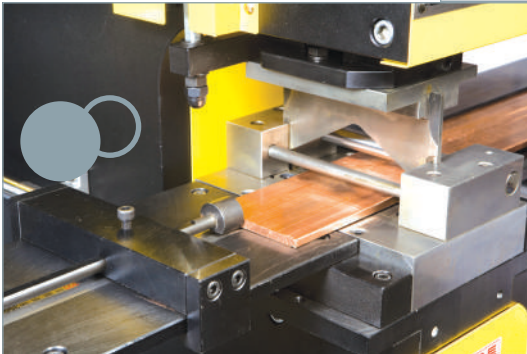
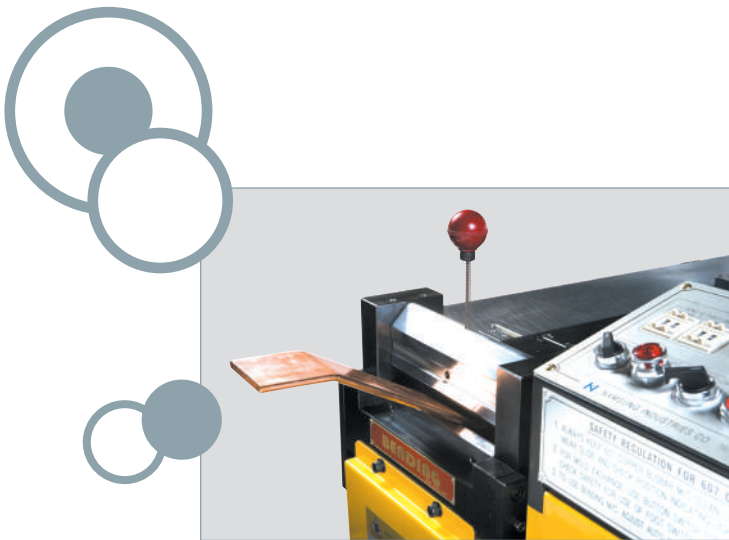


Busbar Fabrication System

Toward the Future



Toward the Future & the Namsung Electrical



Busbar punching, bending, and cutting at the same time



Busbar Processing Machine
Punching on the Panel Sheet
Portable Busbar Processing



14-5, Dodang-dong, Wonmi-gu, Bucheon City, Kyongki-Do, Korea.
TEL : +82-32-676-9720 FAX : +82-32-676-9721 Moble : 0082-10-7108-9720
Home Page : www.nsbco.com E-mail : nsb606@gmail.com / nsb606@korea.com





For World Wide Market

Contents

- Busbar Fabrication System.
- Panel Punching System.
- Complex System.
- Portable System.
- Compact system.



NAMSUNG INDUSTRIES CO. is the manufacturer of multi functional Busbar processing machine with unlimited potential power

Gentlemen

I would like to express my gratitude in sincerity to our customers' continuous cooperation and concern since the establishment of NamSung Industrial Co. in 1976.


We have steadily launched the products to satisfy users' requirement such as NSB-606 Multi-Processing Machine for Busbar, NSB-707 Panel Punching Machine, NSB-603 Multi-Processing for Switchgear Busbar and NSB-601 Compact Multi-Processing Machine for domestic market, and exported to all over the world since 1995.

After acquiring patent in several cases by developing epoch-making NSB-505 Portable Busbar Processing machine in 2006, we had exported the product to South America, Europe, the Middle East, India, and South-West Asia and had good reputation from buyers. In 2007, we developed new product NSB-607 Max. Busbar Processing Machine and got a foothold for the second takeoff by developing and launching new models that improve production capability for all the existing products.


We will make effort to be a company to research and develop with customers at all times and expect your advice and guide for us in the future.

Thank you.


President Lee Jong-sung



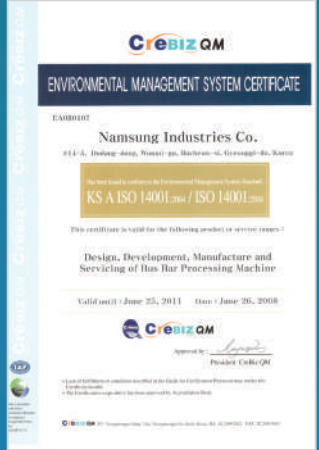
CE Certification




ISO 9001




ISO 14001







NSB-606A




NSB-607A




NSB-601A



NSB-505



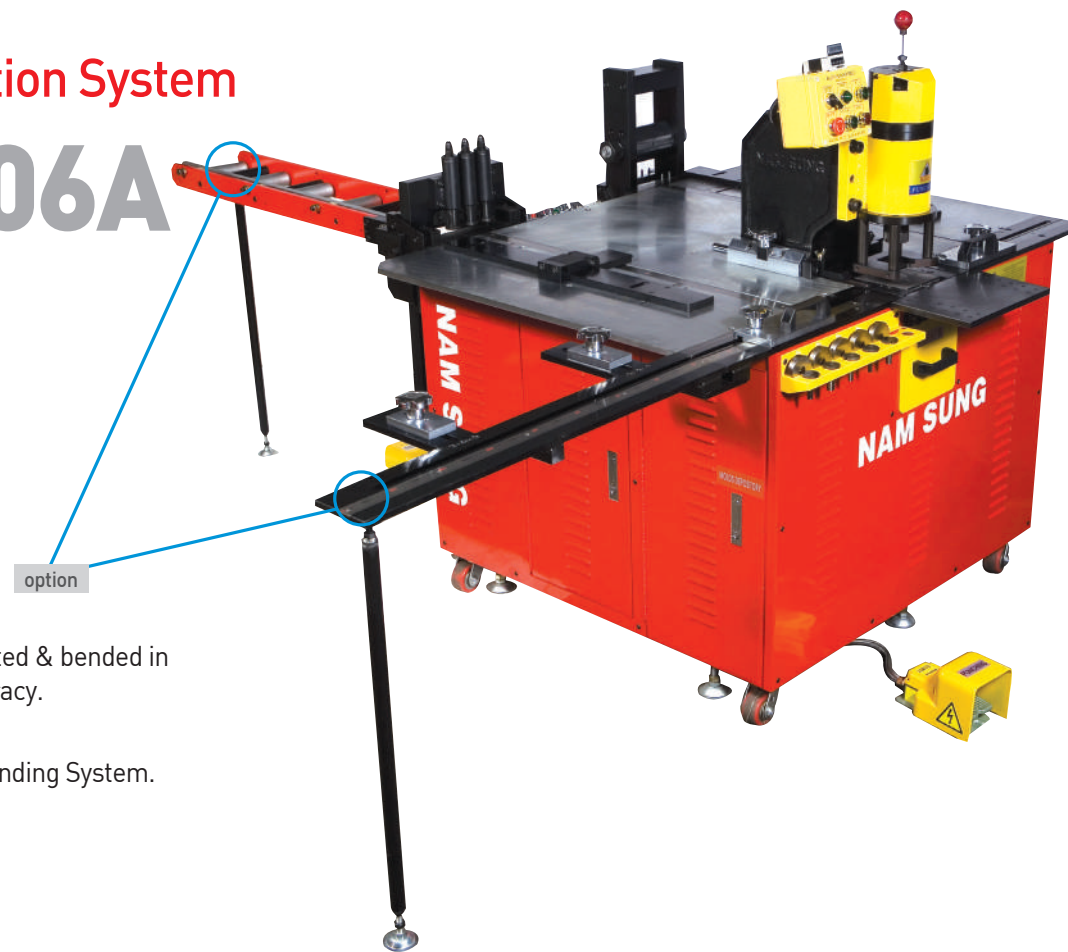
NSB-603



NSB-707

Busbar Fabrication System

NSB-606A



- Busbar can be punched, cutted & bended in one machine with high accuracy.
- Newly improved in 2010
- Equipped with Automatic Bending System.

Specification

Size	Width : 1350mm, Length : 1250mm Height : 1420mm
Power	380V, 415V / 3 Phase.
Motor	5HP / 50hz, 60hz / Single Motor (3 Motors Available)
Busbar Cutting and Bending	150mm × 15mm
Busbar Punching	3.4Ø ~ 25Ø

1 Automatic Bending system

1. This system bends the required angel by inputing the digits of thickness and required angle of Busbar.
2. It will automatically bend the busbar and return back to its original position without any additional operation.

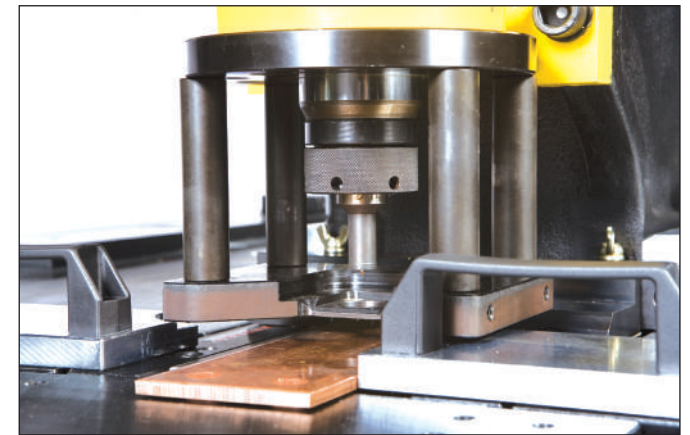
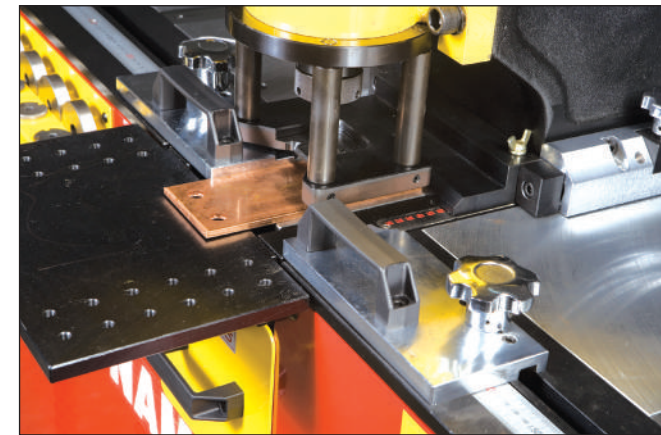


2 Cutting System(Shearing type)

1. This Shearing system do not make the wastage.
2. Cutting up to 150mm × 15mm
3. Cut very rapidly and efficiency.



3 Punching System Using the Vertical Ruler Bar and Horizontal Ruler Bar, you could punch every place on the busbar very rapidly and accurately. This system reduce the punching time 3 times faster compare than the existing model.



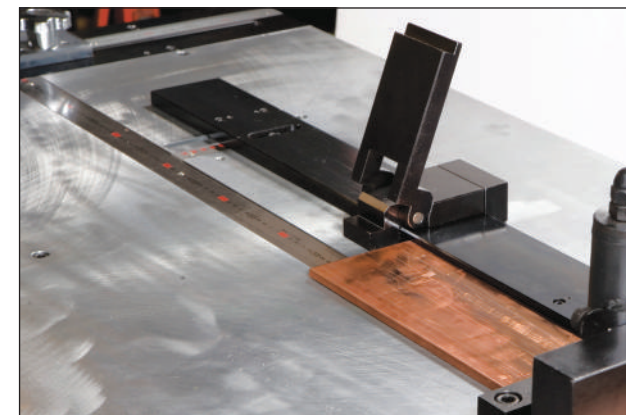
4 Useful utilities



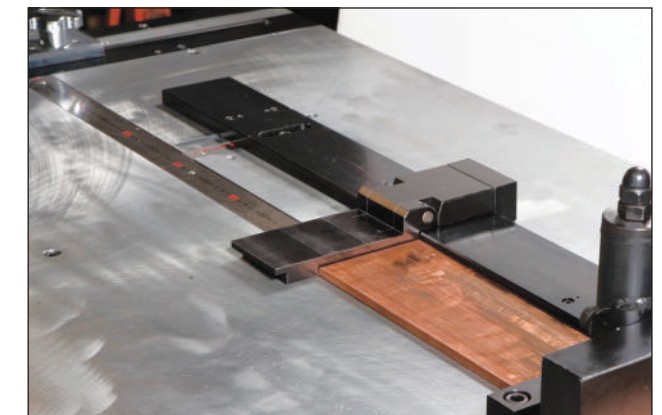
- Sensor for Bending Angle Fixture. After the bending processing you will be acquired all the same Angle degree.



- Molds Shelf : You can safely keep the punches and Dies.



- Convenient Stop Bar System
The end of stop bar could pop up to easily pull out the Busbar after cutting and bending.



Busbar Fabrication System

NSB-607A



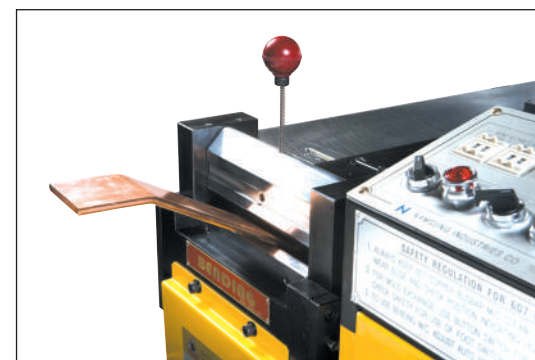
- Busbar can be punched, cutted & bended in one machine with high accuracy.
- Newly improved in 2010
- Equipped with Automatic Bending System.

Specification

Size	Width : 1750mm, Length : 1600mm, Height : 1420mm
Weight	1,250kgs.
Power	3 Motors (7.5HP, 7.5HP, 5HP). 380V, 415V/50Hz, 60Hz, 3-Phase.
Motor	220mm × 15mm
Busbar Cutting and Bending	220mm × 15mm
Busbar Punching	3.4Ø ~ 25Ø

1 Automatic Bending system

1. This system bends the required angel by inputting the digits of thickness and required angle of Busbar.
2. It will automatically bend the busbar and return back to its original position without any additional operation.

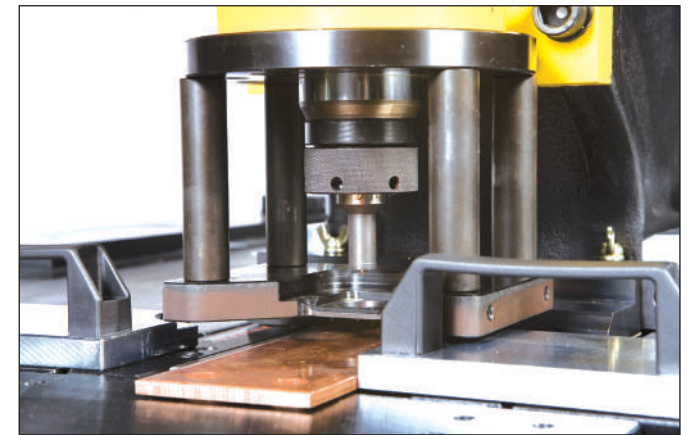
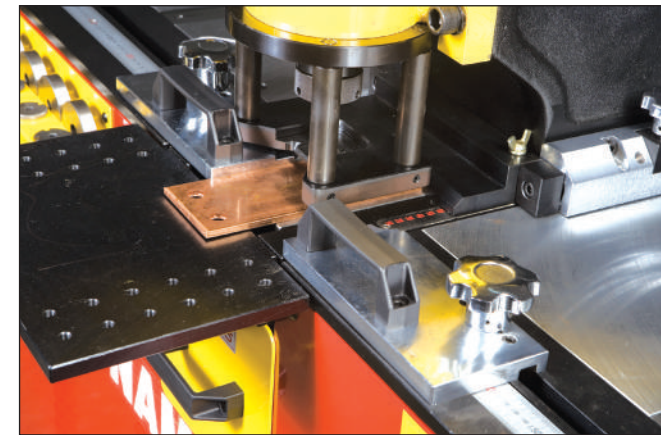


2 Cutting System(Shearing type)

1. This Shearing system do not make the wastage.
2. Cutting up to 220mm × 15mm
3. Cut very rapidly and efficiency.



- ### 3 Punching System
- Using the Vertical Ruler Bar and Horizontal Ruler Bar, you could punch every place on the busbar very rapidly and accurately. This system reduce the punching time 3 times faster compare than the existing model.



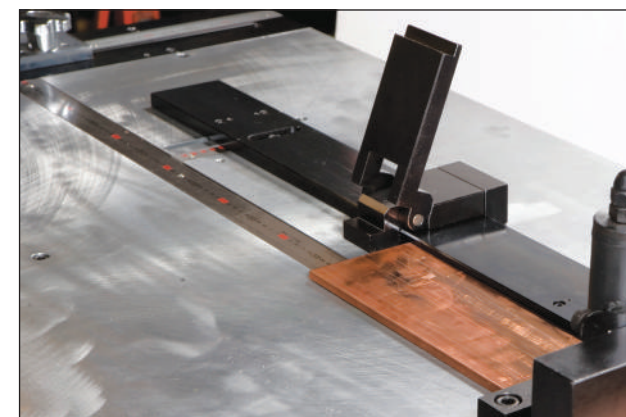
4 Useful utilities



- Sensor for Bending Angle Fixture. After the bending processing you will be acquired all the same Angle degree.



- Molds Shelf : You can safely keep the punches and Dies.



- Convenient Stop Bar System
The end of stop bar could pop up to easily pull out the Busbar after cutting and bending.



Complex System

NSB-601A

Compact Multi Processing Machine for Busbar and Panel Punching.

- Newly improved model in 2010.
- Complex System, Busbar Processing and Panel Punching in one unit.
- Newly equipped with Automatic Bending System.

Specification

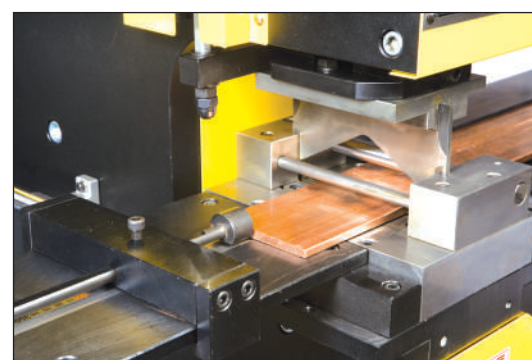
Size	Width : 1350mm, Length : 1200mm Height : 1550mm
Power	380V, 415V / 3 Phase.
Motor	5HP / 50hz, 60hz / Single Motor (3 Motors Available)
Busbar Cutting and Bending	150mm × 12mm
Busbar Punching	3.4Ø ~ 25Ø
Panel Round Hole Punching	9Ø ~ 100.5Ø
Steel Sheet Thickness	3mm

1 Automatic Busbar Bending System

1. This system bends the required angel by inputting the digits of thickness and required angle of Busbar.
2. It will automatically bend the busbar and return back to its original position without any additional operation.

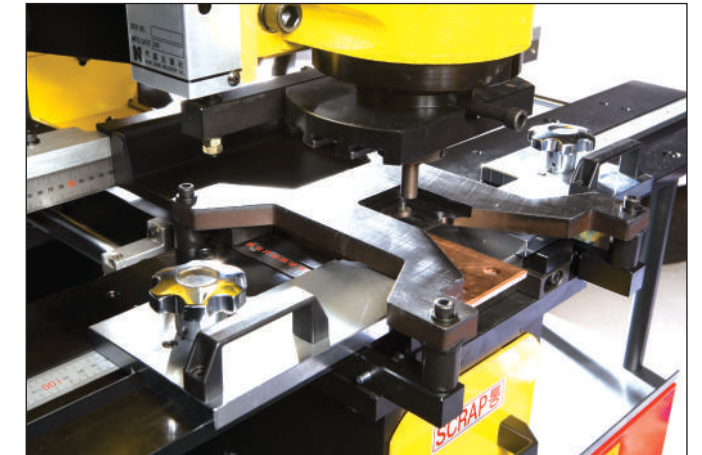
2 Innovative Busbar Cutting System

There are two type of cutting system. One is Shearing type and the other is Notching type. You could choose the cutting system between them



3 Busbar Punching System

Using the Vertical Ruler Bar and Horizontal Ruler Bar, you could punch every place on the busbar very rapidly and accurately. This system reduce the punching time 3 times faster compare than the existing model.

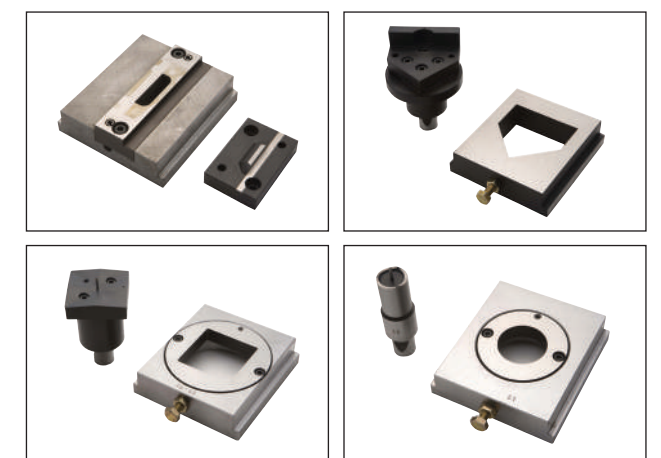


4 Panel Punching System

By replacing panel punching mold with the cutting mold, you could punch on the panel sheet in various kinds of hole.



Item	Diameter	Width	Length
Round Hole	26, 31		
Rectangula Hole		100	100.5
Louver		15	50
		15	80
Push	21	23	96
	30	19	67
Key Handle			
Corner		90	90



Complex System

NSB-505

Portable Busbar Machine

- Busbar can be punched, cutted & bended in one machine with high mobility.
- Portable Machine in terms of operator convenience, Can be separated three division. Main Working body, Motor and Table.
- Lightning-Swift tool changes in a shortest time.

Specification

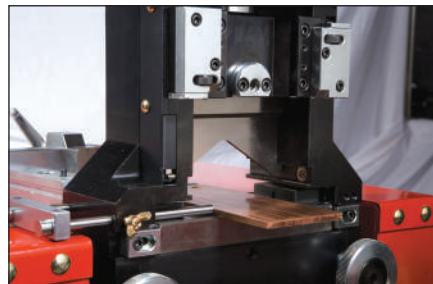
Size	Width : 770mm, Length : 720mm, Height : 1330mm
Weight	140kgs.
Power	220Voltage Single Phase.
Motor	1HP, 950rpm/60hz, 50hz/250bar
Cutting & Bending	10mm × 120mm
Punching	3.4Ø ~ 18Ø

1 Portable

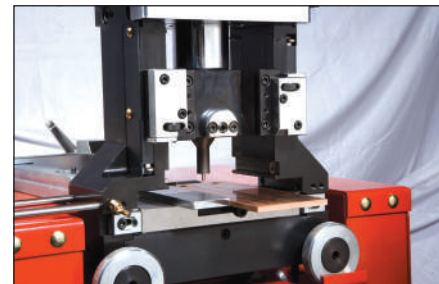
The Main Body and Motor could be separated from the Working Table. Just carry main body and motor to the working site, and using single phase electric power.



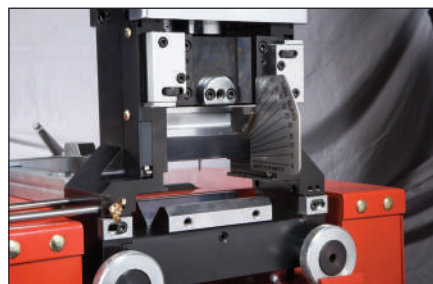
2 Cutting



3 Punching



4 Bending



4 Punching Jig



Complex System

NSB-506

Compact Busbar Machine

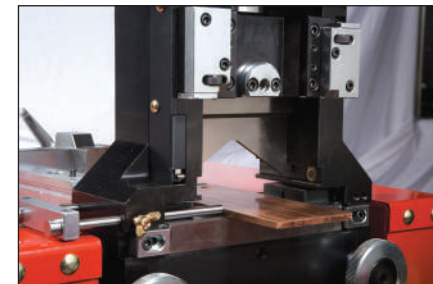
- Busbar unit with compact design in smaller size
- Design in low pressure type
- Reasonable price
- Minimization of necessary installation space
- Used for factory only (NBS-505 is different) [Separation-not-allowed type]
- Max. capacity T12×W120mm
- Busbar processing function is the same as 505

Specification

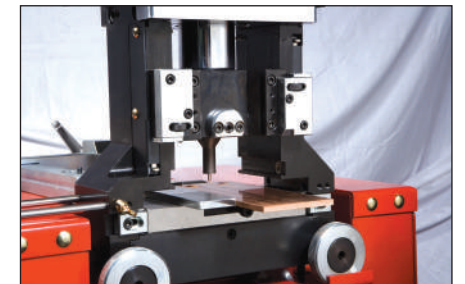
Size	Width : 770mm, Length : 720mm Height : 1200mm
Power	380V, 415V / 3 Phase.
Motor	3HP, 1760rpm / 50hz, 60hz
Hydraulic Pump	6.3 Liter Revolution.
Hydraulic Oil	ISO VG 68
Oil Reservoir	36 Liter
Max Power Consumption	2.2 Kw
Cutting & Bending	12mm × 120mm
Punching	3.4Ø ~ 18Ø



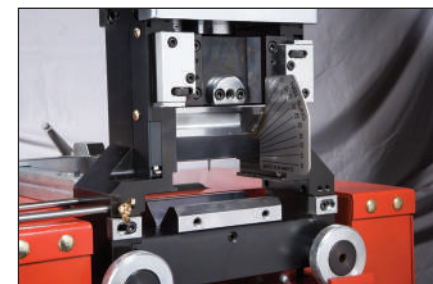
2 Cutting



3 Punching



4 Bending



4 Punching Jig



Complex System

NSB-603

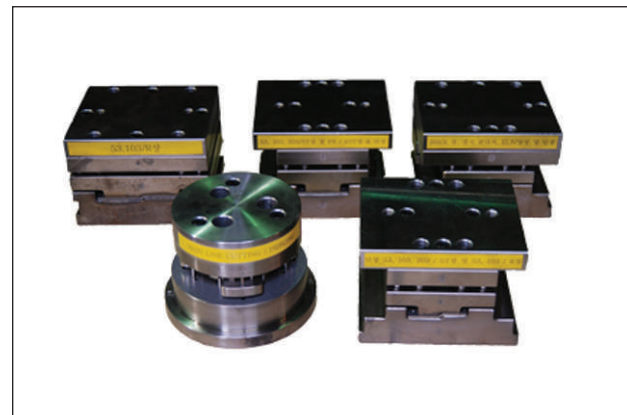
Panel Board Processing Machine

- NBS-603 is a processing machine for the panel board bus bar RST phase main ground wire.
- No failure in die because of a special safety device
- Easy storage because of the die box to prevent damage and loss of die
- The processing work is accurate and 10 times faster than that of the previous work method because the NBS-603 RST main ground wire is processed once.

External Dimension	W700mm × D700 × H1400
Motor	3HP(2.25Kw) – 4P 220 / 380V 50Hz, 60Hz 1740rpm / 60Hz, 1430Rpm / 50Hz
Applicable Size of Bus Bar	T5 x W20 For MCCB rated in 150~200A For MCCB rated in 75~100A For MCCB rated in 30~50A For BKM & BFFor ELB & 32GR



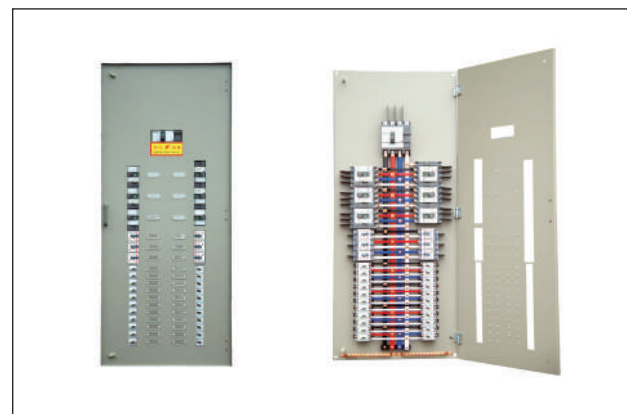
1 Five sets of panel board die



2 Bus Bar Sample



3 Panel Board Sample



Panel Punching Machine

NSB-707

You can make a various kinds of holes on the Panel Sheet.
For Mass production.
Easy to change between each molds.
Equipped with X & Y direction adjustors for continuous work.

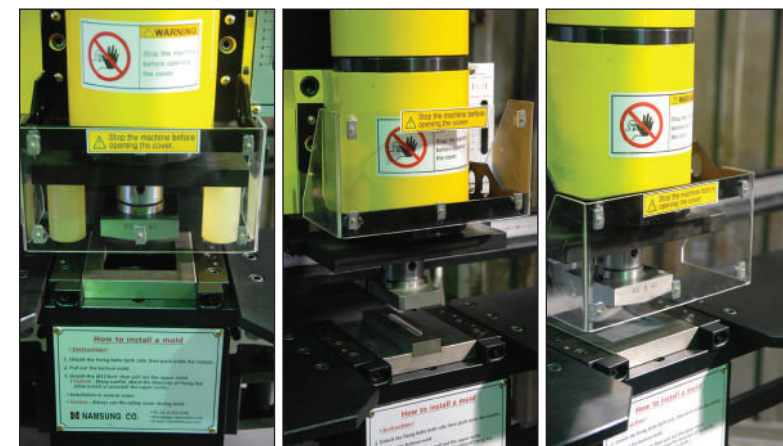
Specification

Motors	5 HP, 6-Phase.
Steel	6T × 1210mm × 2400mm
SUS	3.0T × 1210mm × 2400mm
Max. Dia.	115mm
Max. Square	115mm × 115mm
N'Weight	1,300kgs



Panel Punching System

By replacing panel punching mold with the cutting mold, you could punch on the panel sheet in various kinds of hole.



Item	Diameter	Width	Length
Round Hole	26, 31		
Rectangula Hole		100	100.5
Louver		15	50
		15	80
Push	21	23	96
	30	19	67
Key Handle			
Corner		90	90



Accessories And Tools

Common in NSB-601A, NSB-606A, NSB-607

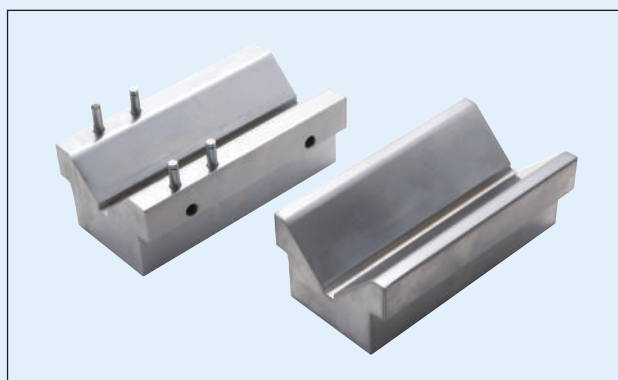
1. Busbar Round Hole Punch And Die / 4sets
2. Busbar Oblong Hole Punch and Die / 3sets



3. Punch and Die for Panel Sheet (Only for NSB-601A and NSB-707) / 4sets

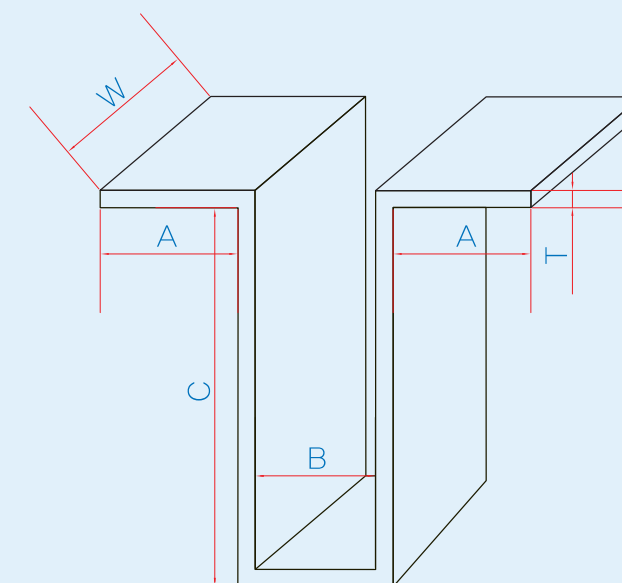


4. Busbar Bending Mold / 2sets (T10, T15)

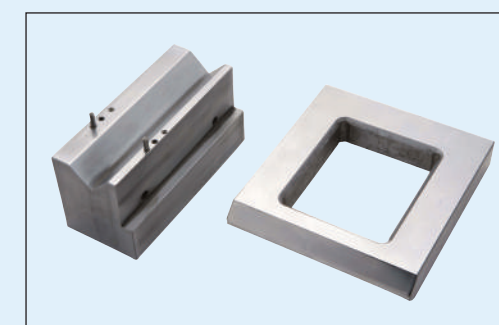


5. Machinery Tool Box / 1ea

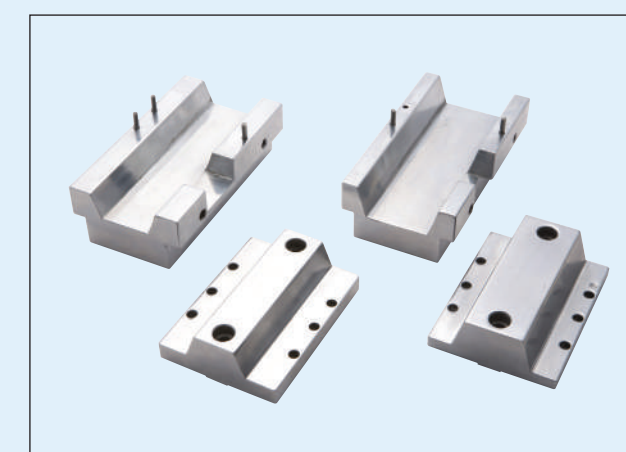
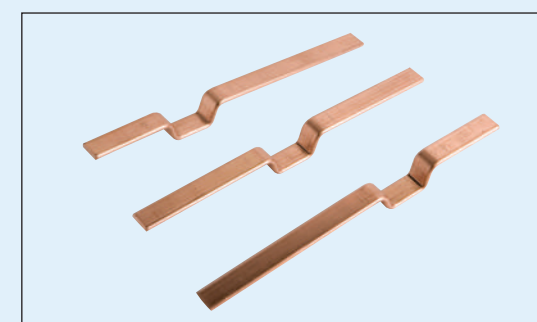
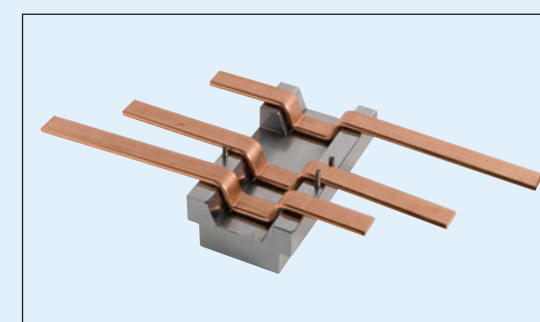
2. Special Bending Mold for shortening bending distance.(Optional)



by mm	Thickness	Width	A	B	C
Maximum	8	100			110
Minum	3	15	20	35	30



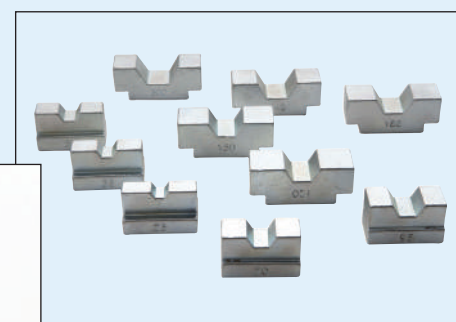
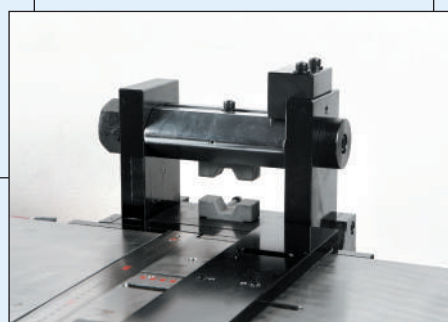
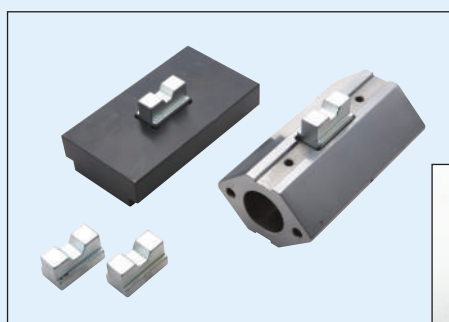
3. 203 403 Busbar Forming Block for Switchgear Box.(Optional)



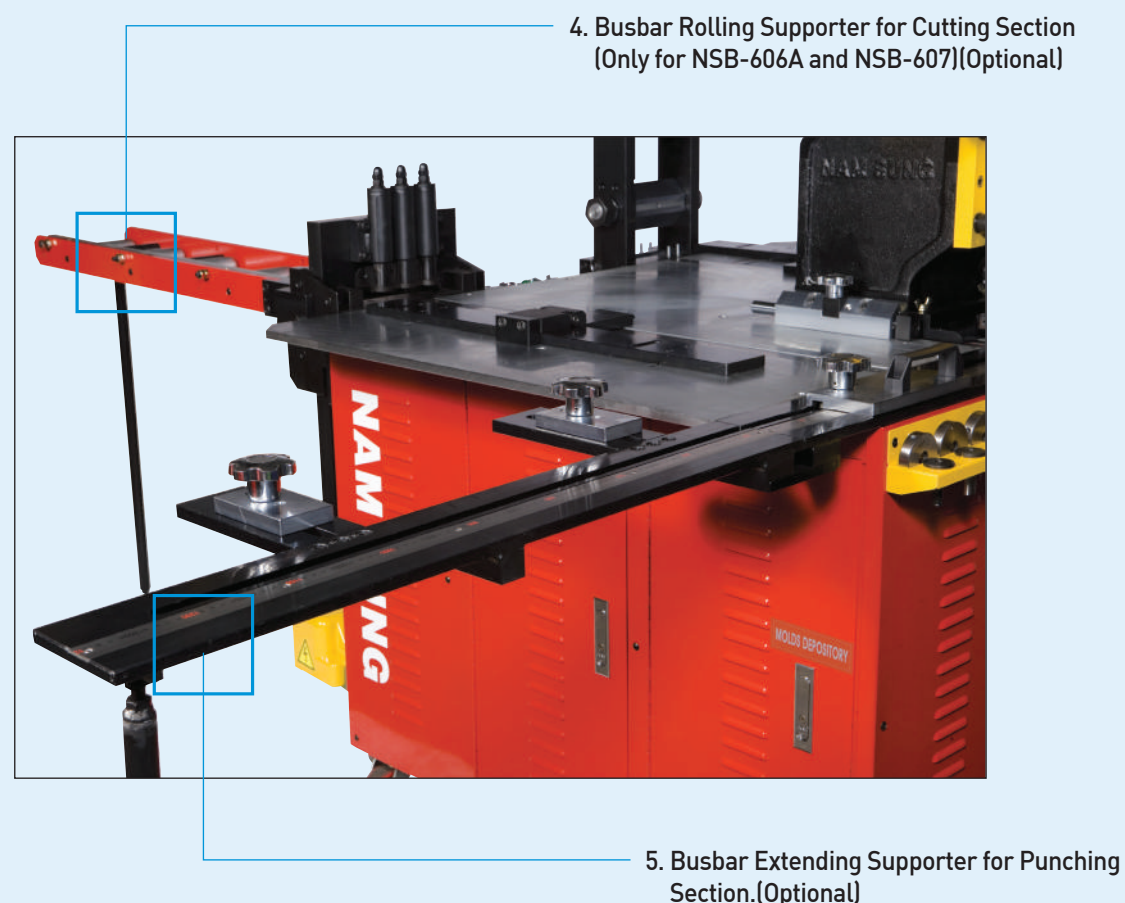
Optional Accessories

Common in NSB-601A, NSB-606A, NSB-607

1. Terminal Clamping Tools / 10sets(Optional)
(25, 35, 50, 70, 95, 120, 150, 185, 240, 300mm²)



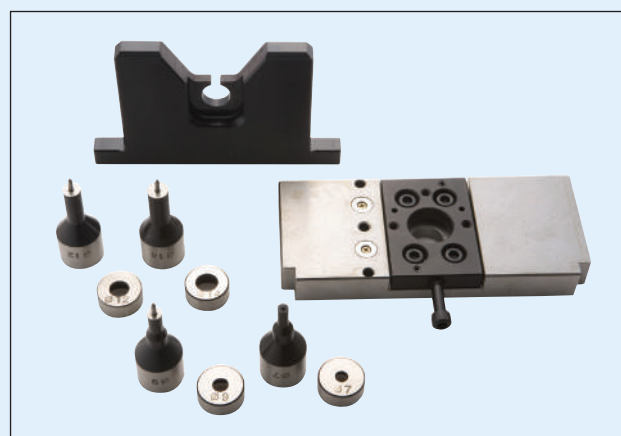
Accessories And Tools



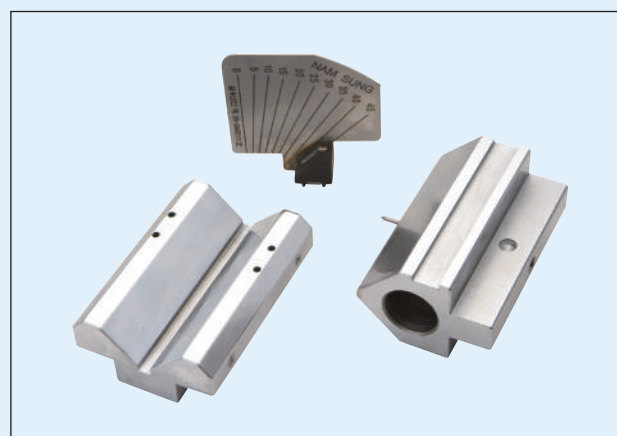
Common in NSB-505 and NSB-506

Standard Accessories

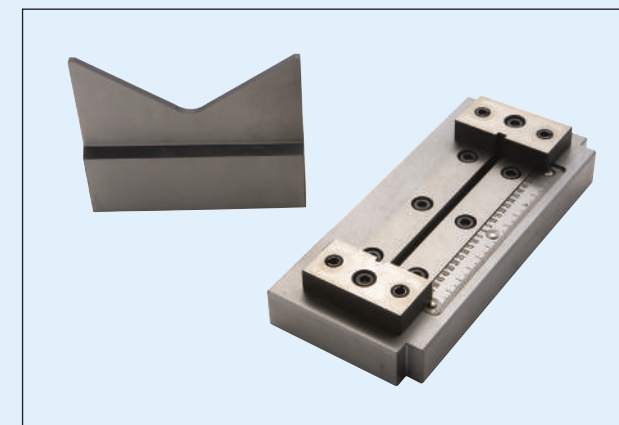
1. Busbar Round Hole Punch And Die / 4sets



2. Busbar Bending Mold / 1sets



3. Busbar Cutting Mold / 1sets

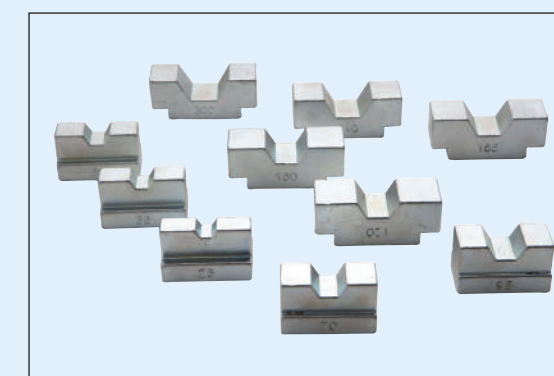
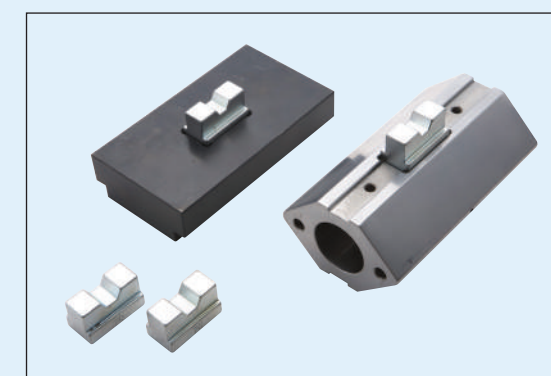


4. Punching Jig



Optional Accessories

1. Terminal Clamping Tools(Optional)



2. 203 403 Busbar Forming Block.(Optional)

