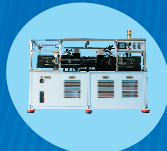


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S.Y. TECH CORPORATION CO., LTD.
S.Y. INTERTRADE LIMITED PARTNERSHIP

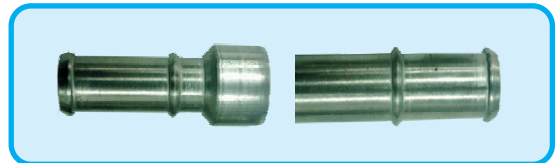


COPPER, ALUMINIUM & STEEL
PIPE PROCESSING MACHINERY
INNOVATION FOR PIPE PROCESSING MACHINERY
High Quality For Best Products

PIPE END-FORMING MODEL : EF-303HT



PIPE END-FORMING WITH AUTO LOADER MODEL : EF-303HTL



ITEM / MODEL

Control Method
Clamping Method
Punching
Tube Diameter
Processing Speed
1punch/2punch/3punch
Punch Stroke
Hydraulic Pump
Auto Loader Type
Auto Loader Pipe Length
Auto Loader Pipe Dia.Max
Power Supply
Hydraulic Cylinder
Working
Clamping
Hydraulic Tank
Pneumatic Pressure
Machine Dimension
Weight

EF-303HT

PLC controller
Horizontal
3 punches / force 3.5 tons.
Ø 4.76 - Ø 19.1 x t 1.5 mm.

3 sec. / 4.5 sec. / 6 sec.
80 mm.
70 kg./cm³
-
-
-
Ø 380V , 3PH 50 / 60 Hz.

Ø 100 x 60 mm.
Ø 80 x 35 mm.
80 Liters
5 kg. / cm²
1100(L)x 900(W)x1100(H)mm.
900 kg.

EF-303HTL

PLC controller
Horizontal with Auto Loader & Un-Loader
3 punches / force 3.5 tons.
Ø 4.76 - Ø 19.1 x t 1.5 mm.

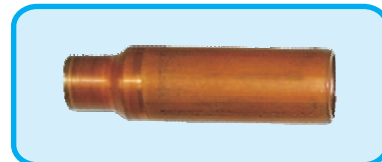
3 sec. / 4.5 sec. / 6 sec.
80 mm.
70 kg./cm³
Gripper with Transferable Type
50-300 mm.
15.9 mm.
Ø 380V , 3PH 50 / 60 Hz.

Ø 100 x 60 mm.
Ø 80 x 35 mm.
80 Liters
5 kg. / cm²
1100(L)x900(W)x1100(H)mm.
1050 kg.

PIPE END-FORMING MODEL : EF-503VT



PIPE END-FORMING WITH AUTO LOADER MODEL : EF-303VTL



ITEM / MODEL

Control Method
Clamping Method
Punching
Tube Diameter
Processing Speed
1punch/2punch/3punch
Punch Stroke
Hydraulic Pump
Auto Loader Type
Auto Loader Pipe Length
Auto Loader Pipe Dia.Max
Power Supply
Hydraulic Cylinder
Working
Clamping
Hydraulic Tank
Pneumatic Pressure
Machine Dimension
Weight

EF-503VT

Touch screen panel
Vertical
3 punches
Ø 4.76 - Ø 22.25 x t 1.5 mm.

4 sec. / 6 sec. / 8 sec.
125 mm.
70 kg./cm³
-
-
-
AC 3 pH 380V ± 5% ,50 Hz.

Ø 125 x 135 mm.
Ø 80 x 40 mm.
80 Liters
5 kg./cm²
1500(L)x 900(W)x 2040(H) mm.
1000 kg.

EF-303VTL

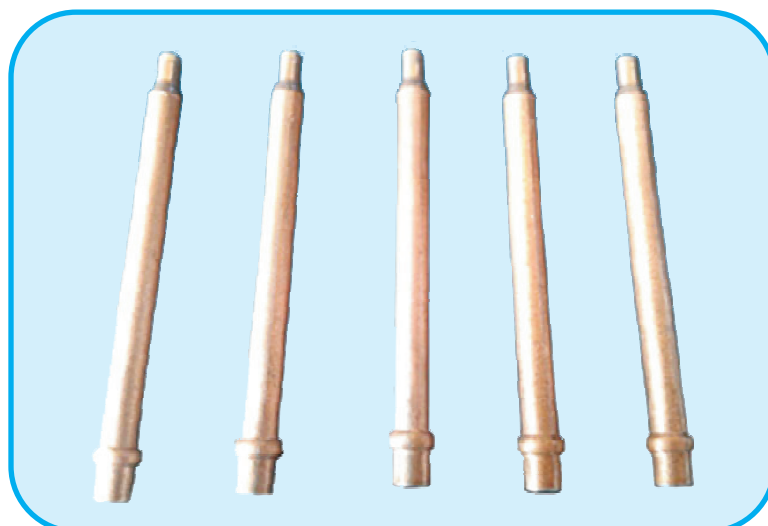
Touch screen panel
Vertical with Auto Loader
3 punches
Ø 4.76 - Ø 19.05 x t 1.5 mm.

4 sec. / 6 sec. / 8 sec.
80 mm.
70 kg./cm³
Gripper with Transferable Type
50-1000 mm.
15.9 mm.
AC 3 pH 380V ± 5% , 50 Hz.

Ø 100 x 80 mm.
Ø 80 x 40 mm.
80 Liters
5 kg. / cm²
2720(L)x 900(W)x 2040(H) mm.
1300 kg.

PIPE END-FORMING DOUBLE PUNCH

MODEL : DEF-303VTL

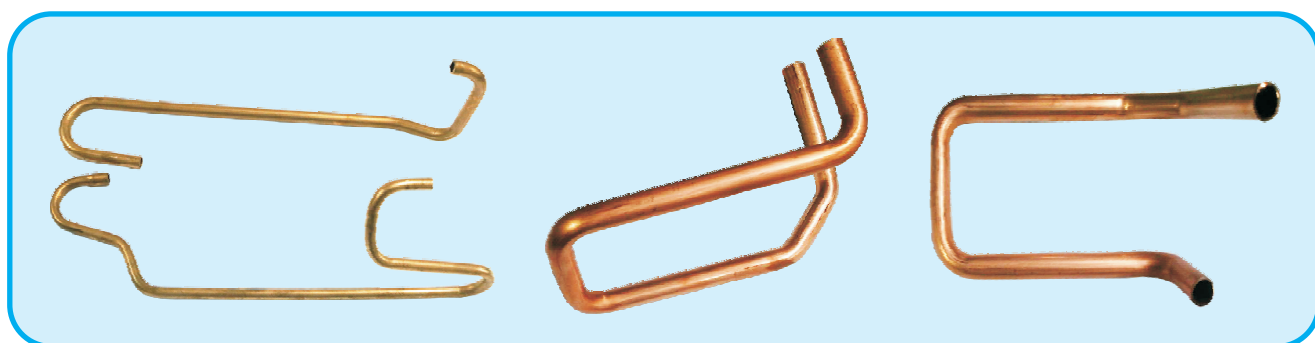


MACHINE SPECIFICATIONS**ITEM / MODEL****DEF-303VTL**

Control Method	PLC & Relay
Clamping Method	Vertical
Punching	2 Punch
Tube Diameter	Ø 4 - Ø 15.88 x t 1.5 mm
Processing Speed	
1punch	4 sec.
2punch	6 sec.
Punch Stroke	80 mm.
Hydraulic Pump	
Type	Piston pump
Max.pressure used	16 MPa.
Delivery	36.9 cm ² / rev.
Motor for pump	5.5 kW.
Size of hydraulic piston	(center diameter x stroke)
Working	Ø 80 x 80
Clamping	Ø 80 x 40
Auto loader system	Pneumatic
Option	Work inspection unit
Power supply	AC 3 phase 380V ± 5% , 50 Hz.
Oil reservoir capacity	No-use
Pneumatic Pressure	5 kg. / cm ²
Machine Dimension	2320(L)x 1150(W)x 2068(H) mm.
Weight	950 kg.

CNC PIPE BENDER

MODEL : SDB-15SV



MACHINE SPECIFICATIONS**ITEM / MODEL****SDB - 15SV**

Control Process	CNC control and touch screen panel
Max. Tube Diameter	15.9 mm. x t 1.0 mm.
Max. Tube Radius	50 mm.
Tube Length	
	Chuck mode : Max.1000 mm.
	Chuck On/Off mode : Unlimited
Bending Radius Difference	30 mm.
Degree of Bend	0-180 Degree
Double Bending Radius	2 Step
Action speed (maximum)	
Bend speed	500 Degree / sec.
Feed speed	1400 mm. / sec.
Plane speed	700 Degree / sec.
Accuracy	
Bend	± 0.02 Degree
Feed	± 0.05 mm.
Plane	± 0.05 Degree
Power Supply	200/220V , 50/60 Hz 3 Phase 5kVA.
Motor	
Bend	AC servo motor 750 watt.
Feed	AC servo motor 400 watt.
Plane	AC servo motor 100 watt.
Hydraulic Unit	Discharge rate 10 liter/min.
	Pressure 35 kg./cm ²
Oil reservoir Capacity	20-25 liters
Air Pressure	4-6 bar
Machine Dimension	1850(L)x 750(W)x 1250(H) mm.
Weight	~ 700 kg.

ROTARY PIPE CUTTING MODEL : SCR-20NC

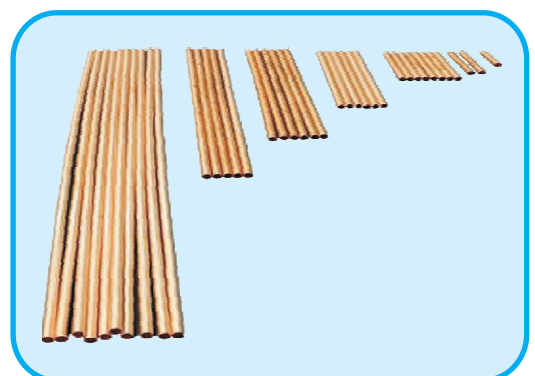


ROTARY PIPE CUTTING MODEL : SCR-20NC-2H

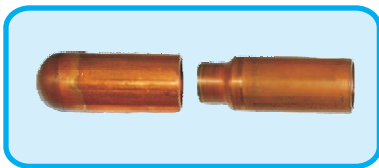


MACHINE SPECIFICATIONS

ITEM / MODEL	SCR-20NC	SCR-20NC-2H
Control Method	PLC Mitsubishi Q-series and touch screen Proface 10.4"	PLC Mitsubishi Q-series and touch screen Proface 10.4"
Cutting system	Spin cutter system (Equipment with a tension device)	Spin cutter system (Equipment with a tension device)
Tube diameter	4-19.05 mm. (Aluminium tube & Copper tube)	4-19.05 mm. (Aluminum tube & Copper tube)
Cutting length	40-6000 mm. (max.)	40-6000 mm. (max.)
Cutting accuracy	± 0.5 mm.	40 - 2000 mm. ± 0.5 mm. 2000 - 6000 mm. ± 1.0 mm.
Cycle time (for reference)	100 mm. 1.5-4.0 sec. 500 mm. 2.0-6.0 sec. 1000 mm. 3.0-5.0 sec. 2000 mm. 5.0-8.0 sec.	100 mm. 1.5-4.0 sec. 500 mm. 2.0-6.0 sec. 1000 mm. 5.0-8.0 sec. 2000 mm. 8.0-12.0 sec.
Pipe feeding system	AC servo motor	AC servo motor Multi length and multi diameter
Motor		
Feed motor	1.5 kW (AC servo motor)	1.5 kW (AC servo motor) (2 unit)
Cutter motor	0.75 kW	0.75 kW (2 unit)
Hydraulic motor	1.5 kW	1.5 kW (2 unit)
Air source		
Pressure	5 kg. / cm ²	5 kg / cm ²
Capacity	300 L / min.	
Hydraulic unit		
Pressure used	25 kg. / cm ²	30 kg / cm ² (2 unit)
Discharge rate	25 L / min.	25L / min
Tank capacity	20 liters	20 liters (2 unit)
Power supply	200AC ,220VAC /380VAC, 3phase,50 / 60 Hz.	200 VAC, 50Hz, 3phase, 7.5 kW
Machine Dimension	3485(L) x700(W)x1215(H) mm.	3560 (L) x 1300 (W) x 1420 (H) mm.
Weight	1200 kg.	1800 kg



PIPE END-CLOSING : EC-353



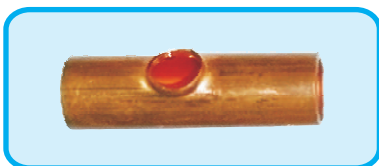
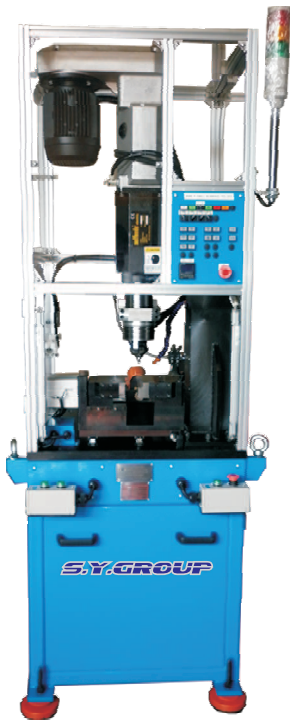
ITEM / MODEL

Control Method
 Punching
 Tube Diameter
 Processing Speed 1 punch
 Punch Stroke
 Spindle Speed(No-load 50Hz)
 Power Supply
 Hydraulic Cylinder
 Clamping
 Hydraulic Pressure
 Pneumatic Pressure
 Machine Dimension
 Weight

EC-353

Touch screen panel
 1 punch / spinning punch
 Ø 4.76 - Ø 22.25 x t 1.5 mm.
 9 sec.
 150 mm.
 3500 rpm.
 AC 3 pH 380V ± 5% , 50Hz
 Ø 80 x 40 mm.
 0.5 MPa.
 5 kg. / cm²
 1200(L)x 950(W)x2040(H)mm.
 750 kg.

T-DRILL BARRING : TD-253



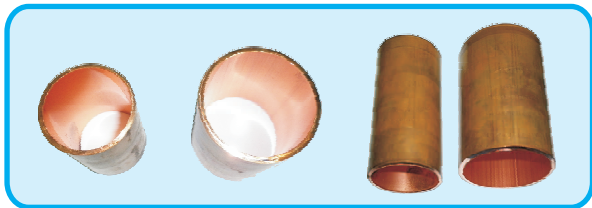
ITEM / MODEL

Control Method
 Punching
 Tube Diameter
 Processing Speed 1 punch
 Punch Stroke
 Spindle Speed (No-load 50Hz)
 Power Supply
 Pneumatic Cylinder
 Punching
 Clamping
 Turret
 Breaking
 Pneumatic Pressure
 Machine Dimension
 Weight

TD-253

PLC and push button switch
 1 Punch
 Ø 12.70 - Ø 32.00 x t 1.5mm.
 9 sec.
 150 mm.
 850 rpm.
 AC 3 pH 380V ± 5% , 50Hz.
 Ø 95 x 150 mm.
 Ø 80 x 45 mm.
 Ø 32 x 200 mm.
 Ø 40 x 20 mm.
 5 kg. / cm²
 925(L)x 850(W)x2150(H) mm.
 700 kg.

STRAIGHT PIPE CUTTER : SC-70RB



ITEM / MODEL

Control Method
 Tube Diameter
 Cutting Length
 Processing Working speed
 Cutting Stroke
 Rotation Speed
 Power Supply
 Pneumatic Cylinder

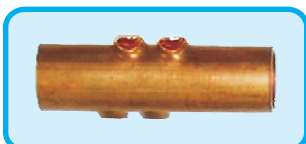
Cutting
 Guide roller
 Stopper
 Shooter

Pneumatic Pressure
 Machine Dimension
 Weight

SC-70RB

Touch screen panel
 Ø22.20 - Ø66.70x t 4mm.
 80 - 800 mm.
 9 sec.
 40 mm.
 150 rpm.
 AC 3 pH 380V ± 5% , 50Hz.
 Ø 63x40 mm.
 Ø 63x40 mm.
 Ø 50x50 mm.
 Ø 63x100 mm.
 5 kg. /cm²
 5700(L)x920(W)x1640(H)mm.
 1500 kg.

PIPE BURRING : RB-193



ITEM / MODEL

Control Method
 Punching
 Tube Diameter
 Processing Speed 1 punch
 Punch Stroke
 Hydraulic Pump
 Power Supply
 Hydraulic Cylinder

Clamping

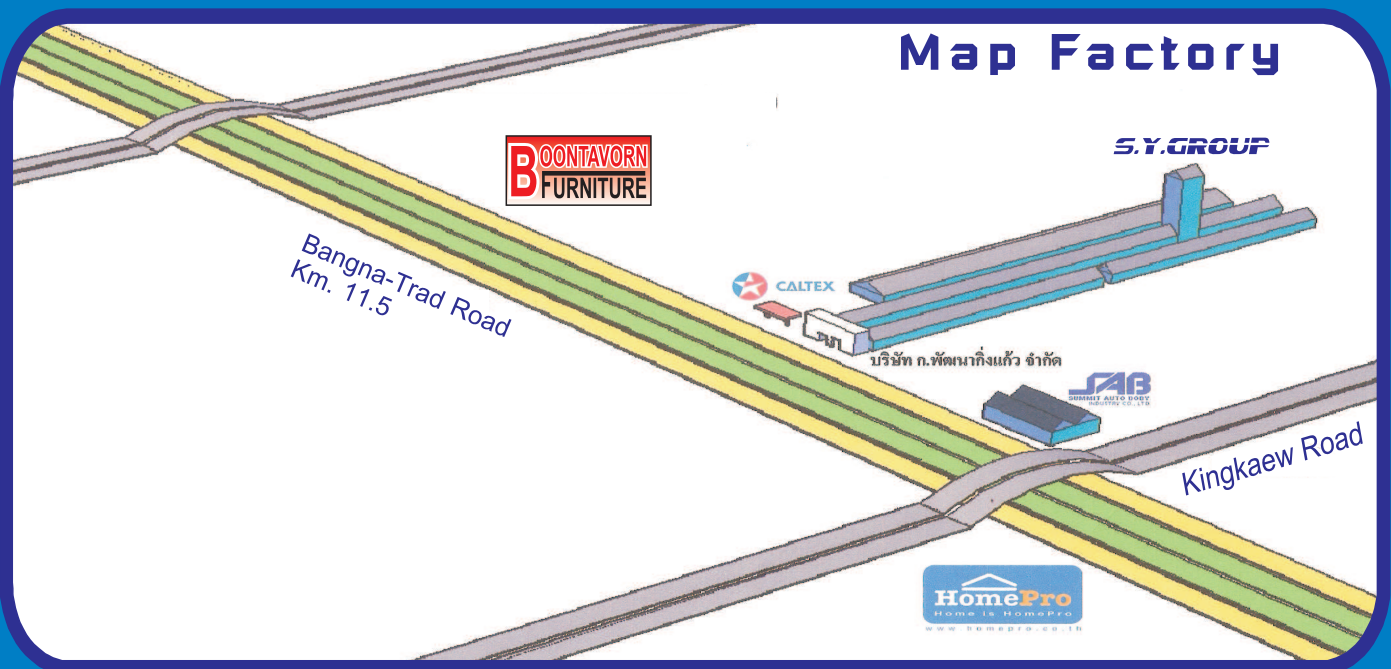
Pneumatic Pressure
 Machine Dimension
 Weight

RB-193

Touch screen panel
 1 punch / spinning punch
 Ø 4.76 - Ø 22.25 x t1.5 mm.
 9 sec.
 150 mm.
 70 kg./cm³
 AC 3 pH 200V ± 5% , 50Hz.
 Ø 32 x 25 mm.
 5 kg. / cm²
 2672(L)x790(W)x1437(H)mm.
 800 kg.

S.Y.GROUP

DESIGN, ENGINEERING & MANUFACTURING OF
CUSTOM-MADE MACHINERY FOR CUSTOMER'S SATISFACTION



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