

# SOLUTION

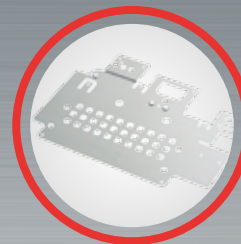
PUNCHING



## EM MT 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

# NEW 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 a Barcode 2D (Data Matrix 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.

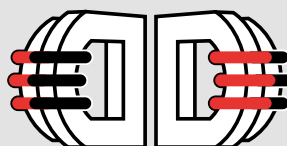
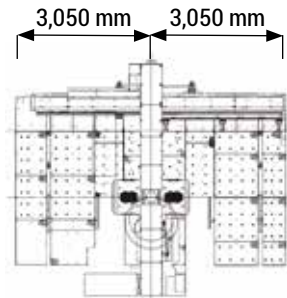


OPTION

## 4 PROCESSING RANGE OF EXPANSION

### PUNCHING OF 5' BY 10' SHEETS WITHOUT REPOSITIONING

An X-axis travel distance of 3050 mm (EMZ-3612MII and EMK-3612MII) 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 \*

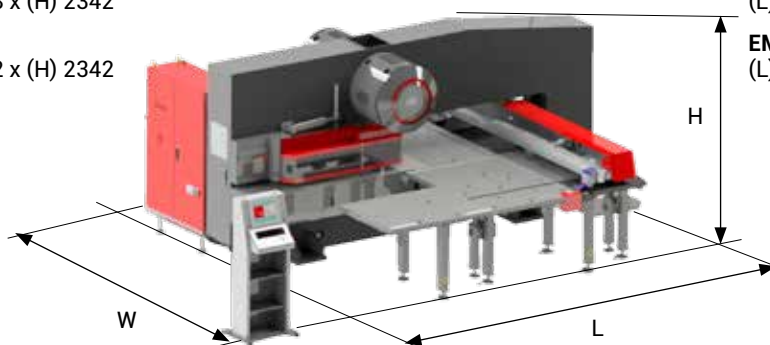
Unit : mm

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

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

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

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



\* Without safety equipments

## MACHINE SPECIFICATIONS

EM-MII Series			EMZ-3510MII	EMZ-3612MII	EMK-3510MII	EMK-3612MII
Numerical control			AMNC 3i			
Punching force		kN	300			
Drive system			AC servo, direct twin drive			
Turret	Number of stations		45 (4 Auto Index)		58 (4 Auto Index)	
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	5 mm stroke / 25.4 mm pitch	hpm	500 (X)			
Positioning accuracy		mm	± 0.1			
Work range without reposition		mm	2500 x 1270	3050 x 1525	2500 x 1270	3050 x 1525
Maximum sheet thickness		mm	4.5			
Maximum material mass		kg	50 (F1) / 150 (F4)			
Work chute size		mm	300 x 300 (option - not retrofittable)			
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-3612MII 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.

### AMADA UK LTD.

Spennells Valley Road,  
Kidderminster,  
Worcestershire DY10 1XS  
United Kingdom  
Tel: +44 (0)1562 749500  
Fax: +44 (0)1562 749510  
www.amada.co.uk

### AMADA SA

Paris Nord II  
96, avenue de la Pyramide  
93290 Tremblay en France  
France  
Tél : +33 (0)1 49 90 30 00  
Fax : +33 (0)1 49 90 31 99  
www.amada.fr

### AMADA GmbH

Amada Allee 1  
42781 Haan  
Germany  
Tel: +49 (0)2104 2126-0  
Fax: +49 (0)2104 2126-999  
www.amada.de

### AMADA ITALIA S.r.l.

Via Amada I., 1/3  
29010 Pontenure  
(Piacenza)  
Italia  
Tel: +39 (0)523 872111  
Fax: +39 (0)523 872101  
www.amada.it

