

SOLUTION

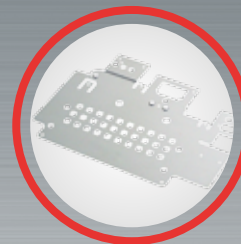
PUNCHING



EMMI SERIES



NEXT GENERATION SERVO ELECTRIC PUNCH MACHINE



AMADA

EM NT SERIES

NEXT GENERATION SERVO ELECTRIC PUNCH MACHINE

FURTHER EVOLUTION OF THE EM NT SERIES: SETUP TIME REDUCTION AND PROCESS INTEGRATION

AC SERVO DIRECT TWIN DRIVE AND PROCESS INTEGRATION

New technologies have been added to the EM-NT series utilising the world's unparalleled AC servo direct twin drive system. The result is faster, more productive, and higher-grade sheet metal processing.

ID tooling and MPT tapping tool options can also drastically reduce setup time and achieve blanking process integration.



Photograph may include optional equipment

NEWS FEATURES OF EM MII SERIES

1 REDUCTION OF TOOL SETUP TIME

Z/KING TURRET

With the Z turret using upper and lower disks of different diameters, dies can easily be changed from the top of the lower disk, therefore reducing setup time.



The Ø 1200 King turret can accommodate a large range of tools to reduce the number of tool setups required.

2 PREVENTION OF TOOL INSTALLATION MISTAKES

ID TOOLS

Tool installation mistakes are prevented by digital tool management using QR code technology.

Combining ID tools with the EM MII helps to achieve stable tool conditions and improve part quality.



OPTION

3 HIGH SPEED AND HIGH PRODUCTIVITY

MPT TAPPING TOOLS AND DEDICATED TAPPING STATIONS

Dedicated MPT tapping stations are installed in the turret. Holes can be punched and tapped in the same area. This means that workpieces can be punched and tapped without repositioning. The processing time and program time can be reduced as a result.

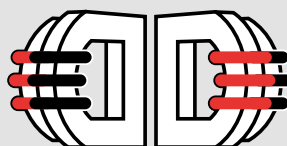
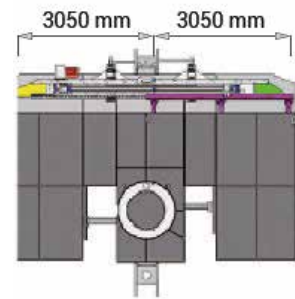


OPTION

4 PROCESSING RANGE OF EXPANSION

PUNCHING OF 5' BY 10' SHEETS WITHOUT REPOSITIONING

An X-axis travel distance of 3050 mm (EMZ-3612 MII and EMK-3612 MII) allows 5' by 10' sheets to be punched without repositioning. This helps to achieve fast and stable processing and to reduce complicated programming tasks.



AC Servo direct twin drive

DIMENSIONS

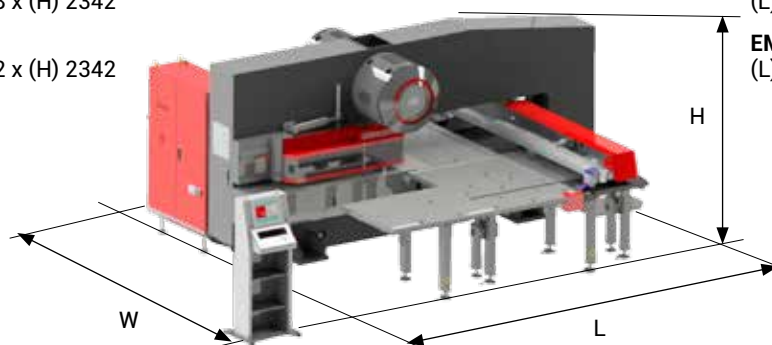
Unit : mm

EMZ-3510 MII
(L) 4998 x (W) 5128 x (H) 2342

EMZ-3612 MII
(L) 5436 x (W) 6212 x (H) 2342

EMK-3510 MII
(L) 4998 x (W) 5128 x (H) 2342

EMK-3612 MII
(L) 5436 x (W) 6212 x (H) 2342



MACHINE SPECIFICATIONS

EM MII Series			EMZ-3510 MII	EMZ-3612 MII	EMK-3510 MII	EMK-3612 MII
Numerical control			AMNC-F			
Punching force		kN	300			
Drive system			AC servo, direct twin drive			
Turret	Number of stations					
Controlled axes			X, Y, C, T + A			
Axis travel distance	X x Y	mm	2500 x 1270	3050 x 1525	2500 x 1270	3050 x 1525
Maximum simultaneous feed rate	X/Y	m/min	144	128	144	128
Maximum punching hit rate	5mm stroke / 25.4 pitch	hpm	500 (X)			
Positioning accuracy		mm	± 0.1			
Work range without reposition		mm				
Maximum sheet thickness		mm	4.5			
Maximum material mass		kg	50 (F1) / 150 (F4)			
Work chute size		mm				
Machine mass		kg	19000	21000	19500	21500

Specifications, appearance, and equipment are subject to change without notice by reason of improvement.



For Your Safe Use

Be sure to read the operator's manual carefully before use.

When using this product, appropriate personal protection equipment must be used.

The official model name of the machines and units described in this catalogue are non-hyphenated like EMZ3612 MII. Use this registered model names when you contact the authorities for applying for installation, exporting, or financing.

The hyphenated spellings like EMZ-3612 MII are used in some portions of the catalogue for sake of readability. This also applies to other machines.

Hazard prevention measures are removed in the photos used in this catalogue.

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