



Multipurpose machine for laboratory and pre-series production

Possible configuration:

- rotating spindle for single bobbin or tooth
- rotating spindle for «star» winding
- chain configuration
- rotating spindle for teeth winding
- needle winding
- rotating spindle and interpolation winding for external rotor
- flyer for stator winding

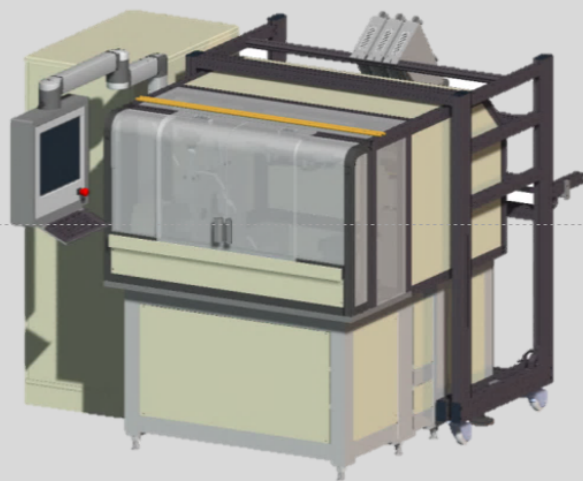




Integrations

Technical Data

MACHINE



DEVICES TO COMPLETE THE MACHINE

- [Wire guide bar](#)
- [Wire stripping device](#)
- [Device for centering and rotation "star" tool](#)
- [Multi-function translator with 3 axis](#)
- [Spindle and tailstock tooling for classic winding configuration \(with or without quick changeover\)](#)
- [Spindle, tailstock and central tooling for configuration with multi-teeth on "star" tool \(we use the spindle to wind\)](#)
- [Tooling for teeth in chain \(we wind using interpolation with wire guide bar\)](#)
- [Spindle and tailstock tooling for configuration with teeth in line \(we use the spindle to wind\)](#)
- [Spindle and tailstock tooling for configuration with external rotor](#)
- [Flyer solution for stator with high number of turns and small wires](#)
- [Tensioners with support frame and accessories to guide the wire](#)
- Etc...
- [Example of production changeover](#)
- [Examples of machine configurations in working mode](#)

BASIC MACHINE

MACHINE SPECIFICATIONS

- [Basement and guards](#)
- [Strong 3 axis wire guide group](#)
- [Adjustable spindle + tailstock group](#)
- [Motorizing spindle and tailstock](#)
- [Spindle and tailstock mechanical index](#)

CLASSIC WINDING CONFIGURATION

Max wire \varnothing 2.5 mm
Max bobbin height 110 mm
Max speed 2500 rpm

(Upgradable to bobbin height 300 mm)

INTERPOLATION WINDING

Max wire \varnothing 2.5 mm (3 wires)
Max bobbin dimensions 150 x 25 mm
Trajectory of wire-guide 200 x 40 mm
Max speed 1.42 turns/sec = 85 turns/min

EXAMPLE FOR A SMALL POLE :

Wire size \varnothing 0.8 mm (3 wires)
Bobbin dimensions 55 x 20 mm
Trajectory of wire-guide 80 x 30 mm
Speed 1.28 turns/sec = 77 turns/min



**Multipurpose machine for
Low volume high mix**





In a cell system concept

