



*“Wherever  
You Breathe...”*



We Provide  
Solution To You  
To Manufacture  
Ducts Fast, Precision And  
Cost Effective.







SENTE MACHINERY was established in 1994 and started to manufacture machines for HVAC industry with a experienced engineer team.

High technology, strict tests and methodical inspections allows us to keep quality system on high level. Production process accordance to ISO 9001 standarts, and all our machines has got international approvals like CE,GOST.

We export our machineries to all around the world and we are one the innovative company in the market.

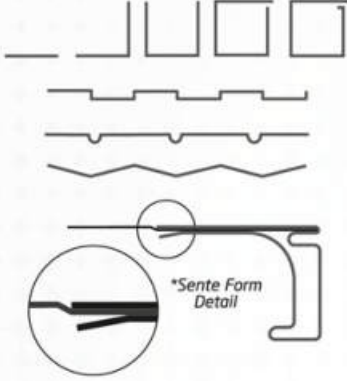
One of the most important point for SENTE MACHINERY is customer satisfaction. We expand our customer base by manufacturing high quality machines with a reasonable price and providing a succesfull aftersales service.

SENTE MACHINERY is the only company in Europe which offers rectangular, spiral and oval duct solutions. SENTE MACHINERY located in between Asia and Europe and it allows us to provide our high quality machines with competitive prices.

We combine Europe's high quality production with Asia's competitive pricing policy.



## AUTO DUCT FORMER MACHINE



Our machine is designed to produce duct by bending and cutting the rolled sheet in the desired dimensions. In order to carry out the same production you need to have separate machines and more personnel. Thanks to this machine you can make a quick, precise and cost-effective production within a less room and personnel.

Our machine prevents sheet waste and recover your loss nearly up to %20. These production conditions will allow you to make profit in a short term, increase your market share with guaranteed goods.

*\* Remote access to the user interface is possible.*

### Technical Details

Power	: 4 KW
Voltage-Frequency	: 380/400VAC 50-60 Hz 3Ph+PE
Current	: 10A
Air Pressure	: 6 Bar 449 lt/min
Hydraulic Unit	: None (It Is Only Included If A Rod Punch Unit Is Added To The Machine.)
Lubrication	: Automatic
Feeding Speed	: 6mt/min.
Min. Duct Size	: Minimum 125x125mm
Working Speed	: 250mmx250mm Duct Manufacturing Speed 1,10 min/pcs.
Production Capacity	: 800 m <sup>2</sup> /day $\pm$ 1 m <sup>2</sup> (In 8 Hours)
Duct Types	: Straight, L Type, U Type, Full Duct
Seam Types	: Pittsburgh, Snaplock, Nulock
Uncoiler Capacity	: Inner Diameter: Ø508mm / Max. Sheet Width 1500mm
Sheet Thickness	: 0,5 - 1,2mm Galvanize / 0,5 - 0,8mm Stainless Steel
Machine Dimensions	: 7,3mt x 2,2mt x 1,5mt (With 3 Uncoilers)
Machine Weight	: 3360 Kg
Design Cylinder	: Z Design, Trapez Design, U Design
Double Design Options	: Two Desired Patterns Can Be Selected. (Z-Trapez / Z-U / Trapez-U)
Options	: *Sente Form Unit / *Rod Panch Unit (Bolt Hole for In Channel Support) *Automatic Labeling

## ADF LINE WITH NOTCHING SYSTEM



This machine and Auto Duct Forming machine has the same characteristics. In addition; it makes notches according to S&Drive, TDF, TDC any special type of flange. Its only difference from standart auto duct former machine is the notching system. The Machine can be arranged for both slide on flange and self flange type.

This unit is designed with hydraulic cylinders (two cylinders on one side, two cylinders are on the other side) it perforates appropriate thin plate to the bend point in desired coordinates (dimensions entered from touch screen).

Notching stations can be adapted manually from the left and right side according to the width of sheet .Punch dimensions can be changed for different flanges.

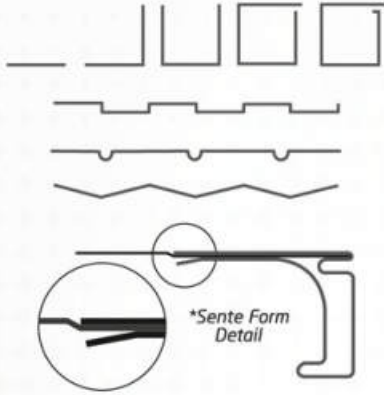
\* Remote access to the user interface is possible.

### Technical Details

Power	:	9 KW
Voltage-Frequency	:	380/400VAC 50-60 Hz 3Ph+PE
Current	:	23A
Air Pressure	:	None
Hydraulic Unit	:	Yes / 80 Bar
Lubrication	:	Automatic
Feeding Speed	:	6mt/min.
Min. Duct Size	:	Minimum 125x125mm
Working Speed	:	250mmx250mm Duct Manufacturing Speed 1,10 min/pcs.
Production Capacity	:	650 m <sup>2</sup> /day $\pm$ 1 m <sup>2</sup> (In 8 Hours)
Duct Types	:	Straight, L Type, U Type, Full Duct
Seam Types	:	Pittsburgh, Snaplock, Nulock
Uncoiler Capacity	:	Inner Diameter: Ø508mm / Max. Sheet Width 1500mm
Sheet Thickness	:	0,5 - 1,2mm Galvanize / 0,5 - 0,8mm Stainless Steel
Machine Dimensions	:	7,5mt x 2,2mt x 1,5mt (With 3 Uncoilers)
Machine Weight	:	3610 Kg
Design Cylinder	:	Z Design, Trapez Design, U Design
Double Design Options	:	Two Desired Patterns Can Be Selected. (Z-Trapez / Z-U / Trapez-U)
Options	:	*Sente Form Unit / *Rod Panch Unit (Bolt Hole for In Channel Support) *Automatic Labeling



## AUTO DUCT FORMER MINI LINE

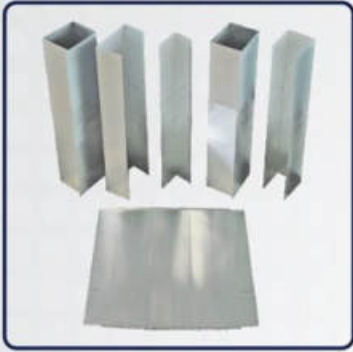


Mini Line machine has the same characteristics with Auto Duct Former. The only difference is the quantity of the uncoilers and selector unit. Miniline has got just one uncoiler and it has not got selector group. In order to produce 200\*200 duct; you only need to spend 45 seconds.

### Technical Details

Power	:	3,8 KW
Voltage - Frequency	:	380/400VAC 50-60 Hz 3Ph+PE
Current	:	10A
Air Pressure	:	6 Bar 449 lt/min
Hydraulic Unit	:	None (It Is Only Included If A Rod Punch Unit Is Added To The Machine.)
Lubrication	:	Automatic
Feeding Speed	:	6mt/min.
Min. Duct Size	:	Minimum 125x125mm
Working Speed	:	250mmx250mm Duct Manufacturing Speed 1,10 min/pcs.
Production Capacity	:	800 m <sup>2</sup> /day $\pm$ 1 m <sup>2</sup> (In 8 Hours)
Duct Types	:	Straight, L Type, U Type, Full Duct
Seam Types	:	Pittsburgh, Snaplock, Nulock
Uncoiler Capacity	:	Inner Diameter: Ø508mm / Max. Sheet Width 1500mm
Sheet Thickness	:	0,5 - 1,2mm Galvanize / 0,5 - 0,8mm Stainless Steel
Machine Dimensions	:	7mt x 2,2mt x 1,5mt (With 3 Uncoilers)
Machine Weight	:	2240 Kg
Design Cylinder	:	Z Design, Trapez Design, U Design
Double Design Options	:	Two Desired Patterns Can Be Selected. (Z-Trapez / Z-U / Trapez-U)
Options	:	*Sente Form Unit / *Rod Panch Unit (Bolt Hole for In Channel Support) *Automatic Labeling

## AUTO DUCT FORMING MACHINE WITH CASSETTE



This machine and Auto Duct Forming Machine With Cassette has the same characteristics in addition to its cassette system. It is a very helpful machine in order to produce TDF/TDC self langed duct as it makes C and P notches to make the sheet metal ready to be feed to TDF/TDC flange forming machine.

Also it eliminates the need for a lock forming machine as it makes pittsburgh's male and female which decreases production time and effort and increases your profit.

### Technical Details

Power	:	12 KW
Voltage-Frequency	:	380/400VAC 50-60 Hz 3Ph+PE
Current	:	31A
Hydraulic Unit	:	Yes / 80 Bar
Lubrication	:	Automatic
Feeding Speed	:	6mt/min.
Notch Type	:	TDF, TDC,PDF
Min. Duct Size	:	150mmx150mm (With Cassette) / 125mmx125mm (Classic Prismatic Duct)
Duct Types	:	Straight, L Type, U Type, Full Duct
Seam Types	:	Pittsburgh, Snaplock, Nulock
Number of Uncoilers	:	2 - 6 (There Are 3 Uncoilers In The Standard Machine.)
Uncoiler Capacity	:	Inner Diameter: Ø508mm / Max. Sheet Width 1500mm
Sheet Thickness	:	0,5 - 1,25mm Galvanize, Aluminium / 0,5 - 1mm Stainless Steel
Machine Dimensions	:	8,7mt x 4,7mt (With 3 Uncoilers)
Machine Weight	:	4000 Kg
Design Cylinder	:	Z Design
Options	:	*Double Design Cylinder (Z Design + Trapez Design) *Automatic Labeling



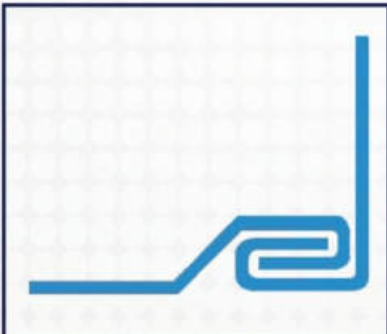
## SEAM CLOSER



Seam Closer machine is designed to seam the rectangular and square ducts. Nulock clamps are formed with 9 stations rolls. Besides silent operation of the machine, it is easy to use and economical with its output and energy-saving features. Among the similar machines with its clamp (seaming) type it is tighter and has less air leakage. It has got special roller lifts, which are highly resistant to friction and break downs.

### Technical Details

Power	:	3 KW
Voltage-Frequency	:	380/400VAC 50-60 Hz 3Ph+PE
Current	:	7,8A
Air Pressure	:	None
Working Speed	:	5 mt/min
Sheet Thickness	:	0,5 - 1,0mm Galvanize / 0,5 - 0,7mm Stainless Steel
Optional Sheet Thickness	:	0,8 - 1,2mm Galvanize / 0,5 - 0,8mm Stainless Steel
Machine Dimensions	:	470cm x 60cm x 100cm
Machine Weight	:	640 Kg





## AUTO SEAMER DUCT LINE



Auto Seamer Duct Line can be used to square and it produces rectangular sectioned ducts and closes the produced duct without separating it from the machine. Information input to the machine and monitoring of production is done through PLC controlled touch control screen (operator panel).

The machine stores the channel information produced since the first day it was used. This feature provides access to previous productions.

Technical Details	ADF Unit	Seamer Unit
Power	: 3,8 KW	3 KW
Voltage-Frequency	: 380/400VAC 50-60 Hz 3Ph+PE	380/400VAC 50-60 Hz 3Ph+PE
Current	: 10A	7,8A
Air Pressure	: 6 Bar 449 lt/min	—
Lubrication	: Automatic	Manuel
Feeding Speed	: 6mt/min.	—
Min. Duct Size	: Minimum 125x125mm	—
Working Speed	: 250mmx250mm Duct Manufacturing Speed 1,10 min/pcs.	5 mt/min
Production Capacity	: 800 m <sup>2</sup> /day $\pm$ 1 m <sup>2</sup> (In 8 Hours)	—
Duct Types	: Düz Sac, L Tipi kanal, U Tipi Kanal, Kare Kanal	—
Seam Types	: Pittsburgh, Snaplock, Nulock	Nulock
Uncoiler Capacity	: Inner Diameter: Ø508mm / Max. Sheet Width 1500mm	—
Sheet Thickness	: 0,5 - 1,2mm Galvanize 0,5 - 0,8mm Stainless Steel	0,5 - 1,0mm Arası Galvanize 0,5 - 0,8mm Arası Stainless Steel
Machine Dimensions	: 7mt x 2,2mt x 1,5mt (With 3 Uncoilers)	4,7m x 0,6cm x 1m
Machine Weight	: 3360 Kg	640 Kg
Design Cylinder	: Z Design	
Options	*Optional Different Design Options: Trapez Design, U Design *Sente Form *Automatic Labeling	

## AUTOMATIC SELF FLANGED DUCT BENDING AND SEAM CLOSING MACHINE



Automatic Self Flanged Duct Bending And Seam Closing Machine is designed to produce self flanged rectangular ducts with TDF flange. Thanks to its special design and advanced plc system, bending and seam closing processes are done automatically and could be done with only one worker which allow you to save on labour and time and reduces measurement error to minimum.

### Technical Details

Power	:	2,5 KW
Voltage-Frequency	:	380/400VAC 50-60 Hz 3Ph+PE
Current	:	6,3A
Air Pressure	:	6 Bar 449 lt/min
Lubrication	:	Automatic
Min. Duct Size	:	Minimum 150x150mm
Duct Types	:	Straight, L Type, U Type, Full Duct
Seam Types	:	Pittsburgh
Sheet Thickness	:	0,5 - 1,2mm Galvanize / 0,5 - 0,8mm Arası Stainless Steel
Machine Weight	:	2460 Kg
Machine Dimensions	:	1,9mt x 2,2mt x 1,15mt (Main Machine) 3,3mt x 1,5mt x 1mt (Conveyor)



## 2MM AUTO DUCT FORMER (2MM ADF LINE)

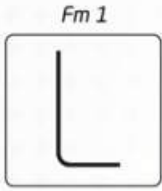


It consists of 2mm Auto Duct Former (2mm ADF Line) , auto duct former with notching, flange machine and 2 mm bending groups. The machine is semi-automatic and fully automatic versions are available.

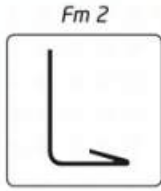
With this line, high-strength smoke ducts can be produced quickly from sheet metal with a thickness of 2 mm. shutdown process It is done by welding method. There is no clamp type.

Technical Details		Semi Automatic Line	Full Automatic Line
Power	: 2mm Uncoiler 2mm ADF With Notching 2mm 35mm TDF Flange Unit 2mm TDC Bending Unit	0,75 KW 4,4 KW 7,5KW 4,0KW	Total : 28KW
Voltage-Frequency	: 380/400VAC 50-60 Hz 3Ph+PE		380/400VAC 50-60 Hz 3Ph+PE
Lubrication	: Automatic		Automatic
Sheet Thickness	: 1,5mm - 2,0 mm		1,5mm - 2,0mm
Sheet Width	: Min. 1200mm - Max. 1500mm		Min. 1200mm - Max. 1500mm
Feeding Speed	: 4 mt/min		4 mt/min
Min. Duct Size	: 200mm x 200mm		200mm x 200mm
Seam Types	: Welding		Welding
Sheet Transfer	: Manuel		Automatic
Machine Dimensions	: 2mm ADF With Notching 2mm TDF Flange Unit 2mm TDC Bending Unit 2mm Uncoiler	2,3m x 2,2m x 1,3m 4m x 2,2m x 1,25m 2m x 0,85m x 1,25m 2,15m x 1,7m x 0,80m	Length: 13,25 meter Width : 2,30 meter Height : 1,80 meter
Machine Weight	: 2mm ADF With Notching 2mm TDF Flange Unit 2mm TDC Bending Unit 2mm Uncoiler	2200Kg 2600Kg 1100Kg 600Kg	Total : 7000Kg

## FLANGING MACHINE



\*Pittsburgh Seam



\*Snaplock Connection

Flanging Machine is designed for composing male side in Pittsburgh and Snaplock seams. Design is not depending on geometry. You can prepare edges of different pieces as Pittsburg or Snaplock male. It is very easy to use and ergonomic. Electricity consumption is very low. It is flexible side is the same in every point. It has no difference.

### Technical Details

Power	:	2,2 KW
Voltage-Frequency	:	230VAC 50-60 Hz 1Ph+N+PE
Current	:	10A
Air Pressure	:	6 Bar 449 lt/min
Sheet Thickness	:	0,5mm - 1,0mm Galvanize, Aluminium, Stainless Steel
Flange Edge Height	:	8mm veya 10mm
Inner Radius For 90° Segment	:	Minimum Ø120mm
Inner Radius For 180° Segment	:	Minimum Ø180mm
Machine Weight	:	640 Kg
Machine Dimensions	:	570mm x 620mm x 1300mm





## LOCK FORMER



It has got 9 stations. Machine can work with up to 1,2 mm sheet thickness. Two roller sets are standard in the machine. One side can be Pittsburgh and the other side can be Snaplock. Roller sets are made of high quality steel in order to extend its life time. Working height can be adjusted in order to increase the safety. It works very quite. Also sheet's radius could be changed with its adjustable roller set.

Standard seam types available on the machine:

- Pittsburgh Seam
- Snaplock Seam
- Drive Cleat Seam
- S & Drive S Cleat Seam
- Longitudinal Seam
- Single and double Standing Seam

Snaplock Connection



Longitudinal seam connection



S seam



Pittsburgh seam



Single and double standing seam



Drive cleat



### Technical Details

Power	: 3 KW
Voltage-Frequency	: 380/400VAC 50-60 Hz 3Ph+N+PE
Current	: 7,8A
Sheet Thickness	: 0,5 - 1,0mm Galvanize : 0,5 - 0,7 mm Stainless Steel, Aluminium : 1mm - 1,2 mm Arası Galvanize
Machine Dimensions	: 2,2m x 0,66m x 1,07m
Machine Weight	: 410 Kg

## PITTSBURGH SEAM CLOSER



This machine helps you to seam tightly your products with Pittsburgh seam type. Easy and fast operation. It reaches 15mt/minspeed.

### Teknik Veriler

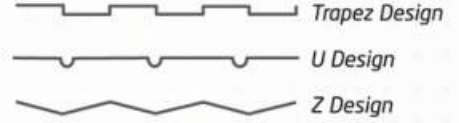
Power	:	2,2 KW
Voltage-Frequency	:	230VAC 50-60 Hz 1Ph+N+PE
Current	:	10A
Air Pressure	:	6 Bar 12 lt/min
Sheet Thickness	:	0,5 - 1,2mm Galvanize, Aluminium, Stainless Steel
Minimum Duct Size	:	200mm x 200mm
Maximum Operating Speed	:	15 mt/min
Working Length	:	1250mm - 2100mm
Machine Weight	:	770 Kg
Machine Dimensions	:	3100mm x 800mm x 1870mm







## PROFILING MACHINE



This machine allows you to make a reinforcement for ducts. It is very easy to use. You can use hismachine in order to make Z design, Trapezoid design or U bead form.

### Technical Details

Power	: 0,75 KW
Voltage-Frequency	: 3x380/400V 50Hz 3PH+N+PE
Current	: 2A
Sheet Thickness	: Galvanize: 0,4mm - 1,20mm 400N/mm <sup>2</sup>
Maximum Product Width	: Maximum 2500mm
Maximum Product Length	: Unlimited
Working Speed	: 15 m/min
Trapezoidal Design Profile Height	: Minimum 0,5mm - Maximum 3mm
Optional Roller Types	: Z Design , U Design, Trapez Design
Edge Guidance	: Yes. Adjustable.
Machine Weight	: 1250 Kg
Machine Dimensions	: 3,1m x 1,24m x 1,28m

## FLANGE CUTTING MACHINE



This machine is used to cut flanges according to the desired length. It makes precise and burr free cutting with the 1500mm measure ruler. This is a very useful machine with the number counter. Machine gives a signal when the operation is done. Controlled with pneumatic foot pedal.

### Technical Details

Power	: 1,5 KW
Voltage-Frequency	: 380/400VAC 50-60Hz 3PH+N+PE
Current	: 4A
Air Pressure	: 6 Bar 8 lt/min
Machine Weight	: 105 KG
Machine Dimensions	: 550mm x 550mm x 780mm

## SLIDE ON FLANGE MACHINE



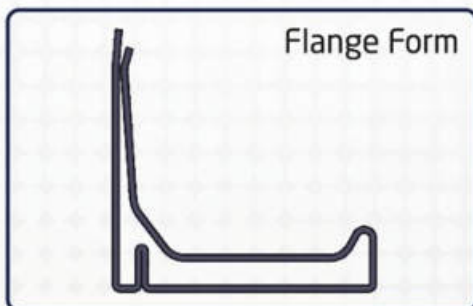
The Slide Of Flange Machine, is designed to produce the required flange profiles for square section ducts. During the production of flanges on the machine. Thanks to the specially mixed mastic used, superior sealing is provided. Flange with high speed and quality thanks to PLC control can be produced.

The machine has an automatic tilting table with right and left hoppers. In this way, the flanges produced can be easily packed. In order to obtain a smoother flange form from the machine, the reel unit of the machine consists of 24 stations. The desired text can be printed on the flanges with a spool.

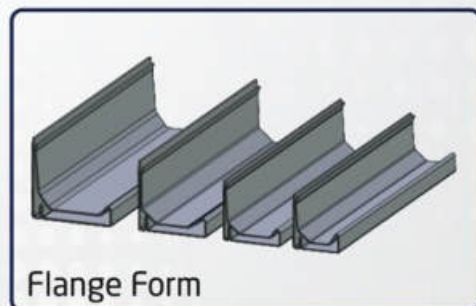
Groups in the Machine:

- Uncoiler
- Cutting unit
- Run-Off Table
- Roll Forming Unit
- Silicone Unit
- PLC Control Screen

Technical Details	Model T-20	Model T-25	Model T-30	Model T-35	Model T-40
Power	7 KW	7 KW	7 KW	7 KW	7,5 KW
Voltage-Frequency	380V 3PH 50Hz	380V 3PH 50Hz	380V 3PH 50Hz	380V 3PH 50Hz	380V 3PH 50Hz
Current	24,5A	24,5A	24,5A	24,5A	25A
Air Pressure	6 Bar 35lt/min	6 Bar 35lt/min	6 Bar 35lt/min	6 Bar 35lt/min	6 Bar 35lt/min
Sheet Thickness	0,6mm	0,6mm - 0,7mm	0,6mm - 0,7mm	0,7mm - 0,8mm	0,9mm - 1,00mm
Sheet Width	91mm	105,5mm	115mm	137mm	146mm
Number of Stations	24	24	24	20	20
Max. Working Speed	16 m/min	16 m/min	16 m/min	12 m/min	12 m/min
Machine Weight	2200 Kg	2200 Kg	2200 Kg	2200 Kg	2300 Kg
Machine Dimensions	11,5m x 1,4m x 0,70m	11,5m x 1,4m x 0,70m	11,5m x 1,4m x 0,70m	11,5m x 1,4m x 0,70m	11,5m x 1,4m x 0,70m



Flange Form



Flange Form



## UNCOILERS



UNC 7000



UNC 5000



UNC 7000M



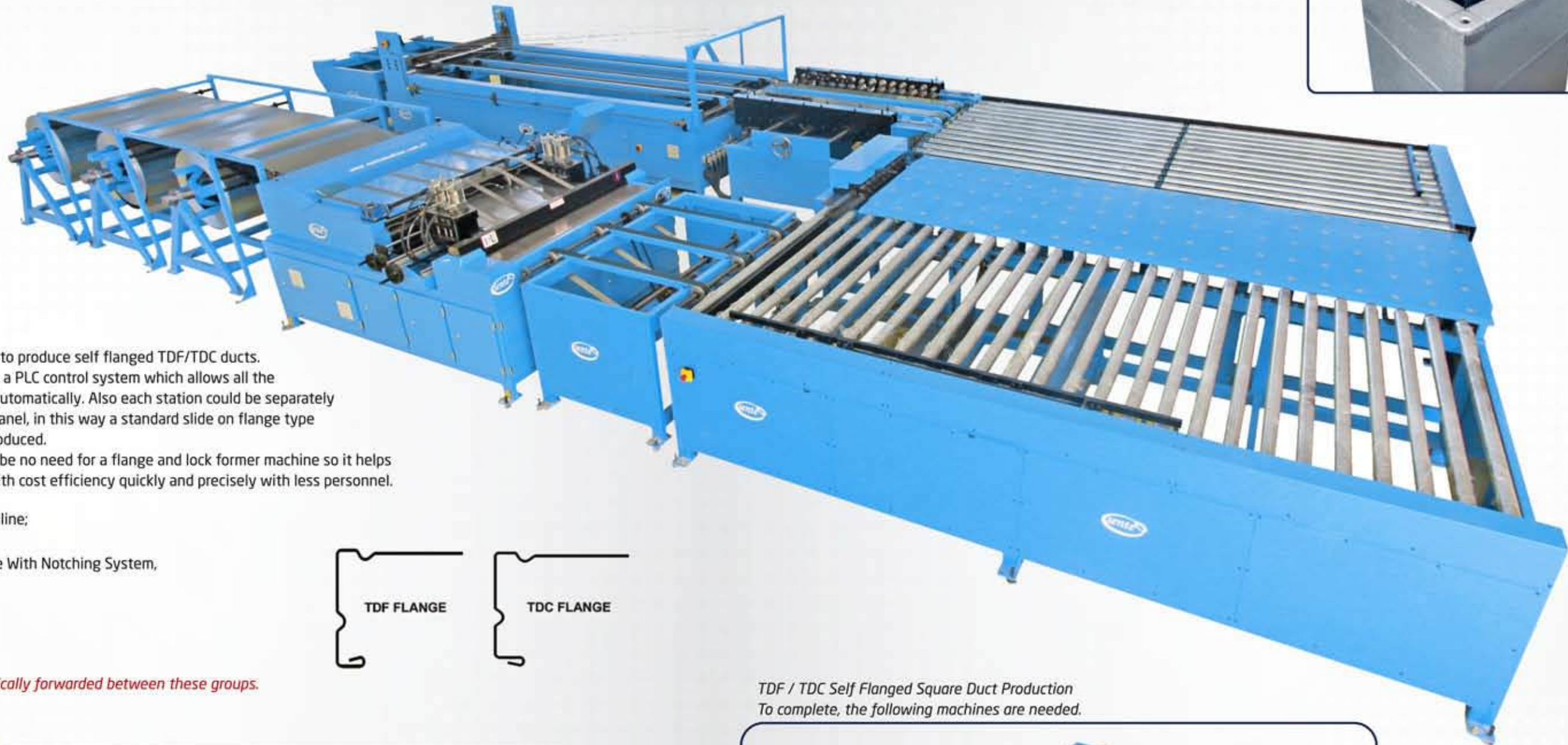
UNC 5000 Rail

The uncoiler allows you to carry the sheet in parallel form. There are 2 options for the uncoilers. One of them can carry 5 ton and the second one can carry 7 ton in maximum 1500 mm width.

Technical Details	UNC 5000	UNC 7000	UNC 7000M
Coil Size	İnne Dia Ø 508mm	İnne Dia Ø 508mm	İnne Dia Ø 508mm
Maximum Sheet Width	1500mm	1500mm	1500mm
Maximum Roll Weight	4 Ton	7 Ton	7 Ton
Brake System	Yok	Var	Yok
Bedding	Friction	Bearing	Bearing
Edge Guard	Yes	None	None
Motor	None	None	Var (0,75KW 220W 1Ph+N+PE)
Air Pressure	None	None	6 Bar 33 lt/dk
Overprint	None	None	Yes
Wheel	Optional	Optional	Optional



## FULLY AUTOMATED DUCTING MACHINE



This production line is made to produce self flanged TDF/TDC ducts. The machine is controlled by a PLC control system which allows all the operations to be controlled automatically. Also each station could be separately controlled from the control panel, in this way a standard slide on flange type rectangular duct could be produced. With this machine there will be no need for a flange and lock former machine so it helps you to manufacture ducts with cost efficiency quickly and precisely with less personnel.

Machines and groups on the line;

- Uncoilers (Opsiyonlu),
- Auto Duct Forming Machine With Notching System,
- Lock Forming Group,
- Flange Group,
- Bending Group
- Transfer Group.



*Note: Channels are automatically forwarded between these groups.*

TDF / TDC Self Flanged Square Duct Production  
To complete, the following machines are needed.



TDF/TDC Flange&Clips  
Machine

Vertical Seam  
Closer

Cornermatic

### Technical Details

Power	: 31,2 KW
Voltage-Frequency	: 380/400V 50Hz 3PH+N+PE
Notching Type	: TDF & TDC
Sheet Thickness	: Galvanize: 0,50mm - 1,20mm 400N/mm <sup>2</sup> / Stainless Steel: 0,50mm - 0,8mm
Sheet Width	: 1200mm - 1250mm - 1500mm
Sheet Width Tolerance	: +/- 0,5mm
Diagonal Tolerance	: +/- 0,8mm
Speed	: 6 m/min
Hydraulic Unit	: Yes
Prismatic Duct Size	: Minimum 150mm x 1700mm / Maximum 900mm x 900mm
L-Length Duct Size	: Minimum 150mm x 3550mm / Maximum 1800mm x 1800mm
Machine Dimensions	: 15m x 7m



## TDF/TDC FLANGE AND CLIPS MACHINE



This machine allows you to produce your fittings with TDF flange system. No need to insert extra flange after you compose your fittings. There are two roller sets on the machine. One side form the flange, and the other side form the clip which will be necessary for connecting between two ducts.



### Technical Details

Power	: 3 KW / 8A
Voltage-Frequency	: 380-400 V / 50Hz / 3PH+N+PE
Number of Rollers	: 14
Sheet Thickness	: 0,50mm - 1,00mm
Maximum Speed	: 8 m/min
Machine Weight	: 1500 kg
Machine Dimensions	: 1500mm x 700mm x 1150mm
Options	: Spool Form Flange Width; TDF & TDC: 20mm - 25mm & 35mm

## CORNERMATIC



Corner matic is designed to apply corners on the duct automatically. You just need to load the corners to the clip and start the machine with foot pedal. It is a very usefull and fast operated machine helps you to decrease your labor cost.



### Technical Details

#### Hydraulic

#### Pneumatic

Power	: 4 KW	0,3 KW
Voltage-Frequency	: 380-400 V / 3PH+PE / 50Hz	220 VAC 50Hz / 1PH+N+PE
Current	: 10A	1,5A
Sheet Thickness	: 0,50mm - 1,20mm	0,50mm - 1,20mm
Air Pressure	: None	6 Bar 196 lt/min
Dimensions	: 1250mm x 800mm x 1050mm	1250mm x 800mm x 1050mm
Machine Weight	: 400 Kg	285 Kg
Options	: L20, L25, L32	L20, L25, L32

## VERTICAL SEAM CLOSER



After producing your square or rectangular ventilation ducts,  
It is a machine designed for you to close later. Shutdown process  
Made with Pittsburgh seam.  
The seam shape is tighter and the air permeability is less.  
Suitable for all flange types.  
It works fast and is easy to use.



### Technical Details

Power	:	4 KW
Voltage-Frequency	:	380/400V 50Hz 3Ph
Current	:	10,5A
Sheet Thickness	:	0,50mm - 1,20mm
Duct Length	:	1000mm - 1500mm
Duct Flange Size	:	Suitable for All Flange Forms
Hydraulic Oil Capacity	:	80L
Machine Dimensions	:	1,1m x 0,9m x 2,1m
Machine Weight	:	1000 Kg



## PLASMA SHEET FEEDER

This machine allows you to reduce the waste material during operations. It saves you time during the operation. This machine takes the sheet from the uncoiler and feeds on to the plasma cutter table. It also makes the straightening during the operation.

### Technical Details

Power	:	2,2 KW
Voltage-Frequency	:	380/400VAC 50-60Hz 3Ph+N+PE
Current	:	6A
Feeding Speed	:	Average: 4 mt/min
Sheet Thickness	:	0,50mm - 1,20mm
Machine Dimensions	:	1,22m x 2,18m x 1,2m
Machine Weight	:	880 Kg
Options	:	1 / 2 / 3 / 4 / 5 / 6 With Feed and Uncoiler





## PLASMA CUTTER



Breeches 2 Way



2 Into 1 Type



Twin Segment Bend



Reducer



Round Offset



Shoe Tee Offset



Trouser Piece



Oval to Square



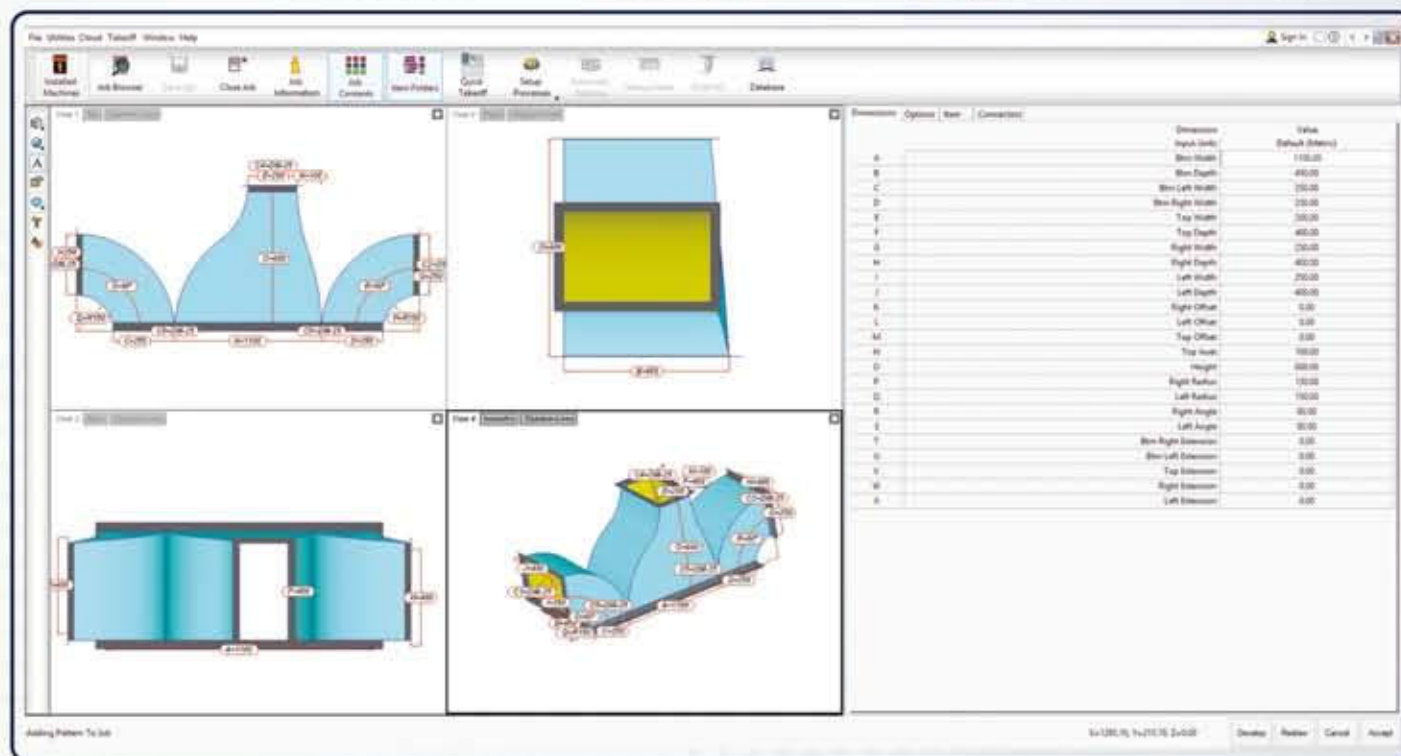
Double Radius Bend



Straight With Oval Branches



Radius Bend



Plasma Cutting Machine 3.200 x 1.500 mm. with the working area, all kinds of geometric in 2 axes It has the ability to cut shape. Cutting in the most economical way thanks to the special program used can do. In the cutting program we use, the parts needed by the ventilation sector pictures are available.

You can measure and cut existing parts. Also dxf by drawing any part you need It is possible to import and cut in format. your stainless and galvanized sheets sensitive, smooth You can cut it.

Thanks to the touch screen, there is no need for a keyboard and mouse. All kinds of outside The data can be transferred or received to the touch computer. It can be connected to any computer with the network system.

Solid slag is collected with the help of the movable dust chamber under the bridge.

\* In addition, if a suction fan is connected to this unit, the resulting smoke is filtered and given back to the environment.

Latest version Unlimited License < Autodesk Fabrication Camduct > program, next to the machine will be given free of charge.

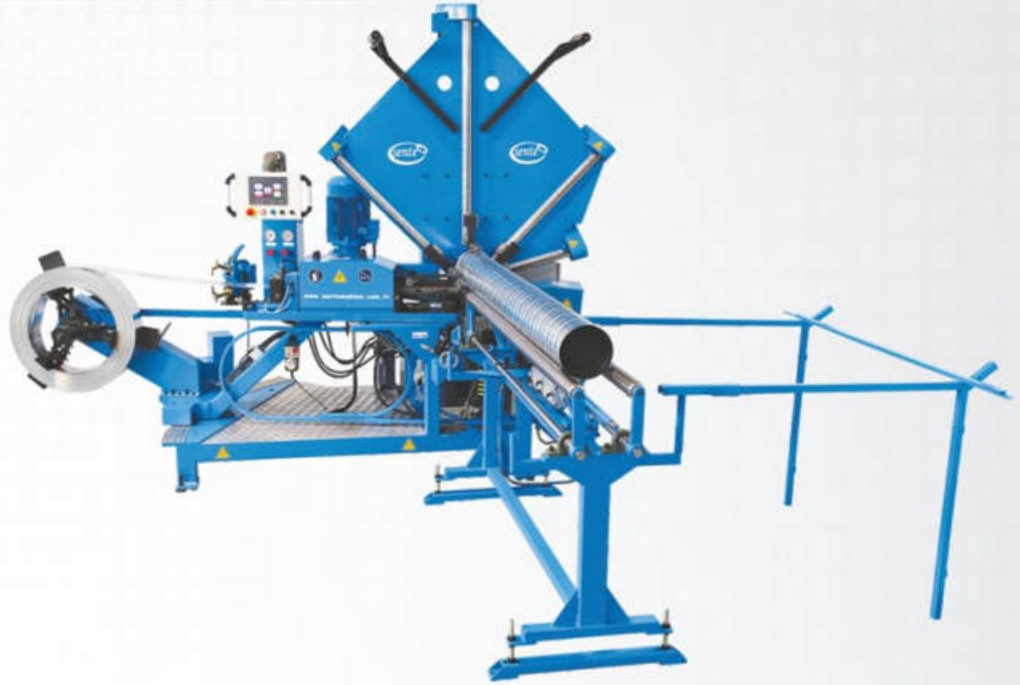


### Technical Details

Power	: 7 KW
Voltage-Frequency	: 380/400VAC 50-60Hz 3PH+N+PE
Current	: 18A
Air Need	: 189 lt/min
Air Pressure	: 7 Bar
Net Working Area	: 3200mm x 1500mm
Maximum Working Speed	: 25 m/min (Idle Speed)
Cut Speed	: 1-12 m/min
Table Carrying Capacity	: 1200 Nm2
Sheet Thickness (Optional)	: 0,50mm - 5,0mm Galvanize, Aluminium 0,50mm - 3,0mm Stainless Steel, Black DKP/HRP
Machine Dimensions	: 4,4m x 2,2m x 1,4m
Machine Weight	: 970 Kg
Motion Control System	: X and Y Axis Timing Belt, Z Axis Pneumatic
Motor	: 400 Watt Servo
Control System	: Pulser CNC Control
Software	: Autodesk Fabrication Camduct (Latest Version) (Licensed)
Plasma Power Supply	: Hypertherm Powermax 65
Plasma Cutting Table	: Grilled Type Table
Sensitivity	: +/- 0,50mm
Option 1	: 6000mm x 1500mm
Option 2	: Ultracut 100 HD
Option 3	: Hyperterm Powermax (Optional Power)



## TUBE FORMER WITH SLITTER



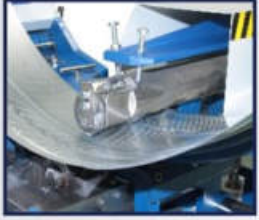
Tube former machine is designed to produce ducts in desired diameter and length. The machine is more economic and easy to operate than the others. It has a high quality seaming process. Alternative to standard diameters, it is possible to produce endless pipe in different dimensions. Manufactured ducts fulfil the requirements for EUROVENT and SMACNA.

Cutting process is made by knife (Slitter). Cutting unit is hydraulic driven. Forming and seaming are designed mechanically by the rollers. Lubricant is used during the seaming process.

Technical Details	Ø80 - Ø1600	Ø80 - Ø1600 With Servo
Power	11,5 KW	17 KW
Voltage-Frequency	380/400 VAC 50-60Hz 3Ph+N+PE	380/400 VAC 50-60Hz 3Ph+N+PE
Current	30A	44A
Air Pressure	6 Bar 15lt/min	6 Bar 15lt/min
Working Range	Ø80mm - Ø1600mm	Ø80mm - Ø1600mm
Working Speed	4-39 m/min	4-39 m/min
Sheet Thickness	Galvanize: 0,4mm - 1,0mm Aluminium: 0,6mm - 1,0mm Stainless Steel: 0,4mm - 0,7mm	Galvanize: 0,4mm - 1,0mm Aluminium: 0,6mm - 1,0mm Stainless Steel 0,4mm - 0,7mm
Sheet Width	137mm	137mm
Decoiler Capacity	Minimum Inner Dia Ø508mm Max. Weight 750 Kg / Outer Dia Max. Ø1000mm	Minimum Inner Dia Ø508mm Max. Weight 750 Kg / Outer Dia Max. Ø1000mm
Duct Length	Min. 500mm - Max. 6000mm	Min. 500mm - Max. 6000mm
Machine Dimensions	3,70m x 2,50m x 2,90m	3,70m x 2,50m x 2,90m
Machine Weight	1850 Kg	2050 Kg
Standard Diameters	Ø80, Ø100, Ø125, Ø150, Ø160, Ø180, Ø200, Ø224, Ø250, Ø280, Ø300, Ø315, Ø335, Ø400, Ø450, Ø500, Ø560, Ø600, Ø630, Ø710, Ø800, Ø900, Ø1000, Ø1120, Ø1250, Ø1400, Ø1500, Ø1600 <i>*Can be produced in all standard and intermediate diameters.</i>	Ø80, Ø100, Ø125, Ø150, Ø160, Ø180, Ø200, Ø224, Ø250, Ø280, Ø300, Ø315, Ø335, Ø400, Ø450, Ø500, Ø560, Ø600, Ø630, Ø710, Ø800, Ø900, Ø1000, Ø1120, Ø1250, Ø1400, Ø1500, Ø1600 <i>*Can be produced in all standard and intermediate diameters.</i>
Automatic Tilting	None	Yes
Hydraulic	None	Yes
Sheet Inlet/Diameter Adjust.	Manuel	Automatic



## HEAVY DUTY TUBE FORMER



Heavy duty tube former machine is designed to produce ducts in desired diameter and length. Machine is designed to fulfil the EUROVENT and SMACNA standards. It allows you to manufacture high quality ducts in a short time with quite operation. It is a cost effective solution for the circular duct product.

The outstanding splitter cuts the spiral ducts without noise or hot sparks as known from the saw and provides smooth tube ends without debarring.

Groups in the machine:

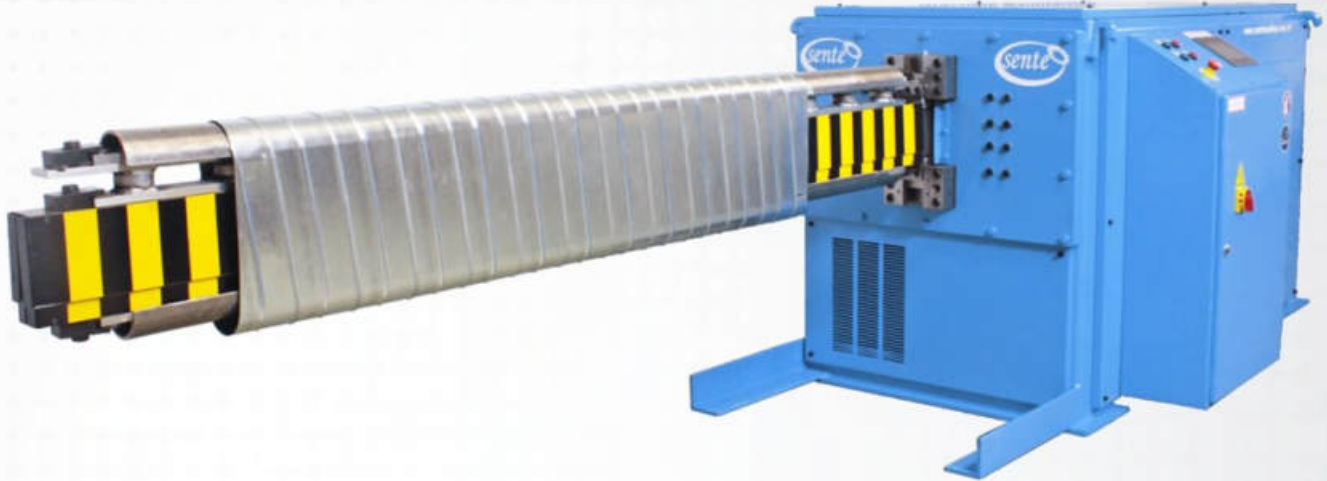
- Decoiler Unit,
- Automatic Lubrication Unit
- Cylinder Form Unit
- Mold Unit (For Standard Diameters)
- Cutting Unit
- Transport Stand
- Mold Hanger

### Technical Details

Power	: 20 KW
Voltage-Frequency	: 380/400VAC 50-60 Hz 3Ph+PE
Current	: 53A
Air Pressure	: 6 Bar 210 lt/min
Hydraulic Unit	: Yes. 110 Bar
Working Speed	: 4 mt/min - 65mt/min
Sheet Thickness	: 0,40mm - 1,0mm Galvanize & Aluminium / 0,40mm - 0,80mm Stainless Steel
Sheet Thickness Option	: 1,0mm - 1,2mm Galvanize
Sheet Width	: 0,40mm - 1,0mm For 137mm
Sheet Width Option	: 1,0mm - 1,2mm For 140mm
Diameter Range	: Ø100 - Ø1250mm
Diameter Range Option	: Ø80 - Ø1500mm
Item Length	: Minimum 250mm / Maximum 6000mm
Sheet Roll Size	: Minimum Inner Diameter Ø508mm / Width 137mm Max. Weight 750 Kg / Outer Diameter Max. Ø1000mm
Machine Dimensions	: 1750mm x 1460mm x 1390mm
Machine Weight	: 2487 Kg
Standard Diameter Dimensions	: Ø100, Ø125, Ø150, Ø160, Ø180, Ø200, Ø225, Ø250, Ø280, Ø300, Ø315, Ø355, Ø400, Ø450, Ø500, Ø560, Ø600, Ø630, Ø710, Ø800, Ø900, Ø1000, Ø1120, Ø1250,
Optional Diameter Dimensions	: Ø80, Ø1300, Ø1400, Ø1500, Ø1600

\*Only standard diameter products can be manufactured.

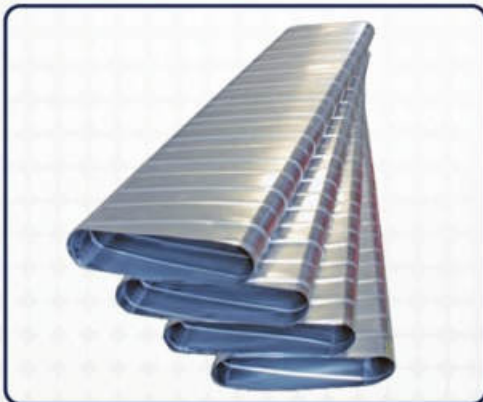
## OVALIZER MACHINE



Ovalize Machine transforms spiral ducts and fittings to Oval shape which gives the duct a better air flow as a spiral duct and a small size as a rectangular duct with a modern design. For all standard diameters different molds are found.

The machine Works with PLC control system. And with its two powerful cylinders a high quality and flat oval duct is produced.

Technical Details	Ø8" - Ø18" Ovalizer Machine	Ø3" - Ø6" Ovalizer Machine
Power	22 KW	15 KW
Voltage-Frequency	380/400 VAC 50-60Hz 3Ph+PE	380/400 VAC 50-60Hz 3Ph+PE
Current	58A	39A
Hydraulic System	Yes	Yes
Maximum Pressure	160 Bar	125 Bar
Length	3000mm	2000mm
Dies	Ø8" - Ø18"	Ø3" - Ø6"
Optional Dies	Ø5" - Ø6" / Ø20" - Ø36"	-





## CYLINDER OVAL MACHINE



Cylinder Oval Machine is a machine to roll the sheet according to entered oval size on PLC screen. Oval Roller Machine rolls oval elbow, oval reducer and T-pieces parts which are necessary for oval duct systems.

Standart oval sizes are in the PLC screen memory and manual rolling option is also available for special sizes. Machine Works by foot pedal. It allows a smooth production with the automation system.

### Technical Details

Power	:	1,9 KW
Voltage-Frequency	:	50Hz 3Ph+N+PE
Current	:	8,5A
Servo Motor	:	400KW
Reducer Motor	:	0,75 KW
Maximum Sheet Thickness	:	1,0mm
Maximum Sheet Width	:	1250mm
Minimum Radius	:	R45 mm
Cylinder Diameter	:	60mm
Machine Dimensions	:	1905mm x 724mm x 1345mm
Machine Weight	:	350 Kg



## ELBOW MAKER



This machine allows you to make the fittings (elbows) which you cut in the plasma cutter machine. By using this machine you can save time and man power up to %80. It allows you to use 1,2 mm thickness of sheet in order to make fittings, reductions and end plates.

There are 2 work stations on the machine;

- 1- Flanging stations (single -double).
- 2- Seaming (clamping) station (to finish the fittings)

Two stations let two operators work at the same time which allows you to save production time. It's simple and easy to operate the machine. It is designed for the professional work shops and factories.

### Technical Details

Power	:	4 KW	
Voltage-Frequency	:	380/400 VAC 50-60Hz 3Ph+PE	
Current	:	10,5A	
Air Pressure	:	6 Bar 9 lt/min	
Diameter Range	:	Ø100mm - Ø1250mm	
Production Time	:	Ø200mm 90° For Elbow in 4 Pieces 2 minutes	
Sheet Thickness	:	0,50mm - 1,20mm	
Diameter Range	:	Flange Height	Diameter Range
		5mm	Ø125mm - Ø250mm
		7,5mm	Ø500mm - Ø500mm
		10mm	Ø500mm - Ø1250mm
Hydraulic Oil Amount	:	55 Litre 46 Viscosity	
Machine Dimensions	:	2,7m x 0,8m x 1,07m	
Machine Weight	:	890 Kg	



## HIGH FREQUENCY STITCHWELDER



High Frequency Stitchwelder machine allows you to weld the straight and circular sheets without burning. This operation is made by the copper wire. This machine decreases your labor cost and saves you money. As it is a fully automatic machine, it is very easy to use.

This machine differs from other machines in market with the following points:

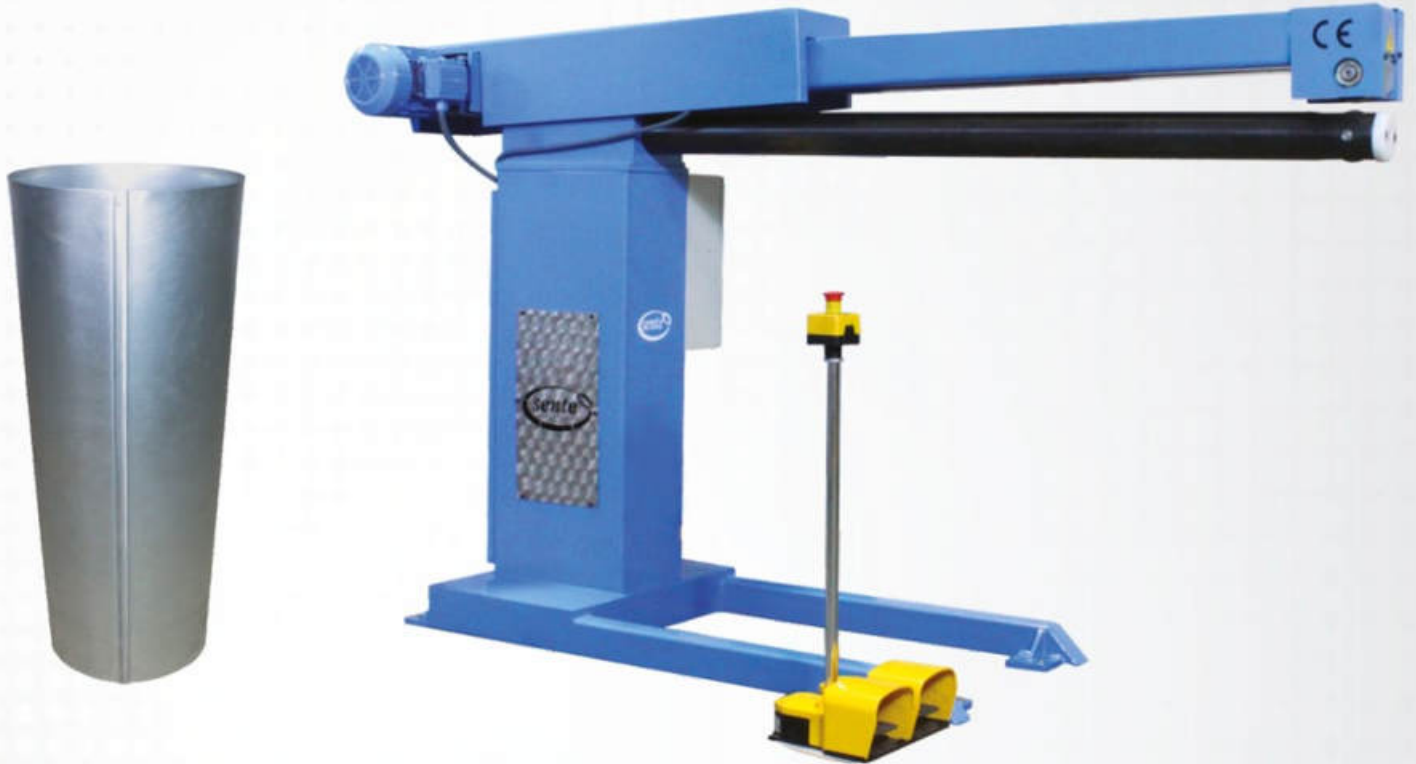
- \* Weldment copper wire is used two times so it saves too much on copper .
- \* Seam allowance is so small so it saves sheet waste.
- \* Electric consumption is more less than other machines. (Patent)

### Tecnichal Details

Power	: 26 KW
Voltage-Frequency	: 380/400 VAC 50-60Hz 3Ph+N+PE
Current	: 63A
Air Pressure	: 6 Bar 2 lt/min
Diameter Range	: Ø80mm - Ø1250mm
Working Speed	: 2mt/min - 8mt/min
Wire Diameter	: 2,0mm
Sheet Thickness	: 0,5mm - 1,0mm Galvanize and Stainless Steel
Overlap	: 10mm
Optional Weld Length	: 50mm - 1000mm / 50mm - 1250mm
Cooling Unit	: Yes
Machine Dimensions	: 2400mm x 1000mm x 1700mm
Machine Weight	: 700 Kg



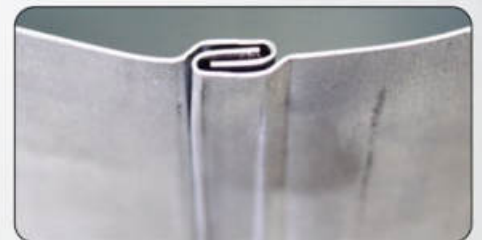
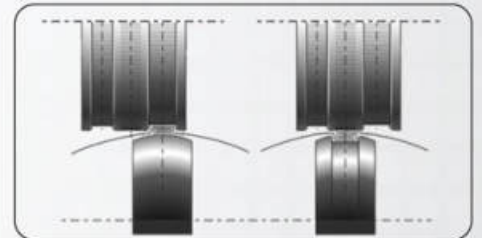
## LOCK SEAM CLOSING MACHINE



The Lock Seam Closing Machine, makes the seam within seconds for both the outside and inside positions. It is possible to make ducts with diameters from 100 mm to 1000 mm. By turning the channel, the working length can be doubled. channels. It saves labor costs and time with its fast working capacity.

### Technical Details

Power	:	1,5 KW
Voltage-Frequency	:	380/400 VAC 50-60Hz 3Ph+N+PE
Current	:	4A
Hydraulic Unit	:	Yes. 150 Bar
Working Length	:	1500mm
Sheet Thickness	:	1,0mm
Seam Width	:	10mm / 13mm
Working Speed	:	16 mt/min
Working Height	:	1020mm
Minimum Diameter	:	100mm
Maximum Diameter	:	Unlimited
Machine Length	:	1740mm
Machine Width	:	520mm
Machine Height	:	1260mm
Machine Weight	:	310 Kg





## POST TENSIONING DUCT MACHINE



With this machine, flexible pipes used in the construction industry to leave spaces under concrete are produced. On the pipe Thanks to the grooves, resistance to crushing is provided. Thanks to the flexibility of the pipe, there is no need to use additional equipment such as elbows.

Screwing is done with a larger diameter pipe to join the flexible pipes. An upper diameter channel It is used as a sleeve and thus the length of the duct is extended by connecting it to each other.

Flexible cutting process will be with plasma cutting in the machine. A more burr-free and flat product is obtained compared to machines working with saws.

### Technical Details

Power	:	20 KW
Voltage-Frequency	:	380/400 VAC 50-60Hz 3Ph+N+PE
Current	:	53A
Sheet Thickness	:	Galvanize 0,4mm - 0,5mm
Sheet Width	:	78mm +/-0,5mm
Bead Number	:	4 Pcs
Seam Width	:	5,2mm
Sheet Feed Speed	:	4mt/min. - 39mt/min.
Lubrication	:	Automatic
Needed Length	:	Automatic Plasma Cutting
Maximum Pipe Length	:	Unlimited
Table Type	:	Automatic Tilting Table
Cut Type	:	Plasma Cutting
Sheet Insertion	:	Done With Points Welding Machine Provided With The Machine.
Air Pressure	:	6 Bar 7lt/min
Machine Weight	:	650 Kg
Machine Dimensions	:	3,2m x 1,75m x 2,5m (For 2 Tables)
Product Diameters	:	50mm-55mm-60mm-65mm -70mm-75mm-80mm-85mm -90mm-95mm 100mm-105mm-110mm-115mm-120mm-125mm-130mm-135mm

## FLAT POST TENSIONING DUCT MACHINE



Flat Post Tensioning Machine, allows to flattening tubes which produced by post tensioning duct machine. Machine can make 2 different sizes with the 2 forming stations. Easy and fast operation allowance.

Machine will be designed on required oval sizes made from Ø45, Ø50, Ø55, Ø60, Ø65, Ø70, Ø75, Ø80, Ø85 diameter of tubes.

### Technical Details

Power	:	3 KW
Voltage-Frequency	:	380/400 VAC 50-60Hz 3Ph+PE
Current	:	7,8A
Working Speed	:	8mt/min. - 9mt/min.
Number of Stations	:	Varies by Product
Working Height	:	950mm





## FITTINGS ROUNDER



Fittings Rounder is a very useful machine used to round the inside and the outside parts of air duct's elbow. It's sliding rollers allows pre-seamed parts to be rounded without closing thier seams.

### Technical Details

Power	:	1,5 KW
Voltage-Frequency	:	220/2300 VAC 50-60Hz/1P+N+PE
Current	:	6,8A
Lubrication	:	Manuel
Control Type	:	Dual Foot Pedal (Back and Forward)
Working Speed	:	10 mt/min
Minimum Sheet Width	:	120mm
Maximum Sheet Width	:	1500mm
Minimum Radius	:	200mm
Seam Type	:	Snaplock, Pittsburgh
Sheet Thickness	:	0,5mm - 1,2mm
Machine Dimensions	:	2300mm x 650mm x 1100mm



## CHIMNEY ELBOW MAKING MACHINE



The intended use of the BM 600 Chimney Elbow machine is to create a socket in special thin-walled metallic segmental bends of Ø80mm - Ø600mm (1000mm) or Ø60mm.

**Control:**

The machine is controlled by PLC touch screen. It is high precision.

**Material:**

Stainless Steel from 0.40mm to 1.00 mm. Diameter Range: Ø80mm - Ø600mm

**Mode of Operation:**

The operator brings the segmented parts to their working position. When the foot pedal is pressed, the inner and outer parts are formed automatically. Plc is programmed so that only the new value needs to be entered to change the diameter. The parameters for machining the inner and outer part will be set automatically. The completion time of a 100mm diameter segment is about 6 to 8 seconds. In addition, it is possible to vary the fit of the parts (loose or tight).

### Technical Details

Power	:	2,6 KW
Voltage-Frequency	:	380 Volt 50Hz 3Ph+N+PE
Current	:	12A
Table Size	:	800mmx1600mm
Air Pressure	:	4 Bar
Control Type	:	PLC Control
Screen Type	:	Touch Screen
Working Range	:	Ø80mm - Ø600mm
Sheet Thickness	:	0,4mm - 1,0mm
Seam Flatness	:	6mm - 7mm
Machine Dimensions	:	1600mm x 800mm x 1300mm





## MANUEL SWAGING MACHINE



Manual swaging machine is produced to forming edges of long duct pieces to strengthen and can do vary of shapes to the edge of duct pieces such as flanging, beading etc. Machine is driven by an electrical motor.

### Technical Details

Power	:	2,2 KW
Voltage-Frequency	:	220V 50-60 Hz 1Ph+N+PE
Current	:	10A
Working Speed	:	1mt/min - 15mt/min
Maximum Working Depth	:	215mm
Distance from Center to Center	:	50mm
Maximum Sheet Thickness	:	1,25mm (For Galvanized Sheet)
Machine Weight	:	45 Kg
Machine Dimensions	:	500mm x 700mm x 1400mm

## GUILLOTINE



Sente Guillotine is a solid body mechanical sheet metal cutting machine, it is considered a heavy duty operating machine due to it's rigid body which extends its operation life time.









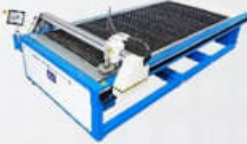


The design of it's body could prevent any deformation could happen during cutting process and with its sharp blades you can get a very clean and high quality cut with sheets up to 2 mm. Which makes it the perfect choice for duct work shops or any sheet metal processing line..

### Technical Details












Power	:	2,2 KW
Voltage-Frequency	:	380/400 VAC 50-60Hz/3Ph+N+PE
Current	:	5,8A
Lubrication	:	Manuel
Control Type	:	Foot Pedal
Maximum Sheet Thickness	:	1500mm
Machinable Sheet Thicknesses	:	0,5mm - 1,0mm / 1,00mm - 2,00mm
Machine Weight	:	800 Kg
Machine Dimensions	:	1800mm x 870mm x 1160mm



PAGE 4	Auto Duct Former Machine	ADF-P3	Pneumatic	With 3 Uncoiler	Label	
		ADF-H3	Hydraulic		Double Design	
					Sente Form	
PAGE 5	Auto Duct Former With Notching	ADFN-H3	Hydraulic	According to the Desired Notching Dimensions		
PAGE 6	Auto Duct Former Mini Line	ADFM-P1	Pneumatic	With Single Uncoiler	Label	
		ADFM-H1	Hydraulic		Double Design	
					Sente Form	
PAGE 7	Auto Duct Forming Machine with Casette	CST-H3				
PAGE 8	Seam Closer	SC 1	Work Between 0,5mm - 1,0mm Sheet Thickness			
		SC 2	Work Between 0,8mm - 1,2mm Sheet Thickness			
PAGE 9	Auto Seamer Duct Line	ADSM				
PAGE 10	Automatic Self Flanged Duct Bending And Seam Closing Machine	STG 3				
PAGE 11	2mm Auto Duct Former (2mm ADF Line)	ADFF				
PAGE 12	Flanging Machine	FM 1	Single Head			
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PAGE 14	Pittsburgh Seam Closer	PSC-1500				
		PSC-1000				
PAGE 15	Profiling Machine	IZ-01				

PAGE 15	Flange Cutting Machine	FCM		
PAGE 16	Slide On Flange Machine	T-20, T-25, T-30, T-35, T-40		
PAGE 17	Uncoiler	UNC-5000 UNC-7000 UNC-7000M	Carry 5 Ton And 7 Ton In 1500mm Sheet Width	
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		OVL-200 (8" - 18")	
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PAGE 28	Elbow Maker	EM	
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		SW-HF-1270	
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PAGE 33	Fittings Rounder	VR	
PAGE 34	Chimney Elbow Making Machine	RFM	
PAGE 35	Manuel Swaging Machine	EMF	
PAGE 36	Guillotine	CPL-MKS	



SENTE MAKİNA İNŞ. SAN. ve TİC. LTD. ŞTİ.

Adnan Kahveci Mahallesi, Gölboyu Caddesi, No:20  
34528 Gürpınar - Beylikdüzü - İSTANBUL / TÜRKİYE

T: +90 212 856 11 32 - F: +90 212 856 11 31

E: [info@sentemakina.com.tr](mailto:info@sentemakina.com.tr)

