

MX Loop Winding Machines

<http://www.whitelegg.com/products/electric-motor/high-voltage-coil-manufacturing/mx-loop-winding-machines>

The most versatile, operator friendly and cost effective solution for coil or pole winding applications. MX machines have been specifically designed and built for the quick and precise winding of copper bars or wire up to 3000 mm long.

Main features

- Heavy duty steel framework with standard wire line height of the arm of 1200mm, but with possibility of changing this parameter as well as the winding arm length in order to make equipment suitable to individual applications.

- System for wire breaking and constant tensioning by means of:

- Main reel-holder equipped with fixed braking unit

- Tilting tensioning system

- Control of the reel position by means of an encoder allowing varying reel rotation speed, in order to unroll the wire at a constant speed and tension

- Easy and precise wire positioning on the reel by means of a hand wheel with trapezoidal screw. The operator precisely guides the wire and obtains a final outcome that is comparable to the ones obtained with more automatic winding equipment

- Possibility of mounting a pneumatic cutter in order to facilitate the cutting and repositioning of the coil to be formed

- Optional Reel-holder equipped with max 8 reel-holders with pneumatically adjustable brakes for the pre-tensioning of the copper bar during the working phase; it is also equipped with an electro valve for the copper bar release during the loading phase

- The setting of all programs and parameters is carried out by means of a Touch Screen Operator Panel, interfaced to a PLC that manages the whole system

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Technical Specifications	MX1200	MX2000	MX3000
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Maximum torque	1200 Nm	2000 Nm	3000Nm
Max speed range	0-25 rpm	0-20 rpm	0-15 rpm
Max speed range with CE Certification	0-15 rpm	0-12 rpm	0-10 rpm
Min width of loop	200 mm	200 mm	200 mm
Max length of loop	1500 mm	2000 mm	3000 mm
Pin diameter (min)	15 mm	15 mm	15 mm
Conductor width (min)	1 mm	1 mm	1 mm
Conductor width (max)	50 mm	50 mm	50 mm
Drum diameter (max)	800 mm	800 mm	800 mm
Drum width (max)	300 mm	300 mm	300 mm
Drum weight	200 kg	200 kg	200 kg
Machine weight	550 kg	900 kg	1150 kg
Drum stand weight	150 kg	150 kg	150 kg