punch : 2x2.0kw Size changed : 3x1.5kw
Weight of machine	28 tons
Dimension	L=16m; W=2.5m, H=2.3m
Forming speed	18 - 20 meters/minute (w/o punching) Lower with punching
Roller stations	20
Transmission system	Gear motor
Cutting system	Hydraulic cylinder
Cutting technology	Part-cutting and scrap cutting
Punching system	Hydraulic cylinder
Punching technology	03 separate punching stations, Position reached by servo
Control system	PLC, HMI automatic programmable
Size range	C100 - C350 and Z100 - Z350
Size changed	Automatic By Electric motor
Material thickness	1.2 - 3.2 mm
Material width	200 - 600 mm
Material Yield Strength	G300 - G550 Mpa

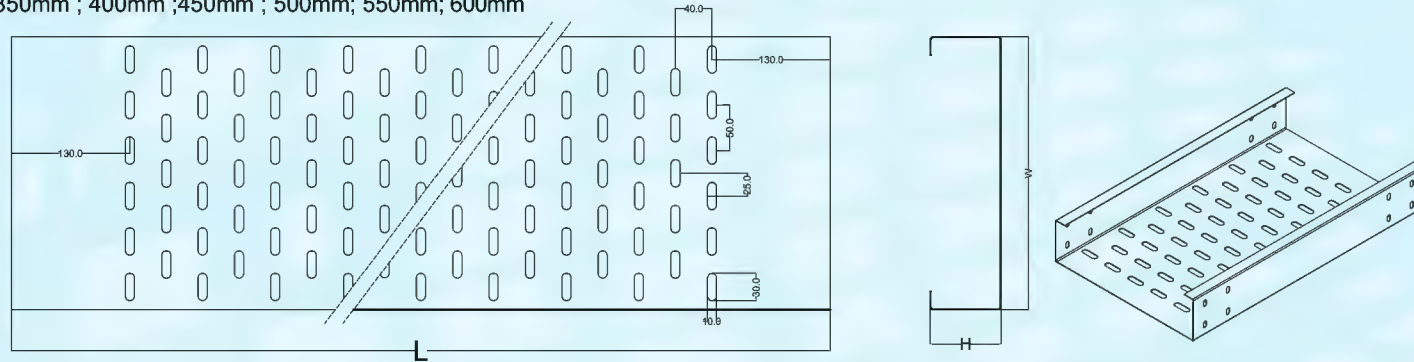
BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

PROFILE

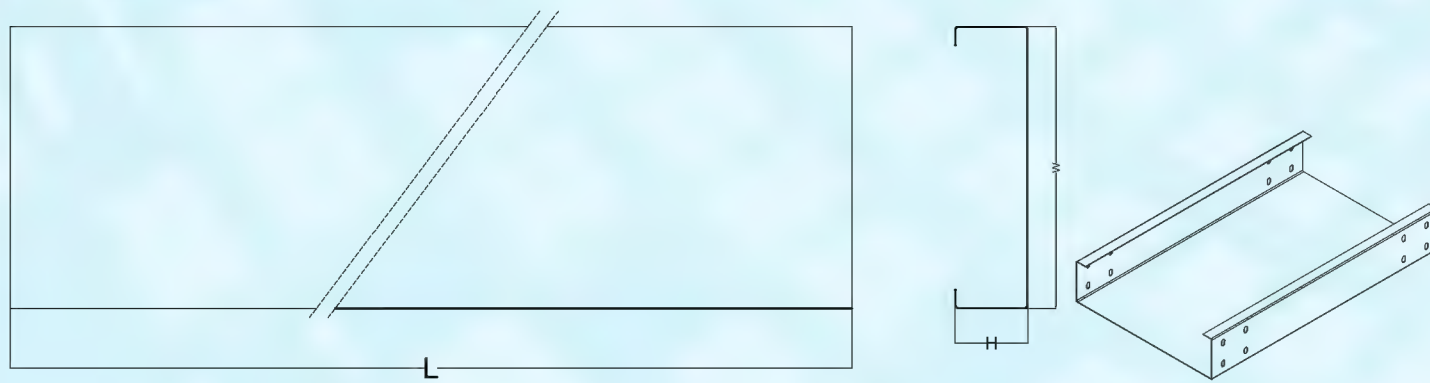
CABLE TRAY PROFILE

L : 1000mm - 6000mm
 H : 50mm ; 75mm ; 100mm
 W : 100 ; 150mm ; 200mm ; 250mm ; 300mm ;
 350mm ; 400mm ; 450mm ; 500mm ; 550mm ; 600mm



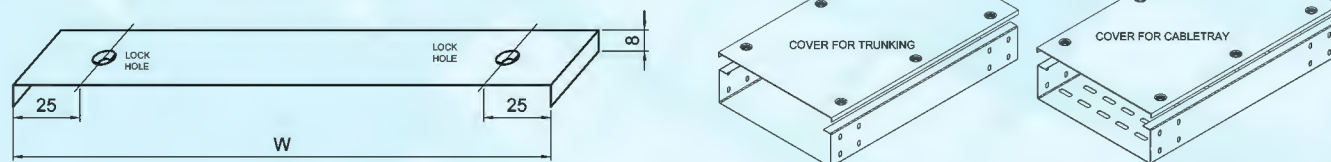
TRUNKING PROFILE

L : 1000mm - 6000mm
 H : 50mm ; 75mm ; 100mm
 W : 100 ; 150mm ; 200mm ; 250mm ; 300mm ;
 350mm ; 400mm ; 450mm ; 500mm ; 550mm ; 600mm



COVER

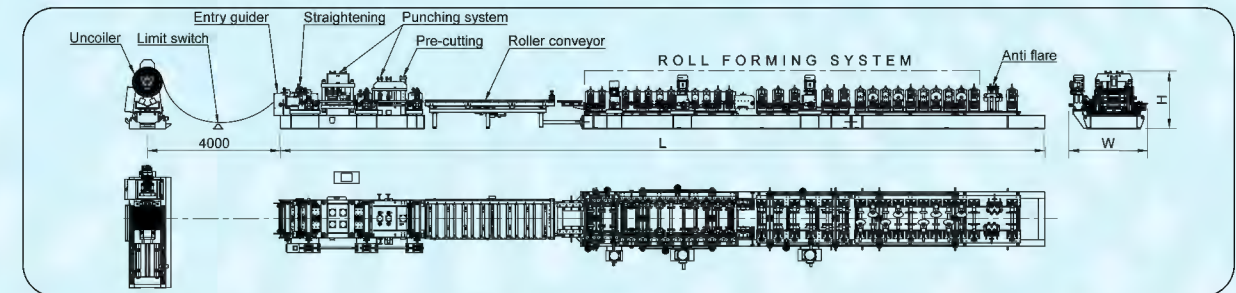
L : 1000mm - 6000mm
 W : 100 ; 150mm ; 200mm ; 250mm ; 300mm ;
 350mm ; 400mm ; 450mm ; 500mm ; 550mm ; 600mm



CB-EA MODEL (Automatically changing size, Transmission by Electric motor and gear box)



LAYOUT



WORKING FLOW

Uncoller → Guide → Straightening → Punching system → Pre-cutting → Roll conveyor → Roll forming → Anti flare → Run-out product

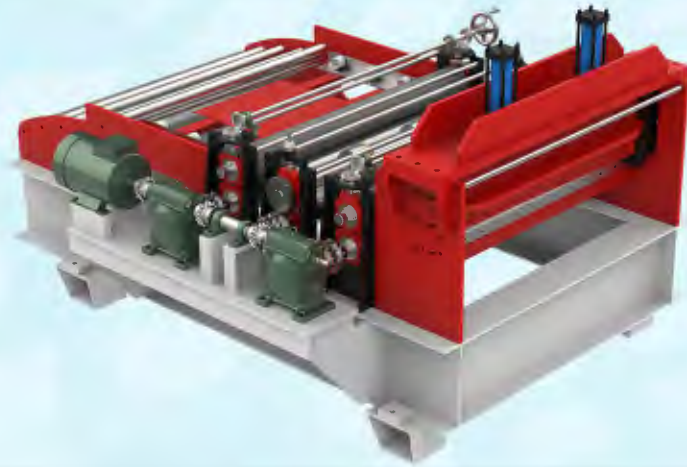
TECHNICAL DATA

Model	CB - EA Model
Power	Transmission: 11kw + 11kw + 5.5kw Motor - Infeed: 11kw Motor - pump: 11kw Size changed : 3x1.5kw
Weight of machine	30 tons
Dimension	L=14m; W=2.0m, H=1.8m
Forming speed	1 - 6 meters/minute
Roller stations	24
Transmission system	Gear motor
Pre-Cutting:	Hydraulic cylinder
Punching:	Hydraulic cylinder
Punching system	Hydraulic cylinder
Control system	PLC, HMI automatic programmable
Size changed	Automatic By Servo motor
Material thickness	0.8 - 2.0 mm
Material width	Max 820 mm
Effective width	- minimum size : 100x 50mm - maximum size : 600x 100mm
Material Yield Strength	G450 – G550 Mpa

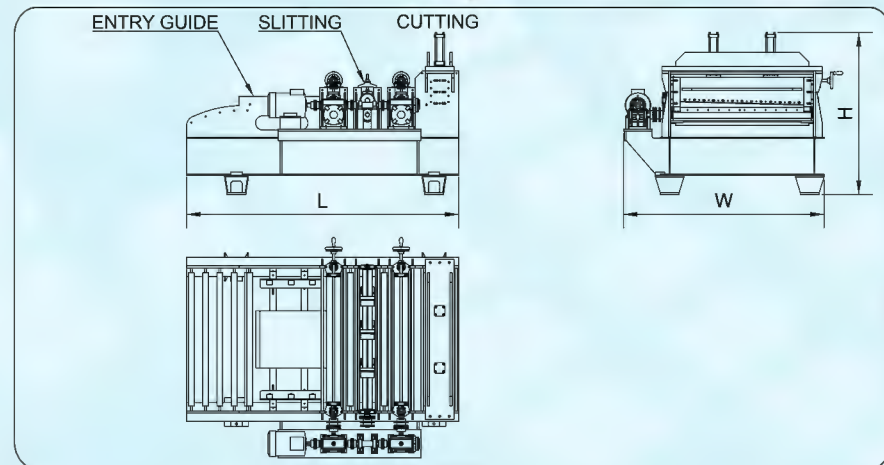
BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

- CS-HD MODEL** (20 meters/minute, Transmission by Hydraulic motor, Cutting by Hydraulic cylinder)
- CS-EH MODEL** (30 meters/minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)
- CS-EL MODEL** (40 meters/minute, Transmission & Cutting by Electric motor and gear box)



LAYOUT



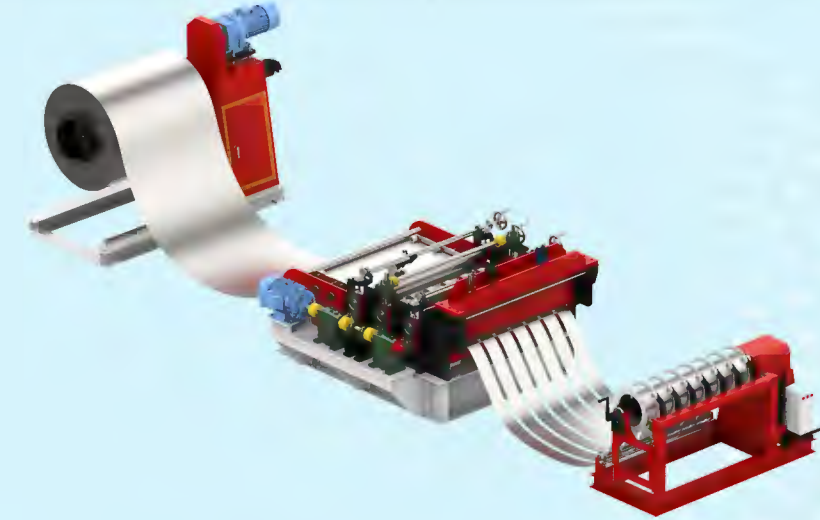
Uncoiler → Guide → Slitting → Cutting → Run-out product

WORKING FLOW

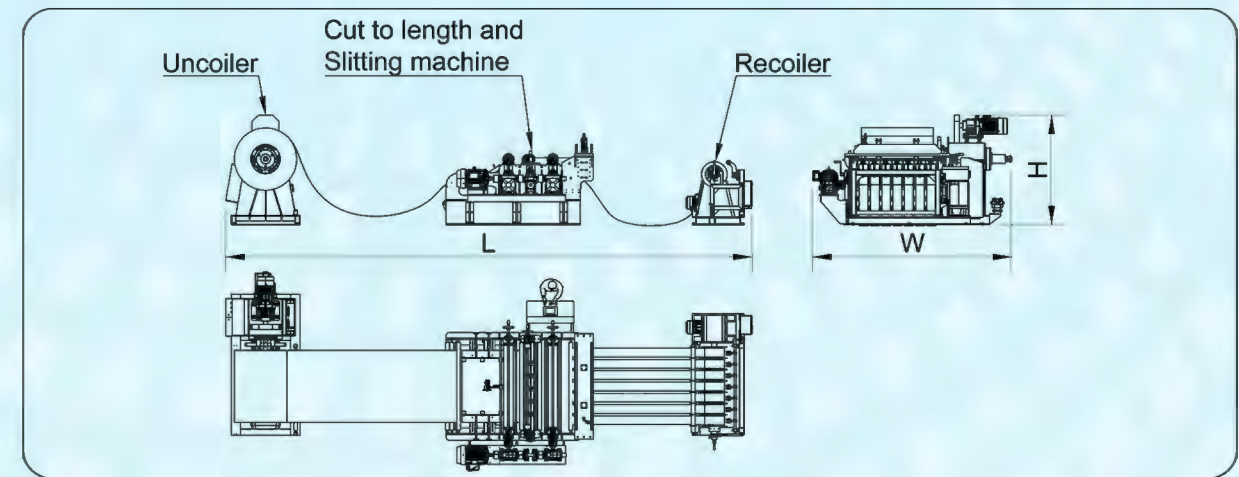
TECHNICAL DATA

Items	CS-HD Model	CS-EH Model	CS-EL Model
Power	Transmission: 7.5 kw	Transmission: 11 kw Motor-pump: 7.5 kw	Transmission: 15 kw Motor-pump: 7.5 kw
Weight of machine	2 tons	2.5 tons	3 tons
Dimension	L=2.5m; W=1.8m; H=1.6m	L=2.5m; W=2.2m; H=1.6m	L=2.5m; W=2.2m; H=1.6m
Forming speed	20 meters/ minute (length 3000mm up)	30 meters/ minute (length 3000mm up)	40 meters/ minute (length 3000mm up)
Forming rollers stations	2	2	2
Transmission system	Hydraulic motor	Electric motor and gear box	Electric motor and gear box
Cutting system	Hydraulic cylinder	Hydraulic cylinder	Electric motor and gear box
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.12 - 0.8 mm (For cutting) 0.2 - 0.8 mm (For slitting)	0.12 - 0.8 mm (For cutting) 0.2 - 0.8 mm (For slitting)	0.12 - 0.8 mm (For cutting) 0.2 - 0.8 mm (For slitting)
Material width	1220 mm	1220 mm	1220 mm
Strip width	200 - 600 mm	200 - 600 mm	200 - 600 mm
Strip quantity	6	6	6
Slitter knife	5 sets	5 sets	5 sets
Material Yield Strength	G300 - G550 Mpa (GI/PPGI, GL/PPGL)	G300 - G550 Mpa (GI/PPGI, GL/PPGL)	G300 - G550 Mpa (GI/PPGI, GL/PPGL)

- CS-EH MODEL (Full line)** (30 meters/minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)



LAYOUT



Uncoiler → Guide → Slitting → Guide → Re-coiler

WORKING FLOW

TECHNICAL DATA

Items	CS-EH Model
Power of full line	32 kw
Weight of full line	5.5 tons
Dimension of full line	L=10m; W=3.1m; H=1.9m
Forming speed	25 - 30 meters/ minute (length 3000mm up)
Forming rollers stations	2
Transmission system	Electric motor and gear box
Cutting system	Hydraulic cylinder
Control system	PLC, HMI automatic programmable
Material thickness	0.12 - 0.8 mm (For cutting) 0.2 - 0.8 mm (For slitting)
Material width	1220 mm
Material Yield Strength	G300 - G550 Mpa (GI/PPGI, GL/PPGL)
Strip width	200 - 600 mm
Strip quantity	6
Slitter knife	5 sets
Coil ID of Re-coiler	185 mm or 290 mm
Coil's length of Re-coiler	30 - 150 meters
Capacity's total of Re-coiler	1 ton

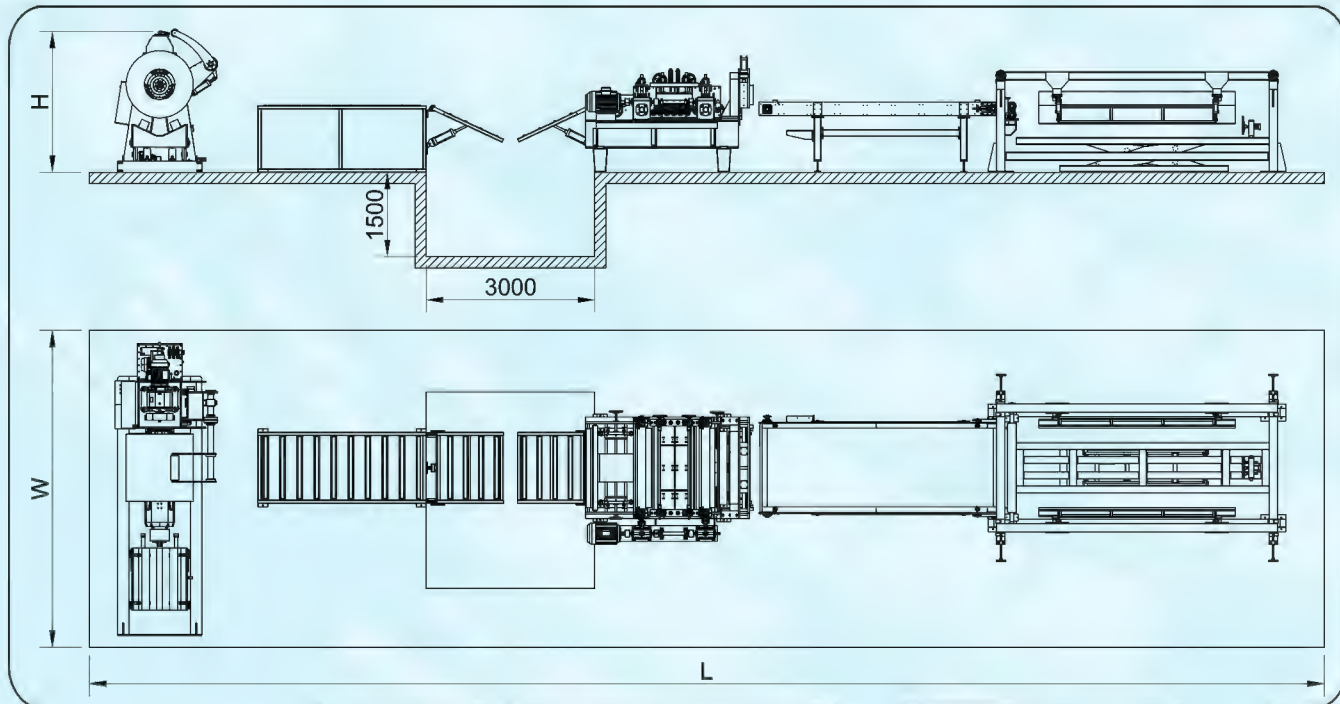
BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

CT-EH MODEL (30 meters/minute, Transmission by Electric motor and gear box, Cutting by Hydraulic cylinder)



LAYOUT



WORKING FLOW

Uncoiler → Guide roller table → Straightening → Cutting → Transfer Belt → Run-out Auto stacker table

BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

1. AUTOMATIC UNCOILER 10 TONS WITH COIL CAR (UC-E0)



TECHNICAL DATA

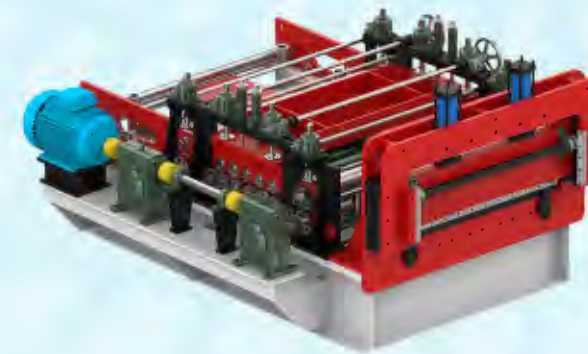
Model	Model
Power	7.5 kw + 11 kw
Weight of machine	6 tons
Dimension	L=1.8m; W=5.0m; H=2.3m
Speed	5-60 meters/min
Coil weight max	10 tons
Transmission by	Gear motor
Expansion	Hydraulic cylinder
Coil width max	1450 mm
Coil feeding	Coil car
Snubber	Option

2. GUIDE ROLLER TABLE



Items	Model
Weight of machine	0.3 tons
Dimension	3m x 1.2m x 1m

3. CUT TO LENGTH MACHINE (CT-EH)



Items	Model
Power	Transmission: 22 kw Motor-pump: 11 kw
Weight of machine	2.5 tons
Dimension	L=2.5m; W=2.2m; H=1.6m
Forming speed	30 meters/ minute (for length 3000mm up)
Roller stations	2
Transmission system	Electric motor and gear box
Cutting system	Hydraulic cylinder
Control system	PLC, HMI automatic programmable
Material thickness	0.12 - 2.0 mm
Material width	1250 mm
Material Yield Strength	G300 - G550 Mpa (GI/PPGI, GL/PPGL)
Straightening unit	4 Upper shafts, 5 Lower shafts, Shaft diameter 100mm, C45 Steel, Chromium coating

4. TRANSFER BELT



Items	Model
Power	2.2 kw
Weight of machine	2 tons
Dimension	L=4.3 m; W=1.8 m; H=1.1 m

5. AUTO STACKER TABLE



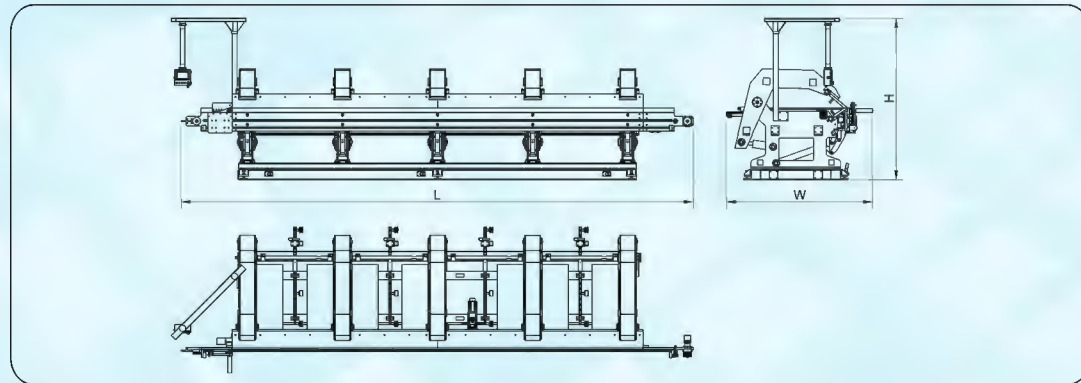
Items	Model
Power:	Electric motor 0.75 Kw Air compressor power: Motor 03 HP (2.2 Kw)
Weight of machine:	04 tons
Dimension of machine	L=10.2m; W=3.5m; H=1.9 m
Dimension of table	L=4.5m; W=0.7 m; H=0.8 m
Transmission by :	Automatic Stacking By Cylinder D80
Capacity max:	4 tons
Sheet length max:	4000mm
Quantity of product table	1

FO-M MODEL (Feeding: by Manual)

FO-A MODEL (Feeding: Automatically by Servo motor)



LAYOUT



WORKING FLOW

- **FO-MA:** Mark position manual → Feeding sheet → Clamping → Folding → Take out → Next folds
- **FO-A:** Reach position automatic → Feeding sheet → Clamping → Folding → Take out → Showing how to turn sheet → Next folds

TECHNICAL DATA

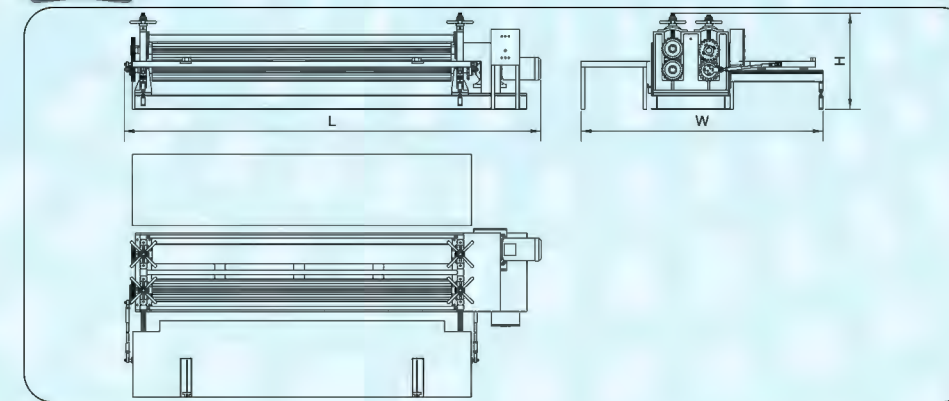
Items	FO-M model		FO-A model	
	Thickness max: 0.8 mm	Thickness max: 1.2 mm	Thickness max: 0.8 mm	Thickness max: 1.2 mm
Power	Motor-Pump: 5.5 – 11 kw	Motor-Pump: 7.5 – 15 kw	Motor-Pump: 5.5 – 11 kw Feeding : 1.5 kw	Motor-Pump: 7.5 – 15 kw Feeding : 1.5 kw
Weight of machine	4 – 8 tons	7 – 13 tons	4.5 – 8.5 tons	7.5 – 13.5 tons
Dimension	L=4.5–10.5m; W=1.7m; H=2.4m	L=4.5–10.5m; W=1.7m; H=2.4m	L=4.5–10.5m; W=1.7m; H=2.4m	L=4.5–10.5m; W=1.7m; H=2.4m
Feeding	Manual	Manual	Automatic by servo motor	Automatic by servo motor
Clamp	Hydraulic cylinder	Hydraulic cylinder	Hydraulic cylinder	Hydraulic cylinder
Slitting system	Hydraulic motor	Hydraulic motor	Hydraulic motor	Hydraulic motor
Folding system	Hydraulic cylinder	Hydraulic cylinder	Hydraulic cylinder	Hydraulic cylinder
Folding speed	12 seconds/stroke	12 seconds/stroke	12 seconds/stroke	12 seconds/stroke
Folded angle minimum	45°	45°	45°	45°
Control system	PLC, HMI automatic programmable	PLC, HMI automatic programmable	PLC, HMI automatic programmable	PLC, HMI automatic programmable
Material thickness	0.25 – 0.8 mm	0.25 – 1.2 mm	0.25 – 0.8 mm	0.25 – 1.2 mm
Material Yield Strength	G300 – G550 Mpa	G300 – G550 Mpa	G300 – G550 Mpa	G300 – G550 Mpa
Material size maximum	L=3/6/9m; W=1.2m	L=3/6/9m; W=1.2m	L=3/6/9m; W=1.2m	L=3/6/9m; W=1.2m

BR-CO MODEL (Big ribs, Transmission by Electric motor and gear box)

BR-MI MODEL (Small ribs, Transmission by Electric motor and gear box)



LAYOUT



WORKING FLOW

Flat sheet → Roller-corrugation → Roller-feeding → Run-out product table

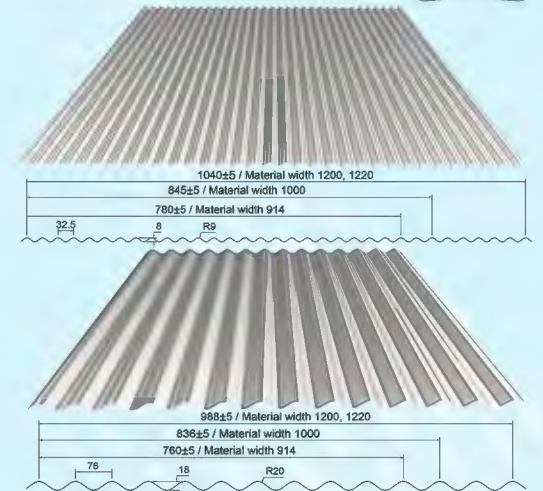
TECHNICAL DATA

Items	BR-CO Model (Corrugated)	BR-MI Model (Mini Corrugated)
Power	22 kw	22 kw
Weight of machine	8 tons	8 tons
Dimension	L=6.5m; W=3.5m; H=1.4m	L=6.5m; W=3.5m; H=1.4m
Speed	12-15 stroke per minute	12-15 stroke per minute
Roller stations	2	2
O.D of corrugation roll	380	350
Teeth quantity	24	50
Shaft length	4.2 m	4.2 m
Length of sheet	Max 4.2 m	Max 4.2 m
Transmission system	Electric motor and gear box	Electric motor and gear box
Control system	Contact + thermal relay	Contact + thermal relay
Material thickness	0.12 - 0.25 mm	0.12 - 0.25 mm
Material width	914 - 1220 mm	914 - 1220 mm
Material Yield Strength	G500 - G550 Mpa (GI, GL)	G500 - G550 Mpa (GI, GL)

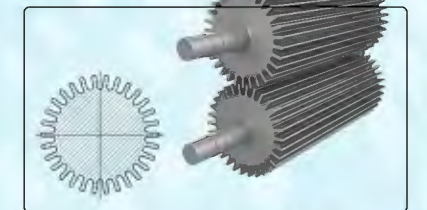
BRAND OF COMPONENTS

- PLC and touch panel: SIEMENS/ DELTA/ MITSUBISHI/ INVT
- Encoder: KUBLER/ AUTONICS/ OMRON
- Electric motor: ABB/ TOSHIBA
- Inverter: FUJI/ LS/ DELTA/ INVT
- Hydraulic components: YUKEN/ YUCIYUKEN
- Shaft: C45; Roller: SCM440
- Cutting die: SKD11
- Servo motor: DELTA/ INVT

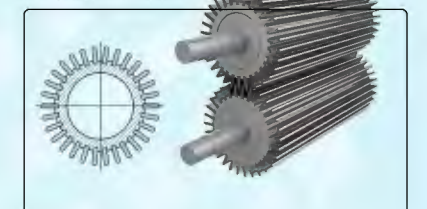
PROFILE



SOLID SHAFT



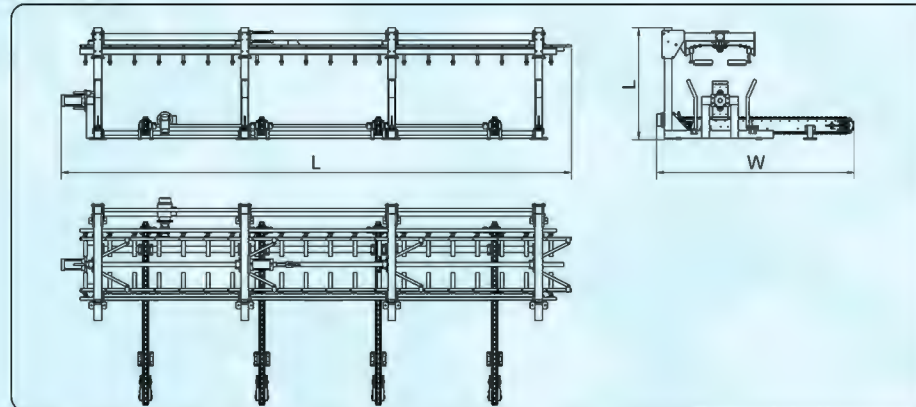
WELDING ON PIPE SHAFT



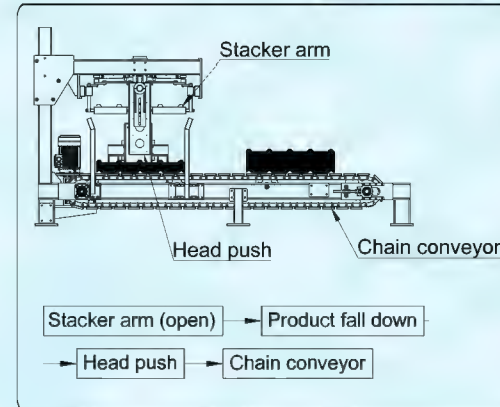
AS-R MODEL (Auto stacker Chain belts for Roofing)



LAYOUT



WORKING FLOW



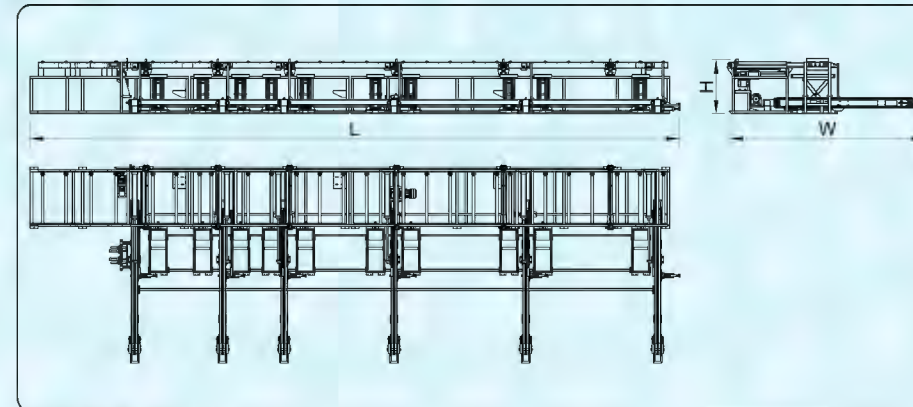
TECHNICAL DATA

Items	AS-R6	AS-R9	AS-R2
Power	Belts motor: 2.2 kw Stacker motor: 2.2 kw (Option)	Belts motor: 3.7 kw Stacker motor: 2.2 kw (Option)	Belts motor: 3.7 kw Stacker motor: 2.2 kw (Option)
Weight of machine	2.5 tons	3 tons	3.8 tons
Dimension	L=7.4m; W=4.2m; H=2.0m	L=9.8m; W=4.2m; H=2.0m	L=14.6m; W=4.2m; H=2.0m
Stacking arm moving	By Pneumatic cylinders or motor	By Pneumatic cylinders or motor	By Pneumatic cylinders or motor
Chain belts moving	By Gear motor Left to right	By Gear motor Left to right	By Gear motor Left to right
Chain loops quantity	4	6	8
Chain loops step distance	1800 mm	1800 mm	1800 mm
Max sheet length	6 m	9 m	12 m
Max height of package	600 mm	600 mm	600 mm
Max weight of package	4 tons	5 tons	5 tons
Pneumatic pressure	8kg/cm2	8kg/cm2	8kg/cm2
Compressors	Option	Option	Option

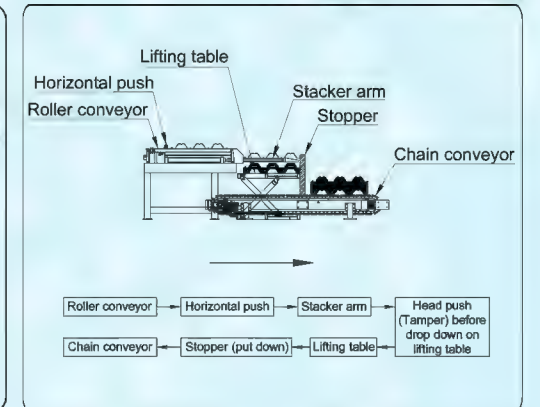
AS-F MODEL (Auto stacker Chain belts for Floordeck)



LAYOUT



WORKING FLOW



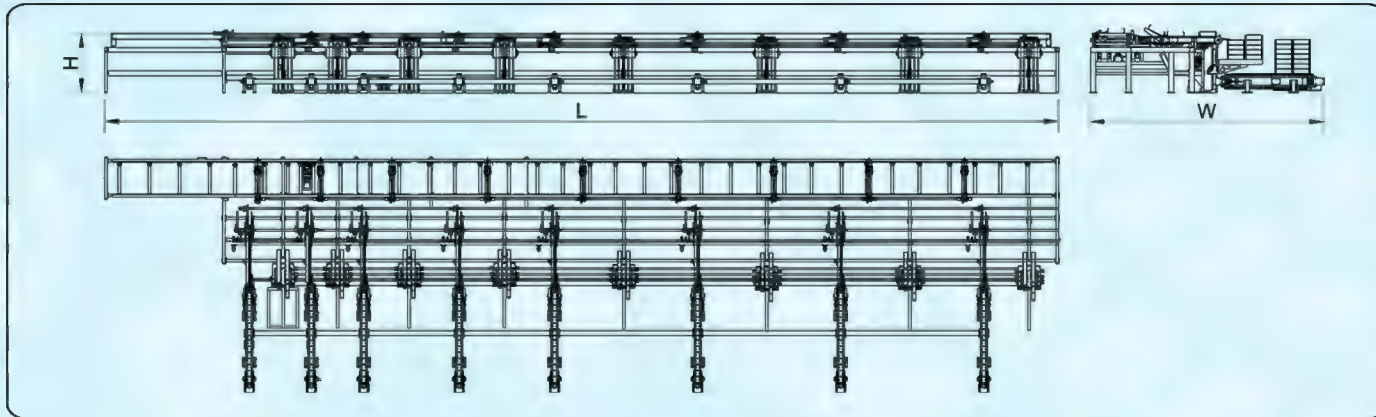
TECHNICAL DATA

Items	AS-F6	AS-F9	AS-F2
Power	Roller conveyor-Motor:2.2Kw Horizontal push-Motor:2.2Kw Lifting Table-motor:3.7Kw Chain conveyor:2.2Kw	Roller conveyor-Motor:2.2Kw Horizontal push-Motor:2.2Kw Lifting Table-motor:3.7Kw Chain conveyor:3.7Kw	Roller conveyor-Motor:2.2Kw Horizontal push-Motor:2.2Kw Lifting Table-motor:3.7Kw Chain conveyor:3.7Kw
Weight of machine	5 tons	6 tons	7 tons
Dimension	L=8.5m; W=4m; H=1.15m	L=11.5m; W=4m; H=1.15m	L=14.5m; W=4m; H=1.15m
Stacking arm moving	By Pneumatic cylinders	By Pneumatic cylinders	By Pneumatic cylinders
Head push	By Pneumatic cylinders	By Pneumatic cylinders	By Pneumatic cylinders
Stopper	By Pneumatic cylinders	By Pneumatic cylinders	By Pneumatic cylinders
Chain belts moving	By Gear motor Left to right	By Gear motor Left to right	By Gear motor Left to right
Chain loops quantity	4	5	6
Chain loops step distance	1800 mm	1800 mm	1800 mm
Max sheet length	min 2m - max 6m	min 2m - max 9m	min 2m - max 12m
Max width of package	925 mm	925 mm	925 mm
Max height of package	500 mm	500 mm	500 mm
Max weight of package	5 tons	5 tons	5 tons
Pneumatic pressure	8kg/cm2	8kg/cm2	8kg/cm2
Compressors	Option	Option	Option

AS-P MODEL (Auto stacker Chain belts for Purlin)



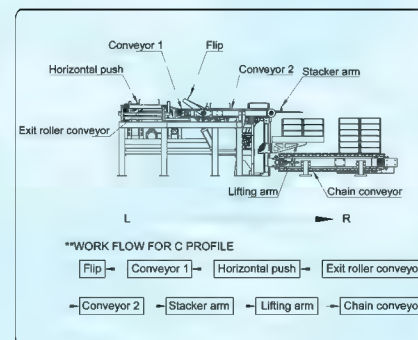
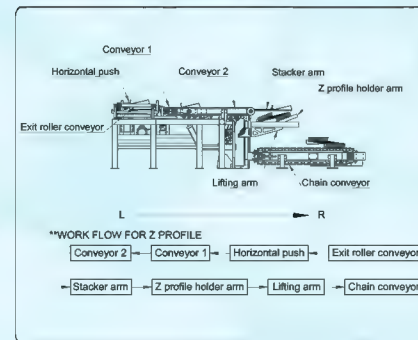
LAYOUT



TECHNICAL DATA

Items	AS-P6	AS-P9	AS-P2
Power	22kw	22kw	22kw
Weight of machine	6 tons	9 tons	12 tons
Dimension	L=10m; W=5.0m; H=1.25m	L=10m; W=5.0m; H=1.25m	L=20m; W=5.0m; H=1.25m
Speed	Cycle times: 8s	Cycle times: 8s	Cycle times: 8s
Profile	C Profile: - Width: 100mm -> 350mm - Height: 50mm -> 100mm - Length: 5000mm -> 6000mm Z Profile: - Width: 100mm -> 350mm - Height: 50mm -> 100mm - Length: 5000mm -> 6000mm	C Profile: - Width: 100mm -> 350mm - Height: 50mm -> 100mm - Length: 8000mm -> 9000mm Z Profile: - Width: 100mm -> 350mm - Height: 50mm -> 100mm - Length: 8000mm -> 9000mm	C Profile: - Width: 100mm -> 350mm - Height: 50mm -> 100mm - Length: 11000mm -> 12000mm Z Profile: - Width: 100mm -> 350mm - Height: 50mm -> 100mm - Length: 11000mm -> 12000mm
Packing specification	- Length: min 1500mm, max 6000mm - Width: min 100mm, max 750mm - Height: min 50mm, max 550mm	- Length: min 1500mm, max 9000mm - Width: min 100mm, max 750mm - Height: min 50mm, max 550mm	- Length: min 1500mm, max 12000mm - Width: min 100mm, max 750mm - Height: min 50mm, max 550mm
Package weight	Max 4 tons	Max 4 tons	Max 4 tons
Exit roller table height:	- 1070 mm From ground to bottom of web of C purlin	- 1070 mm From ground to bottom of web of C purlin	- 1070 mm From ground to bottom of web of C purlin
Number of conveyor chain loop:	4	6	8
Flip system	By pneumatic cylinder	By pneumatic cylinder	By pneumatic cylinder
Control system:	PLC	PLC	PLC
Pneumatic pressure	8kg/cm2	8kg/cm2	8kg/cm2
Compressors	Option	Option	Option

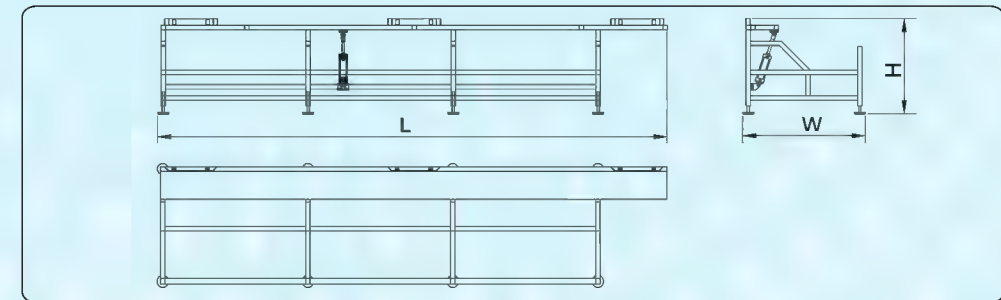
WORKING FLOW



MS-T MODEL (Se-mi auto stacker for truss)



LAYOUT



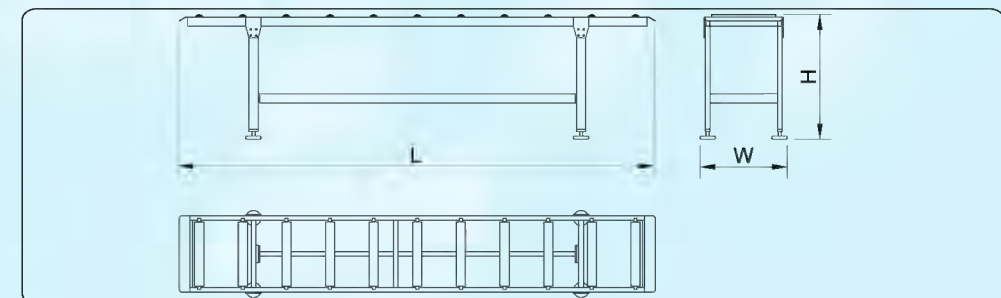
TECHNICAL DATA

Items	MS-T4	MS-T6
Power	None	None
Weight of machine	450 kg	600 kg
Dimension	L=3m; W=1.0m; H=0.85m	L=4.5m; W=1.0m; H=0.85m
Adjusted height table	100 mm	100 mm
Product length	4 m	6 m
Max load	600 kg	800 kg
Drop down	By pneumatic cylinder	By pneumatic cylinder

MS-P MODEL (Manual roller stacker for purlin)



LAYOUT



TECHNICAL DATA

Items	MS-P3	MS-P6
Power	None	None
Weight of machine	0.2 tons	0.4 tons
Dimension	L=3m; W=0.25m; H=1.1m	L=6m; W=0.25m; H=1.1m

UM-M MODEL (Transmission by follows roll former)



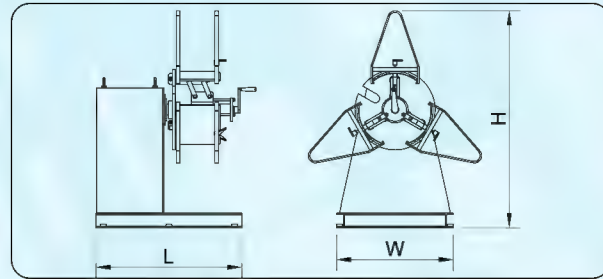
FEATURES

- Expansion by screw ◀
- Transmission follows roll former ◀
- Coil clamped at two sides ◀

TECHNICAL DATA

Model	UM-M1	UM-M2	UM-M3
Power	None	None	None
Weight of machine	0.5 ton	0.6 ton	0.7 ton
Dimension (LxWxH)	1.2mx1.3mx1.5m	1.2mx1.3mx1.5m	1.2mx1.6mx1.5m
Speed	Follow machine	Follow machine	Follow machine
Coil weight max	1 ton	2 tons	3 tons
Transmission by	Manual	Manual	Manual
Expansion	Manual	Manual	Manual
Coil width max	300 mm	400 mm	600 mm
Coil feeding	None	None	None
Snubber	Option	Option	Option

LAYOUT



UM-E MODEL (Transmission by Gear motor with inverter)



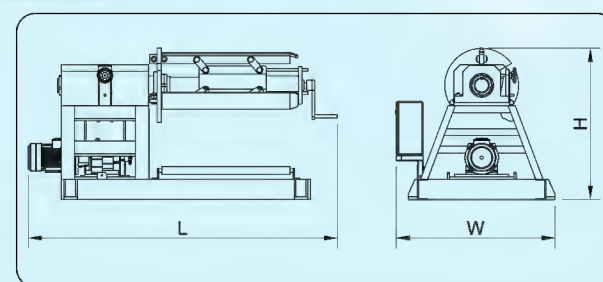
FEATURES

- Expansion by screw ◀
- Transmission by gear motor with inverter ◀
- Max speed up to 60 meters/min ◀
- Having coil clamps at two sides ◀

TECHNICAL DATA

Model	UM-E1	UM-E2	UM-E4	UM-E5
Power	2.2 kw	2.2 kw	3.7 kw	3.7 kw
Weight of machine	0.6 ton	0.7 ton	0.8 ton	1.2 ton
Dimension (LxWxH)	1.2mx1.3mx1.5m	1.2mx1.3mx1.5m	1.2mx1.6mx1.5m	1.6m x 1.2m x 1.53m
Speed	5-60 meters/min	5-60 meters/min	5-60 meters/min	5-25 meters/min
Coil weight max	1 ton	2 tons	4 tons	5 tons
Transmission by	Gear motor	Gear motor	Gear motor	Gear motor
Expansion	Manual	Manual	Manual	Manual
Coil width max	300 mm	400 mm	600 mm	1220 mm
Coil feeding	None	None	None	None
Snubber	Option	Option	Option	Option

LAYOUT



UT-M MODEL (Transmission and Expansion by Manual)

UT-E MODEL (Transmission by Gear motor, Expansion by Manual)



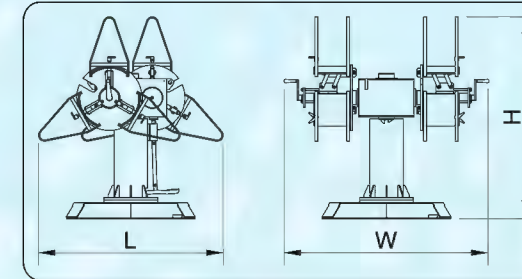
FEATURES

- Expansion by screw ◀
- Coil clamped at two sides ◀
- Transmission follows roll former (UT-M) ◀
- Easy to load new coil while another uncoiling ◀
- Transmission by gear motor with inverter; ◀
- Max speed up to 60 meters/min (UT-E) ◀

TECHNICAL DATA

Model	UT-M1	UT-M2	UT-E1	UT-E2
Power	None	None	1.5kw x 2	1.5kw x 2
Weight of machine	0.9 ton	0.9 ton	2 tons	2 tons
Dimension (LxWxH)	1.5mx1.8mx1.65m	1.5mx2.0mx1.65m	1.5mx2.0mx1.65m	1.5mx2.0mx1.65m
Speed	Follow machine	Follow machine	5 - 60 meters/min	5 - 60 meters/min
Coil weight max	1 ton	2 tons	1 ton	2 tons
Transmission by	Manual	Manual	Gear motor	Gear motor
Expansion	Manual	Manual	Manual	Manual
Coil width max	300 mm	400 mm	300 mm	400 mm
Coil feeding	None	None	None	None
Snubber	None	None	None	None

LAYOUT



UT-A MODEL (Transmission and Expansion by Gear motor)



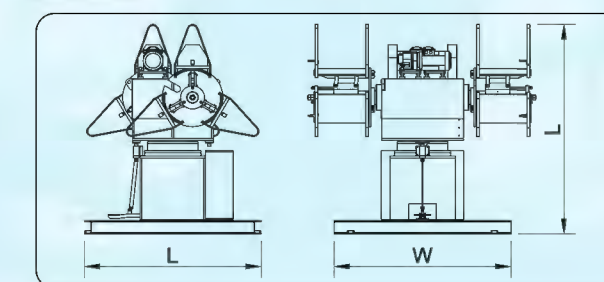
FEATURES

- Expansion by gear motor ◀
- Coil clamped at two sides ◀
- Transmission by gear motor with inverter ; ◀
- Max speed up to 60 meters/min ◀
- Easy to load new coil while another uncoiling ◀
- Rubber pressing arm (option) activated by air cylinder ◀

TECHNICAL DATA

Model	UT-A4
Power	(0.75kw+3.7kw) x 2
Weight of machine	3 tons
Dimension (LxWxH)	1.5mx2.6mx2.0m
Speed	5 - 60 meters/min
Coil weight max	4 tons
Transmission by	Gear motor
Expansion	Gear motor
Coil width max	600 mm
Coil feeding	None
Snubber	Option

LAYOUT



UN-H MODEL (Transmission by Hydraulic motor)



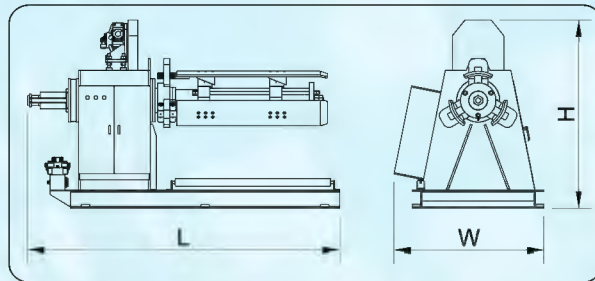
FEATURES

- Expansion by hydraulic cylinder ◀
- Transmission by hydraulic motor ◀
- Max speed up to 30 meters/min ◀
- Rubber pressing arm (option) activated by air cylinder ◀

TECHNICAL DATA

Model	UH-H4	UH-H6	UH-H8
Power	3.7 kw	5.5 kw	7.5 kw
Weight of machine	3 tons	3.5 tons	4.5 tons
Dimension (LxWxH)	1.2mx2.5mx1.0m	1.2mx2.7mx1.0m	1.4mx2.9mx1.4m
Speed	5 - 30 meters/ min	5 - 30 meters/ min	5 - 30 meters/ min
Coil weight max	4 tons	6 tons	8 tons
Transmission by	Hydraulic motor	Hydraulic motor	Hydraulic motor
Expansion	Hydraulic cylinder	Hydraulic cylinder	Hydraulic cylinder
Coil width max	650 mm	1250 mm	1450 mm
Coil feeding	None	None	None
Snubber	Option	Option	Option

LAYOUT



UN-E MODEL (Transmission by Gear motor)



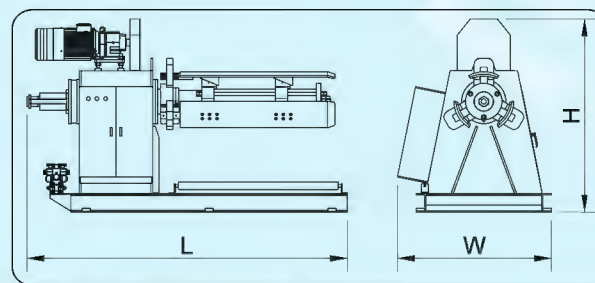
FEATURES

- Expansion by hydraulic cylinder ◀
- Transmission by gear motor and inverter ◀
- Max speed up to 60 meters/min ◀
- Quick response to acceleration and deceleration ◀
- Rubber pressing arm (option) activated by air cylinder ◀

TECHNICAL DATA

Model	UN-E6	UN-E8
Power	2.2 kw + 5.5 kw	5.5 kw + 11 kw
Weight of machine	3.5 tons	4.5 tons
Dimension (LxWxH)	1.2mx2.7mx1.4m	1.4mx2.9mx1.9m
Speed	5-60 meters/min	5-60 meters/min
Coil weight max	6 tons	8 tons
Transmission by	Gear motor	Gear motor
Expansion	Hydraulic cylinder	Hydraulic cylinder
Coil width max	1250 mm	1450 mm
Coil feeding	None	None
Snubber	Option	Option

LAYOUT



BRAND OF COMPONENTS

- Logic programmable: SIEMENS/ INVT
- Gear motor: ABB/ WUMA

- Electric motor: ABB/ TOSHIBA-IE3
- Hydraulic components: YUKEN/ YUCIYUKEN

UC-H MODEL (Transmission by Hydraulic motor, Coil feeding by Coil car)



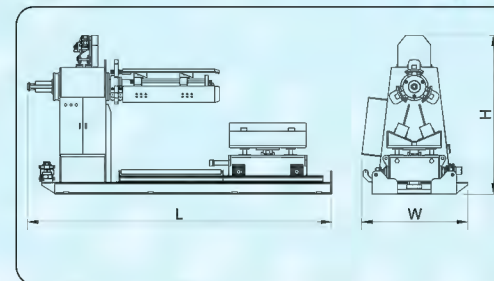
FEATURES

- Expansion by hydraulic cylinder ◀
- Transmission by hydraulic motor ◀
- Max speed up to 30 meters/min ◀
- Coil car saving time for changing coil ◀
- Rubber pressing arm (option) activated by air cylinder ◀

TECHNICAL DATA

Model	UC-H6	UC-H8
Power	5.5 kw	7.5 kw
Weight of machine	4 tons	5 tons
Dimension (LxWxH)	1.3mx4mx1.2m	1.5mx4.5mx1.6m
Speed	5-25 meters/min	5-25 meters/min
Coil weight max	6 tons	8 tons
Transmission by	Hydraulic motor	Hydraulic motor
Expansion	Hydraulic cylinder	Hydraulic cylinder
Coil width max	1250 mm	1450 mm
Coil feeding	Coil car	Coil car
Snubber	Option	Option

LAYOUT



UC-E MODEL (Transmission by Gear motor, Coil feeding by Coil car)



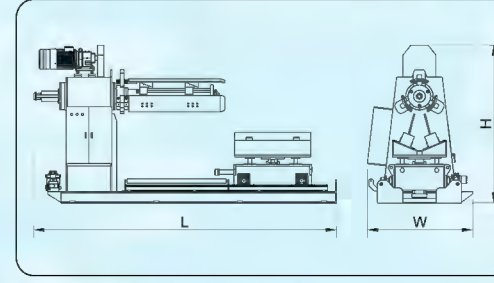
FEATURES

- Expansion by hydraulic cylinder ◀
- Rubber pressing arm (option) activated by air cylinder ◀
- Transmission by electric motor and inverter ◀
- Max speed up to 60 meters/min ◀
- Quick response to acceleration and deceleration ◀
- Coil car saving time for changing coil ◀

TECHNICAL DATA

Model	UC-E6	UC-E8	UC-E0	UC-E2
Power	3.7 kw + 7.5 kw	5.5 kw + 11 kw	7.5 kw + 11 kw	7.5 kw + 15 kw
Weight of machine	4 tons	5 tons	6 tons	7 tons
Dimension (LxWxH)	1.3mx4mx1.8m	1.5mx4.5mx2.3m	1.8mx5.0mx2.3m	2.4mx5.3mx2.5m
Speed	5-60 meters/min	5-60 meters/min	5-60 meters/min	5-60 meters/min
Coil weight max	6 tons	8 tons	10 tons	12 tons
Transmission by	Gear motor	Gear motor	Gear motor	Gear motor
Expansion	Hydraulic cylinder	Hydraulic cylinder	Hydraulic cylinder	Hydraulic cylinder
Coil width max	1250 mm	1450 mm	1450 mm	1450 mm
Coil feeding	Coil car	Coil car	Coil car	Coil car
Snubber	Option	Option	Option	Option

LAYOUT



BRAND OF COMPONENTS

- Logic programmable: SIEMENS/ INVT
- Gear motor: ABB/ WUMA

- Electric motor: ABB/ TOSHIBA-IE3
- Hydraulic components: YUKEN/ YUCIYUKEN

US-S MODEL (Simple Uncoiler, Transmission follows roll former)



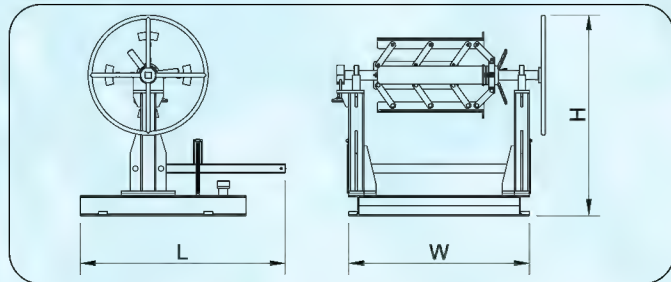
FEATURES

- Expansion by screw ◀
- Transmission follow roll former ◀
- Strong frame for coil 6 tons max ◀

TECHNICAL DATA

Model	US-S3	US-S6
Power	None	None
Weight of machine	1.5 tons	1.5 tons
Dimension (LxWxH)	1.6mx1.4mx1.3m	1.6mx1.6mx1.3m
Speed	Follow machine	Follow machine
Coil weight max	3 tons	6 tons
Transmission by	Manual	Manual
Expansion	Screw	Screw
Coil width max	600 mm	1220 mm
Coil feeding	None	None
Snubber	None	None

LAYOUT



US-D MODEL (Double simple uncoiler, Transmission follows roll former)



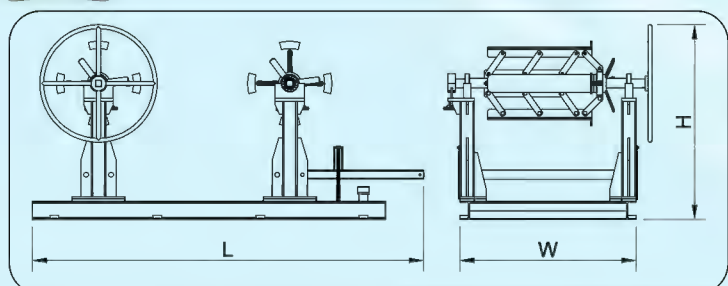
FEATURES

- Expansion by screw ◀
- Transmission follow roll former ◀
- Strong frame for 2 coils x 6 tons max ◀
- Easy load new coil while another uncoiling ◀

TECHNICAL DATA

Model	US-D3	US-D6
Power	None	None
Weight of machine	2 tons	2 tons
Dimension (LxWxH)	2.6mx1.6mx1.3m	2.6mx1.8mx1.3m
Speed	Follow machine	Follow machine
Coil weight max	3 tons	6 tons
Transmission by	Manual	Manual
Expansion	Manual	Manual
Coil width max	600 mm	1250 mm
Coil feeding	None	None
Snubber	None	None

LAYOUT



RE-E MODEL (Mechanical Re-coiler, Transmission by gear motor)



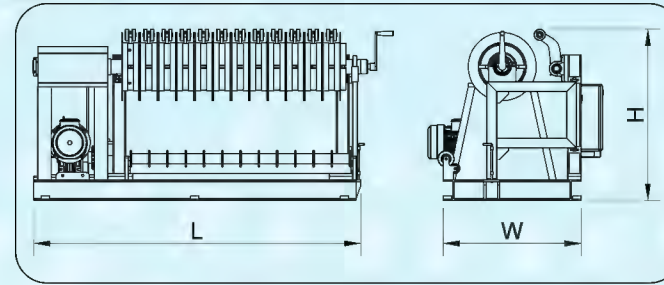
FEATURES

- Expansion by screw ◀
- Transmission by gear motor with inverter ◀
- Increase or decrease speed smoothly ◀

TECHNICAL DATA

Model	RE-E1 Model
Power	2.2 kw
Weight of machine	1 ton
Dimension (LxWxH)	L=1.0m; W=1.8m; H=1.0m
Speed	16 - 20 meters/minute
Transmission system	Gear motor
Material thickness	0.2 - 0.8 mm
Strip width range	200 - 600 mm
Strip quantity	6
Coil ID	185 or 290 mm
Coil width	1220 mm
Length of coil	30 - 150 meters
Total of capacity	1 ton

LAYOUT



RE-C MODEL (Automatic Re-coiler with or without Coil car, Transmission by Gear motor)



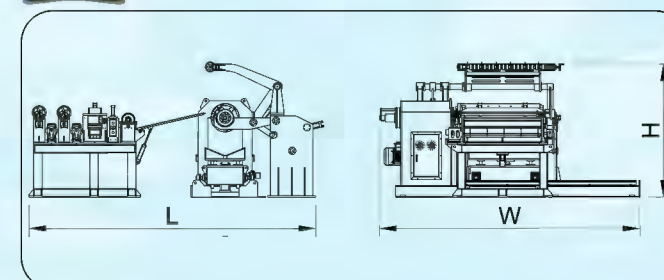
FEATURES

- Expansion by hydraulic cylinder ◀
- Transmission by Gear motor ◀
- Max speed up to 20 meters/min ◀
- Slited coil moved out quickly by coil car (option) ◀
- Rubber pressing arm activated by Hydraulic cylinder ◀

TECHNICAL DATA

Model	RE-C6 Model
Power	5.5 kw + 15 kw
Weight of machine	8 tons
Dimension (LxWxH)	L=3.5m; W=4.1m; H=2.3m
Speed	16 - 20 meters/minute
Transmission system	Gear motor
Material thickness	0.2 - 0.8 mm
Strip width range	200 - 620 mm
Strip quantity	4
Coil ID	508 mm
Coil width	1220 mm
Total of capacity	6 tons
Tension unit	Hydraulic cylinder
Snubber	Hydraulic cylinder
Coil feeding	Option

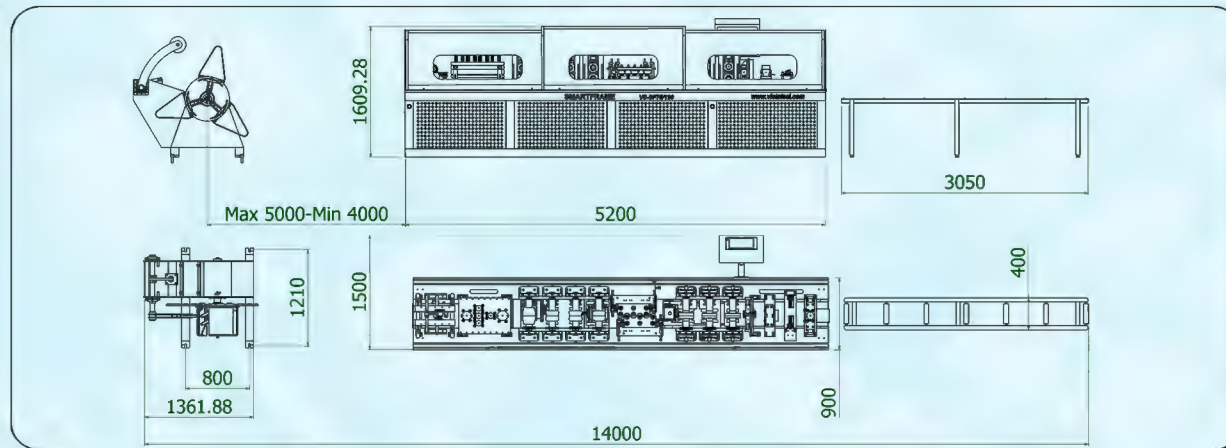
LAYOUT



TS-SA MODEL Hi-speed Transmission by Servo motor and gear box, Cutting by Hydraulic cylinder)



LAYOUT



WORKING FLOW

Uncoiler → Guide → Roll forming → Dimple → Swage → Print → Shear → Run-out Product table

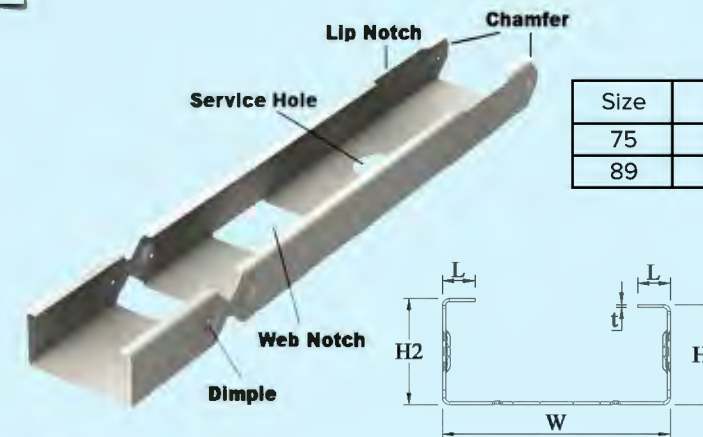
TECHNICAL DATA

Model	TS-SA MODEL
Power	Transmission : 11kw Motor – pump : 7.5kw
Weight	5 tons
Dimension	L=5.2m; W=1.6m; H=1.6m
Speed	8 - 10 meters/minute
Roller station	7
Transmission by	Servo motor and gear box
Cutting system	Hydraulic cylinder
Punching system	Hydraulic cylinder
Control system	Frame Ware, Windows based PC for programming & monitoring
Material thickness	0.75 - 1.2 mm
Material width	167 – 190 mm
Yield Range	445-550Mpa AS1365 & AS1397
Material type	Galvanized & Zinalume steel coils

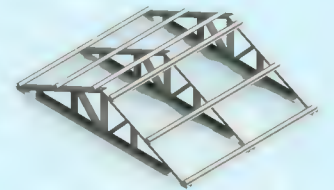
BRAND OF COMPONENTS

- PLC & HMI: PROFACE
- IPC: ADVANTECH
- Electric motor: ABB/ TOSHIBA
- Servo motor: DELTA
- Inverter : SEW
- Encoder: SICK
- Hydraulic components: YUKEN/ YUCIYUKEN
 - Cutting die : SKD11

PROFILE

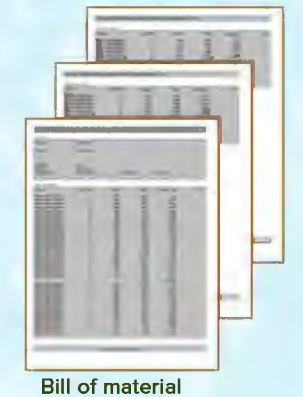
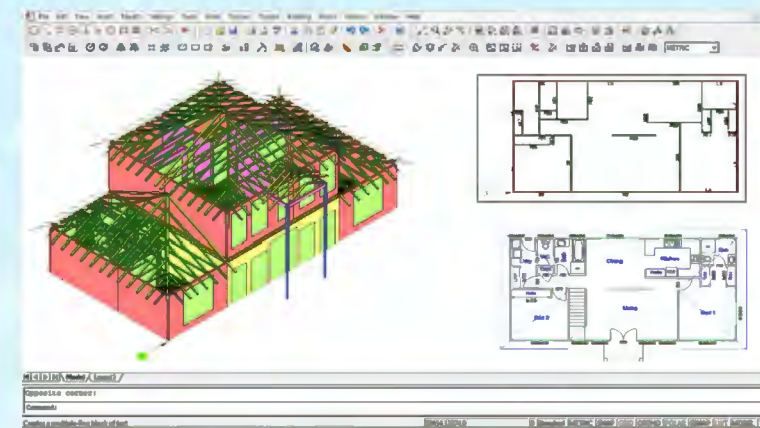


Size	Unit (mm)						Coil width
	W	H1	H2	L	t		
75	75	39	41	12.75	0.75 - 1.2	167	
89	89	39	41	12.75	0.75 - 1.2	185	



SOFTWARE

ProCAD software, easy to design frame house from architectural layout, export list of material, anlys to make quotation



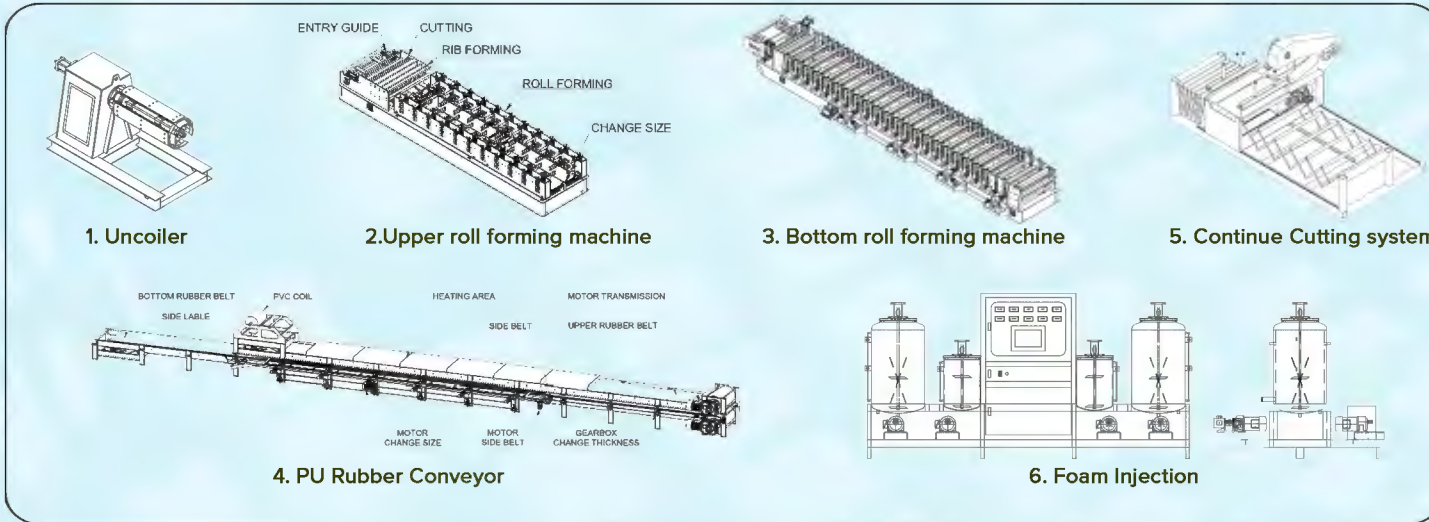
ProCAM software, convert from CAD drawing to CNC code file then transfer to machine via network or USB

FrameWare control machine to punch holes, cut and print label on products

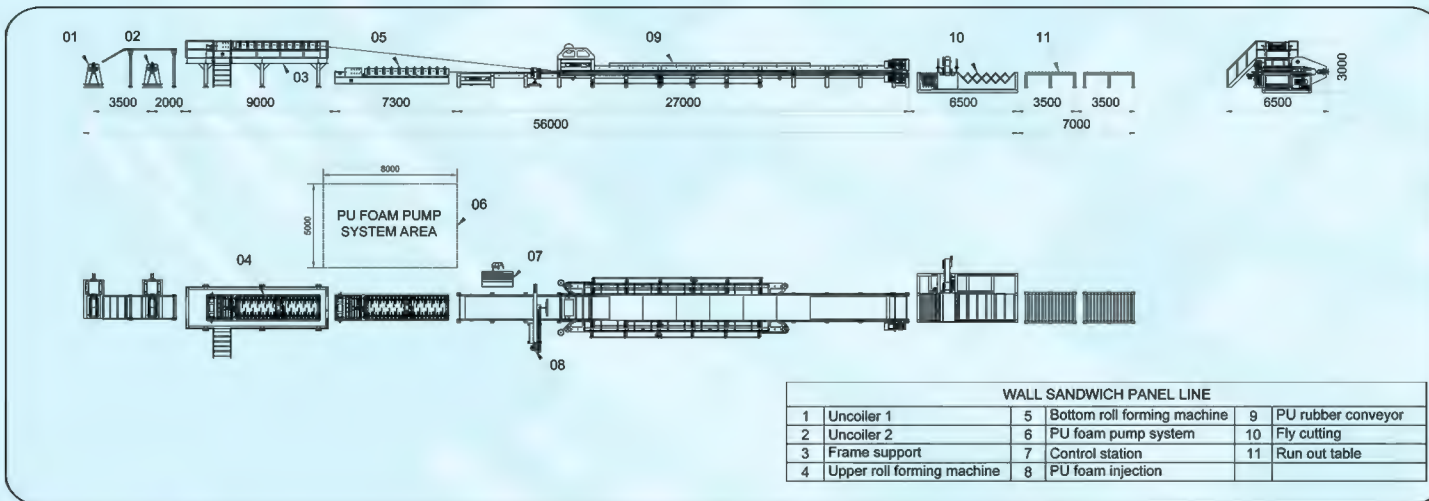




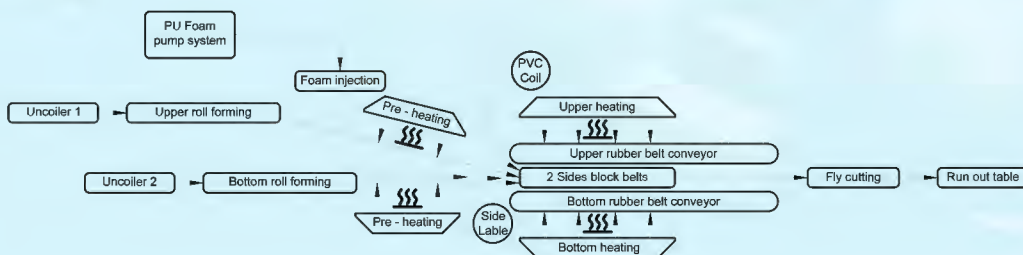
MACHINE DEVICE:



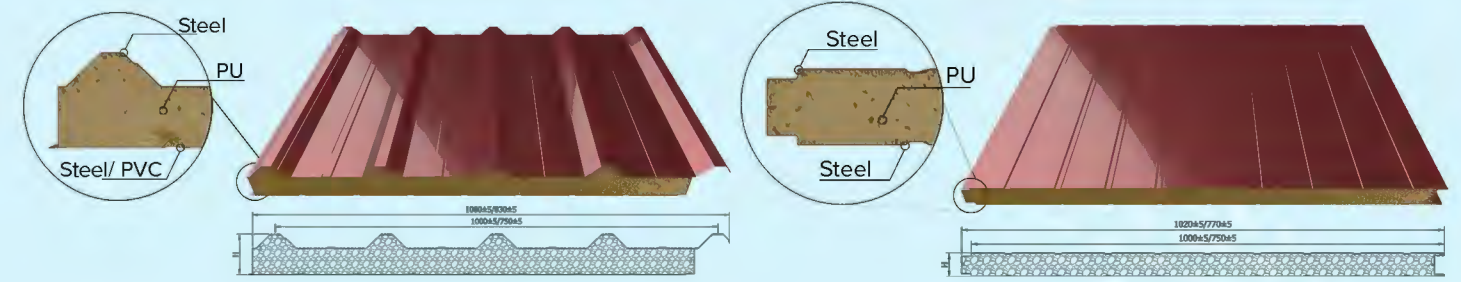
LAYOUT



WORKING FLOW



PROFILE

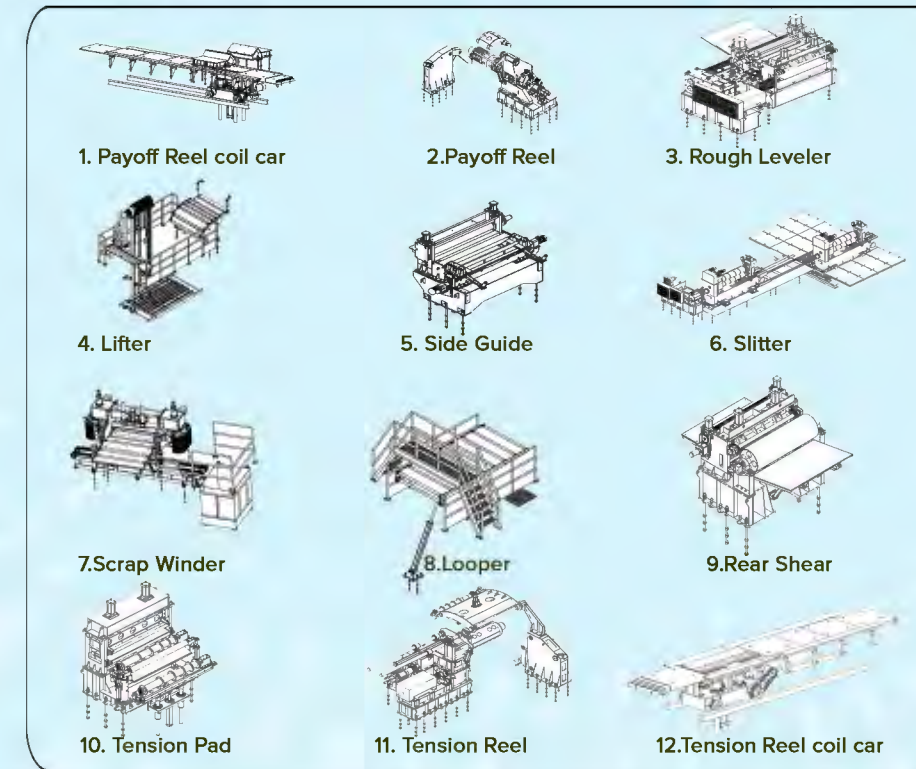


TECHNICAL DATA

ITEMS	PU-RF MODEL	PU-WL MODEL
	1220mm/ 1000mm	1220mm/ 1000mm
PU LINE		
Power	121 KW	143.5 KW
Speed	6~12m/min	6~12 meters/minute
Dimension (L x W x H)	68m x 4.0m x 2.8m	68m x 4.0m x 2.8m
Weight of machine	~ 60 tons	~ 64 tons
EQUIPMENT DETAILS		
UNCOILER 6 TONS : 2 UNITS	Power : 5.5 KW x 2 Speed : 0 - 30 meters/minute Capacity : 6 tons x 2	Power : 5.5 KW x 2 Speed : 0 - 30 meters/minute Capacity : 6 tons x 2
UPPER & BOTTOM ROLL FORMING MACHINE	Power : (11 KW + 3.7 KW + 1.5 KW)x2 Speed : 6 - 20 meters/minute	Power : (11 KW + 3.7 KW + 1.5 KW)x2 Speed : 6 - 20 meters/minute
PU FOAM PRESS TABLE - RUBBER CONVEYOR	Transmission system Power : 5.5 KW x2 Heating system Power : 48 KW Speed : 6 - 12 meters/minute Upper belt length : 21 meters Bottom belt length : 26 meters PU Thickness : 20/ 25/ 30/ 50mm Material : Galvanized, Colored steel, PVC paper	Transmission system Power : 5.5 KW x2 Heating system Power : 48 KW Speed : 6 - 12 meters/minute Upper belt length : 21 meters Bottom belt length : 26 meters PU Thickness : 20/ 25/ 30/ 50mm Material : Galvanized, Colored steel
PU FOAM INJECTION SYSTEM	Power : 12 KW Injection Pressure max : 2 kg/cm2 Injection speed : 100g/sec to 500g/sec	Power : 12 KW Injection Pressure max : 2 kg/cm2 Injection speed : 100g/sec to 500g/sec
DOUBLE SAWING CONTINUE CUTTING SYSTEM	Power: (3.7KW x2) + (2.2KW x2) Tolerance of length to cut: +/- 5mm Cutting speed max : 6 meters/minute	Power: (3.7KW x2) + (2.2KW x2) Tolerance of length to cut: +/- 5mm Cutting speed max : 6 meters/minute
AIR COMPRESSURE SYSTEM	Power: 7.5 KW Pressure max : 10 kg/cm2 Tank capacity: 1 m3	Power: 7.5 KW Pressure max : 10 kg/cm2 Tank capacity: 1 m3
SIDE BLOCK CONVEYOR SYSTEM : 2 UNITS		Power : (1.5KW x4) + 2KW Speed : 6 - 12 meters/minute Length of conveyor : 25 meters
ROLLER EXIT TABLE	5 SETS	5 SETS



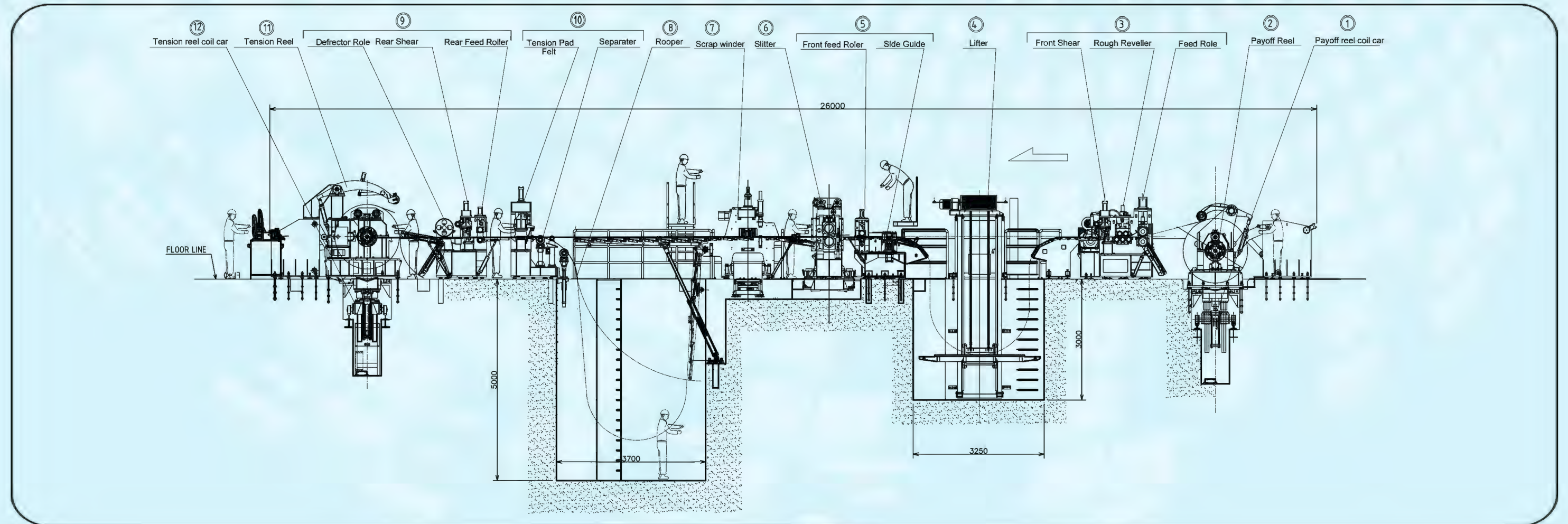
MACHINE DEVICE:



TECHNICAL DATA

Items	CS-HI Model
Total Power	220 kW
Total machine weight:	80 tons
Total dimension (L x W)	24m x 13m
Line slitting speed:	0.5 ~ 1.0mm @160 m/min
	1.0 ~ 1.5mm @120 m/min
	1.5 ~ 2.0mm @100 m/min
Line Direction	2.0 ~ 3.2mm @80m/min
	Right -> Left
Number of slit (not included side scrap)	30 pcs @<=0.5mm
	20 pcs @<=1.0mm
	15 pcs @<=2.0mm
	8 pcs @<=3.2mm
Slitting strip width	Min.30mm; Max.300mm
Slit edge bur	±0.1mm
Slit width tolerance	<=3% of coil thickness
Camber tolerance	±0.5mm/m
Coil thickness	0.3 ~ 3.2mm
Input coil width	600 ~ 1350mm
Entry/ Exit coil Outer Diameter	Ø1000~Ø1700mm
Entry/ Exit coil Inter Diameter	Ø508/ Ø610mm
Entry/ Exit coil weight	Max 20 tons
Tensile strength	400 Mpa
Yield strength	300 Mpa
Line height of operation	1000mm

LAYOUT

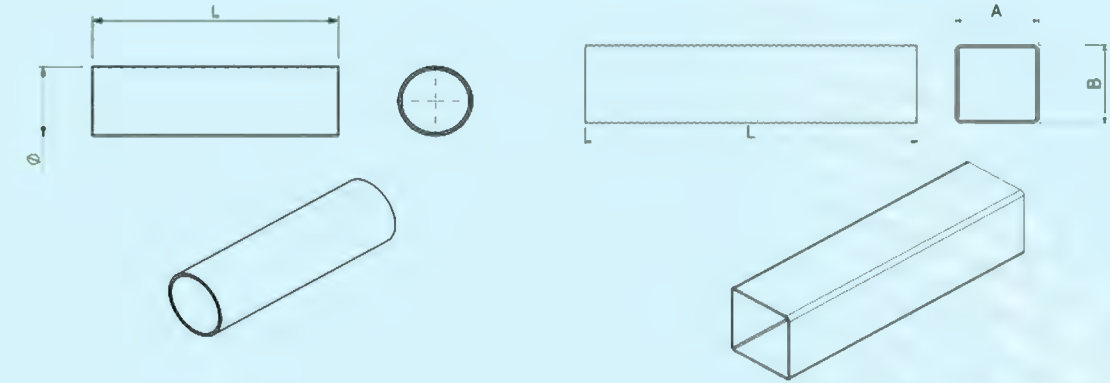


WORKING FLOW

(1) Payoff reel coil car -> (2) Payoff Reel -> (3) Rough Leveler -> (4) Lifter -> (5) Side guide -> (6) Slitter -> (7) Scrap winder -> (8) Looper -> (9) Rear Shear -> (10) Tension Pad -> (11) Tension Reel -> (12) Tension Reel Coil Car



PROFILE



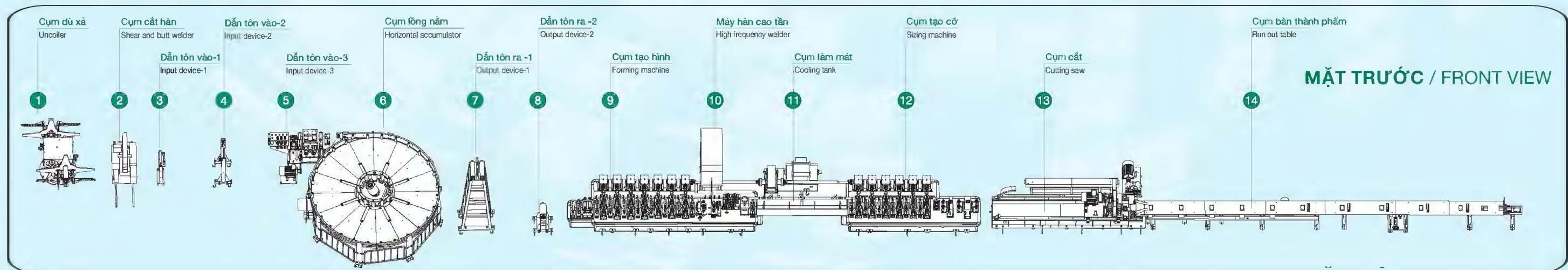
MACHINE DEVICE:



TECHNICAL DATA

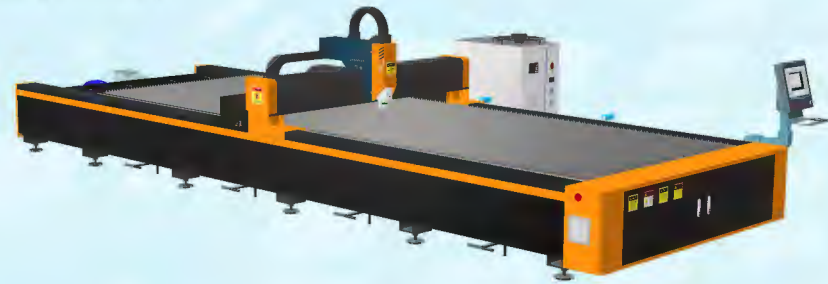
Model	Unit	HK-S25	HK-S32	HK-S45	HK-S60	HK-S90
Round pipe outer Diameter	mm	Ø8 ÷ Ø32	Ø12.7 ÷ Ø42.0	Ø12.7 ÷ Ø60	Ø19 ÷ Ø76	Ø32 ÷ Ø114
Round pipe thickness	mm	0.4 ÷ 1.5	0.5 ÷ 2.0	0.6 ÷ 1.6	0.6 ÷ 2.5	1.0 ÷ 3.0
Square tube size	mm	10x10~25x25	12x12~30x30	14x14~45x45	16x16~60x60	25x25~90x90
Square tube thickness	mm	0.4 ÷ 1.0	0.5 ÷ 1.5	0.6 ÷ 1.2	0.6 ÷ 2.0	1.0 ÷ 2.5
Rectangular tube size	mm	8x12 ÷ 20x30	9x13 ÷ 20x40	10x20 ÷ 30x60	25x50 ÷ 40x80	30x60 ÷ 60x120
Rectangular tube thickness	mm	0.4 ÷ 1.0	0.5 ÷ 1.5	0.6 ÷ 1.2	0.6 ÷ 2.0	1.0 ÷ 2.5
Milling speed	m/min	30 ÷ 110	30 ÷ 100	30 ÷ 100	30 ÷ 90	30 ÷ 70
Length of Welded Tube	m	4.0 ÷ 8.0	4.0 ÷ 8.0	4.0 ÷ 8.0	4.0 ÷ 8.0	4.0 ÷ 8.0
Main Motor Power	kW	45	110	2x(55kW)	160	2x(110kW)
High Frequency Power	kW	100	150	150	200	250
Machine size (W x H x L)	m	4.0x3.5x45.0	4.0x3.5x48.2	4.0x3.5x48.2	5.0x3.5x55	5.1x3.5x62.5

LAYOUT



MẶT TRƯỚC / FRONT VIEW

METAL SHEET FIBER LASER CUTTING MACHINE
E SERIES - SINGLE TABLE



TECHNICAL DATA

Model	3015EI	4015EI	6015EI	6020E
Working Area	3000x1500mm	4000x1500mm	6000x1500mm	6000x2000mm
X-Y-Z Axis Stroke	3100-1550-120mm	4150-1600-120mm	6250-1600-120mm	6150-2050-120mm
Positioning Accuracy	± 0.03mm/m			
Re-Positioning Precision	± 0.01mm			
Maximum Speed X,Y (Z)	(80m/min), (15m/min)			(100m/min), (30m/min)
Acceleration	0.8G	1.0G	1.2G	1.2G
Laser Power	< 6 kW			< 12 kW
Maximum Load	1200 KG	1500 KG	2000 KG	3500 KG
Dimension (LxWxH)	4850x2450x1900mm	5920x2385x1800mm	8200x2380x1790mm	8200x2900x1800mm
Weight	~ 2.4 T	~ 3.2 T	~3.8T	~5.8T

METAL SHEET FIBER LASER CUTTING MACHINE
F(H) SERIES - EXCHANGABLE

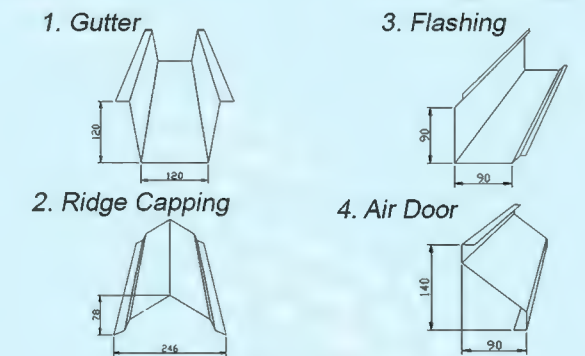


TECHNICAL DATA

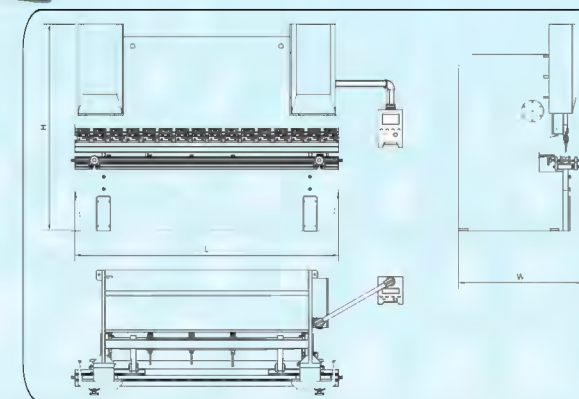
Model	3015F(H)	6020F(H)	12020F(H)
Working Area	3000x1500mm	6000x2000mm	12000x2000mm
X-Y-Z Axis Stroke	3100-1550-250mm(120°)	6200-2050-250mm(120°)	12200-2050-300mm(150°)
Positioning Accuracy	± 0.03mm/m		
Re-Positioning Precision	± 0.01mm		
Maximum Speed X,Y (Z)	100-180m/min		
Acceleration	1.2G	1.5 – 2.5G	1.5 – 2.5G
Exchange table time	15 – 25 sec	30 – 90 sec	30 – 90 sec
Laser Power	< 6 kW	< 20kW	
Maximum Load	2000 KG	5000 KG	6000 KG
Dimension (LxWxH)	8850x2950x2100mm	14850x3450x2200m	26500x3450x2200m
Weight	~8.5T	~16T	~24T



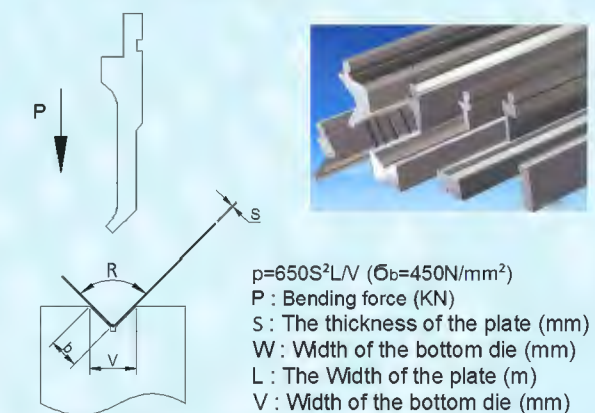
PROFILE



LAYOUT



***Customized top Punch & Bottom die**



TECHNICAL DATA

Items	40T/2200	80T/2500	80T/3200	125T/3200	100T/4000	160T/4000
Power	5.5 kw	7.5 kw	7.5 kw	7.5 - 11 kw	7.5 - 11 kw	11 kw
Weight of machine	2.8 tons	5.7 tons	6 tons	7.2 tons	8.5 tons	12 tons
Dimension of machine (L x W x H)	2.2mx1.2mx1.9m	2.5mx1.4mx2.3m	3.2mx1.5mx2.3m	3.2mx1.6mx2.6m	4mx1.6mx2.7m	4mx1.7mx2.8m
Distance between columns	1850 mm	1990 mm	2500 mm	2580 mm	3000 mm	3000 mm
Pressure capacity	40 tons	80 tons	80 tons	125 tons	100 tons	160 tons
Length of press die	2200 mm	2500 mm	3200 mm	3200 mm	4000 mm	4000 mm
Throat depth	230 mm	300 mm	320 mm	320 mm	320 mm	320 mm
Stroke	100 mm	100 mm	100 mm	120/150 mm	120/150 mm	200 mm
Thickness	0.3 – 6mm	0.3 – 6mm	0.3 – 6mm	0.3 – 6mm	0.3 – 6mm	0.3 – 6mm

Items	160T/5000	200T/5000	160T/ 6000	200T/6000	250T/6000	300T/6000
Power	11 kw	11 kw	11 kw	11 kw	18.5 kw	22 kw
Weight of machine	14 tons	14.5 tons	20 tons	21 tons	28 tons	30 tons
Dimension of machine (L x W x H)	5mx1.9mx3.1m	5mx1.95mx3.1m	6.3mx1.9mx3.2m	6mx1.95mx3.3m	6mx2mx3.4m	6mx2mx3.45m
Distance between columns	4000 mm	4000 mm	5000 mm	5000 mm	5000 mm	5000 mm
Pressure capacity	160 tons	200 tons	160 tons	200 tons	250 tons	300 tons
Length of press die	5000 mm	5000 mm	6000 mm	6000 mm	6000 mm	6000 mm
Throat depth	320 mm	320 mm	320 mm	320 mm	400 mm	400 mm
Stroke	200 mm	200 mm	200 mm	200 mm	250 mm	250 mm
Thickness	0.3 – 6mm	0.3 – 6mm	0.3 – 6mm	0.3 – 6mm	0.3 – 6mm	0.3 – 6mm

ASIA



INDONESIA



INDONESIA

AFRICA



BUKINA FASO



ZAMBIA

AMERICA



INDIA



INDIA



MEXICO



USA

EUROPE & AUSTRALIA



MALAYSIA



TAIWAN



NEW ZEALAND



AUSTRALIA



ROOFING



ROOFING



PURLIN



CABLE TRAY



STEP TILE



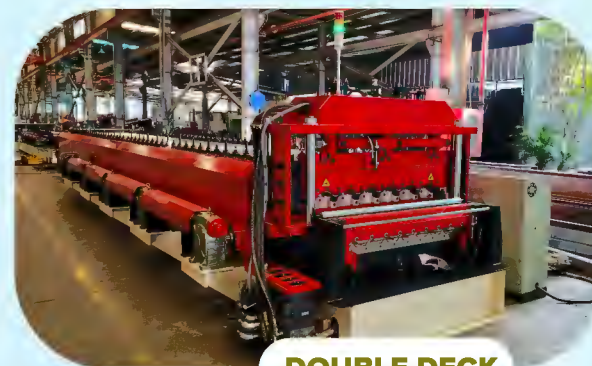
ROOFING



WALL



FOLDER



DOUBLE DECK



FLOORDECK



HOLLOW



C TRUSS/ BATTEN



KLIPLock



SEAMLOCK

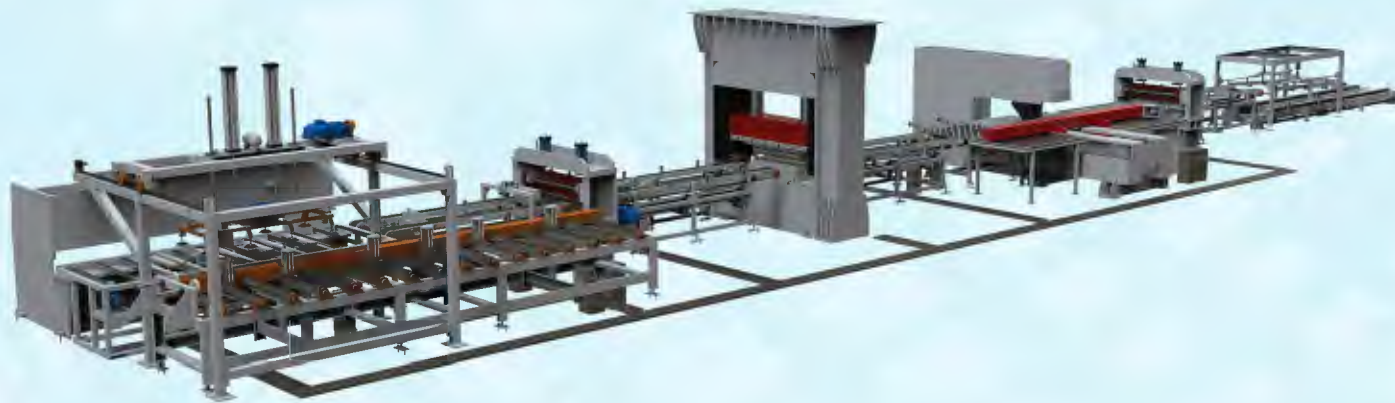


SMARTFRAME



V ANGLE

CUSTOMIZED AUTOMATION LINE



CONTAINER LOADING SYSTEM



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