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# MX Loop Winding Machines

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<http://www.whitelegg.com/product-search/mx-loop-winding-machines>

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**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   |
|---------------------------------------|----------|----------|----------|
| 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   |

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|                   |        |        |          |
|-------------------|--------|--------|----------|
| Drum width (max)  | 300 mm | 300 mm | 300 mm   |
| Drum weight       | 200 kg | 200 kg | 200 kg   |
| Machine weight    | 550 kg | 900 kg | 1 150 kg |
| Drum stand weight | 150 kg | 150 kg | 150 kg   |