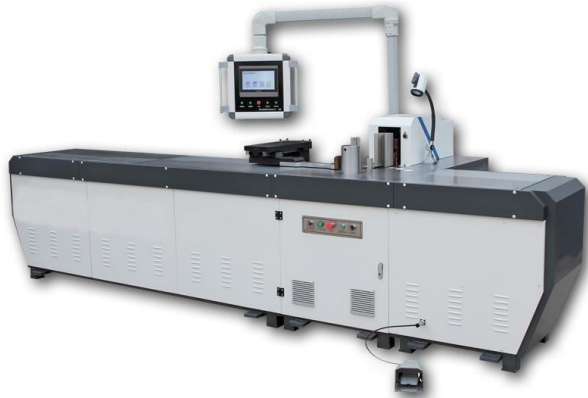


TECHMA360

CUTTING & FORMING MACHINES

BUSBAR PROCESSING MACHINE

Machine Introduction



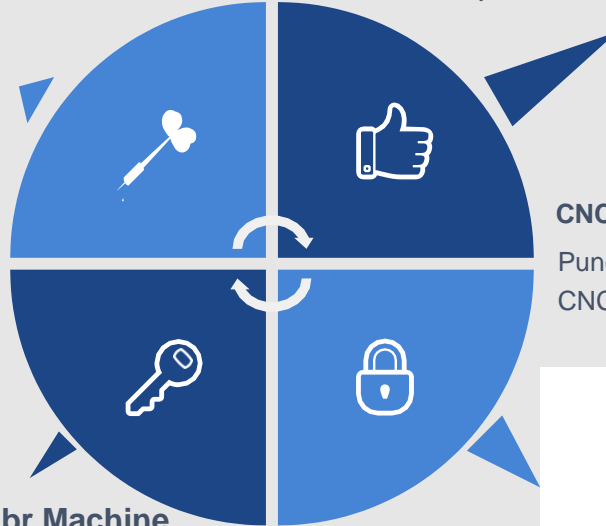
CNC Servo Busbar Bending Machine

CNC Control System
CAD/CAM software system
Servo Motors



CNC Busbar Processing Machine

Bending Punching Cutting (Three in One)
CNC Control system



CNC Busbar Shearing and Cutting Machine

Punching Cutting Functions
CNC Control system



Portable Busbar Machine

Bending Punching Cutting Functions
(Three in One)
Manual Control



Functions & Features of Machine

Bending Section

Controlled By
CNC Control
system

1

2

Bending Functions:

1. Vertical Bending
2. Horizontal Bending
3. U shaped Bending
4. Z shaped bending
5. Twisting Bending
6. Embossing

Touch Screen

Siemens CNC Control
system, Save data, High
Machining accuracy

3

6

Punching Section
Turret
Plate, Coordinate
Positioning, Install 6
sets of Punching
Dies

5

Holes of Punching
dies
We manufacturer
Round, Oval, Square
or irregularly-shaped
holes, etc

4

Cutting Section

No waste, No
burrs, Cutting
Interface Flat



CNC Busbar Processing Machine (Three in One)



Cutting Section

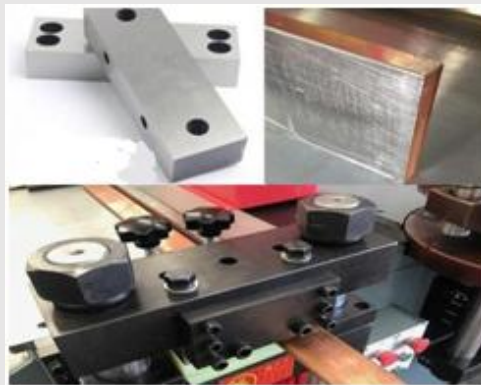
Punching Section



Bending Section

Functions mn	Items	Model		
		TECHMA-30-3NC	TECHMA-50-3NC	TECHMA-80-3NC
Punching section	Max. Punching Force (Kn)	300	500	800
	Punch Diameter Range (mm)	∅ 4.3 - ∅ 25	∅ 4.3 - ∅ 30	∅ 4.3 - ∅ 34
	Max. Thickness (mm)	12	16	20
	Max. Width (mm)	160	250	300
Cutting Section	Max. Shearing Thickness (mm)	12	16	20
	Max. Shearing Width (mm)	160	250	300
Vertical Bending	Max. Bending Force (Kn)	300	500	800
	Max. Width (mm)	160	250	300
	Max. Thickness (mm)	12	16	20
Horizontal Bending	Max. Width (mm)	100	120	120
	Min. Angle (Degree)	90°	90°	90°
Dimension	MM (L x W x H)	1780x1380x1420	1850x1500x1550	1850x1500x1600
Motor Power	Kw	3 x 4Kw	3 x 5.5Kw	3 x 7.5Kw
Weight	KG	1400KG	1950KG	2350KG
CNC Precision	Bending Precision	± 1°	± 1°	± 1°
	Repeat Bending Precision	± 0.2°	± 0.2°	± 0.2°

Manual Busbar Processing Machine (Three in One)

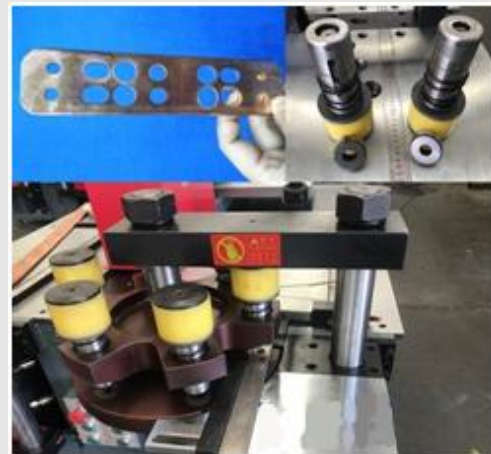


Cutting Section

Punching Section

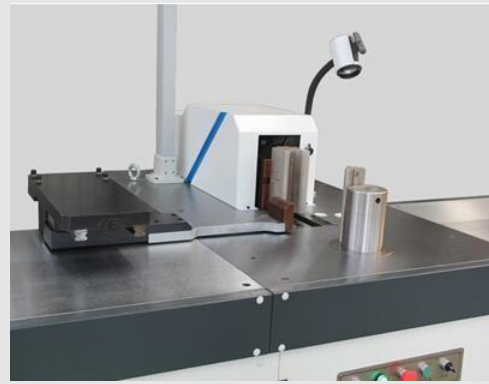


Bending Section



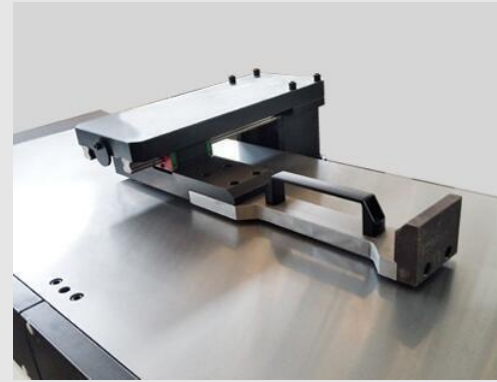
Functions mn	Items	Model	
		TECHMA-30-3M	TECHMA-30-1M
Punching section	Max. Punching Force (Kn)	300	300
	Punch Diameter Range (mm)	∅ 4.3 - ∅ 25	∅ 4.3 - ∅ 25
	Max. Thickness (mm)	12	12
	Max. Width (mm)	160	160
Cutting Section	Max. Shearing Thickness (mm)	12	12
	Max. Shearing Width (mm)	160	160
Vertical Bending	Max. Bending Force (Kn)	300	300
	Max. Width (mm)	160	160
	Max. Thickness (mm)	12	12
Horizontal Bending	Max. Width (mm)	100	100
	Min. Angle (Degree)	90°	90°
Dimension	MM (L x W x H)	1500x1300x1200	1500x1300x1200
Motor Power	Kw	3 x 4Kw	1 x 4Kw
Weight	KG	1150KG	1250KG
CNC Precision	Bending Precision	± 1°	± 1°
	Repeat Bending Precision	± 0.2°	± 0.2°

CNC Busbar Bending Machine



Open type of bending

Adopt CNC Loading Device



Hydraulic two-speed feed



Technical Parameters:

Items	Unit	NC40Z-1200
Nominal force	Kn	400
Motor Power	Kw	5.5
Max size of (Vertical and Horizontal) bending	MM	15x160
Max stroke of X-axis	M/Min	1600/2000
Precision deviation of X-axis		0.10/1000
Max Stroke of hydraulic cylinder	MM	250
Stopper Precision	Degree	± 0.3
Stopper Length	MM	1200
Bending precision	Degree	± 0.1
Outside dimension	MM	3450×1400×1450
Net weight	KG	2300

CNC Busbar Shearing and Punching Machine



Hydraulic cylinder moving device

Punching Molds



CNC Control system

Items	Unit	NC602-8C
Nominal force	KN	600
Max. Processing size	mm	16x200
Punching Processing Range	mm	∅ 4.3- ∅ 35
Max. Amount of Punching Molds		8 sets of Punching Molds & 1 set of Cutting Tool
Max stroke of X-axis	mm	2000
X-axis Position Speed	m/min	75m/min
Max stroke of Y-axis	mm	960
Y-axis Position Speed	m/min	35m/min
Max stroke of Z-axis	mm	310
Z-axis Position Speed	m/min	35m/min
Punching Accuracy	mm	±0.2
Position Accuracy	mm	0.10/500mm
Blow Speed	120 times/Min	150 Times/Min
Amount of CNC Axis	4 Axis	6 Axis
Outside Dimension	mm	10500x2900x1800

Compact Busbar Processing Machine (Three in One)



Punching Section

Cutting Section



Bending Section



Items	Model	
	TECHMA-30-1A	TECHMA-30-1B
Cutting Range	Copper/Aluminum width <150mm; Thickness <10mm	Copper/Aluminum width <200mm; Thickness <12mm
Bending Range	Copper/Aluminum width <150mm; Thickness <10mm	Copper/Aluminum width <200mm; Thickness <12mm
Punching Range	Copper/Aluminum width <150mm; Thickness <10mm	Copper/Aluminum width <200mm; Thickness <12mm
Rate oil Pressure	700Kgf/cm10000Psi	
Working Table Size (L x W xH) mm	700x700x1000mm	730x900x1150mm
Distance from hole center to edge	110mm	
Standard Size of Punching Molds	∅ 7 , ∅ 9 , ∅ 10.5 , ∅ 13.8 , ∅ 17 , ∅ 20.5 (mm)	
Working Voltage	220V/380V	
Weight	170KG	195KG

Punching Molds of Busbar Processing Machine

