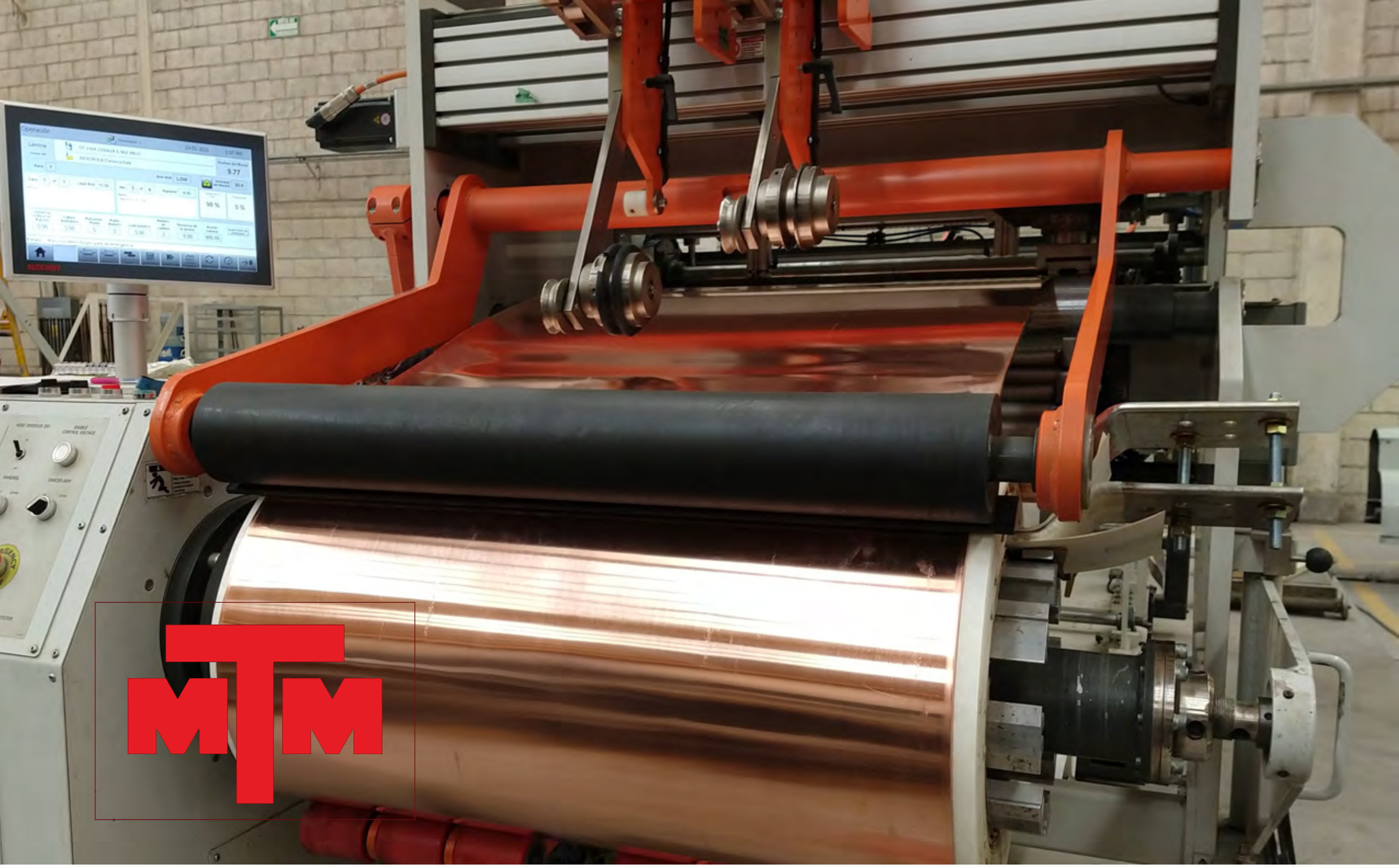


LV Coil Winding

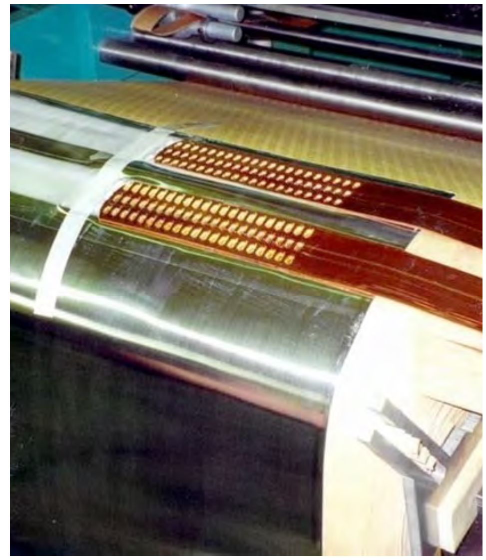
FM800
FM1000
FM1200

LV coil winding for 1 or 2 foil conductors with integrated cold welding for leads

MTM LV Coil Machine is designed to wind large or multi coil LV sections with one or two overlapped foils. The foils are precisely aligned at the coil via an automatic, computer controlled laser sensor system which shifts the foil decoiler laterally. The LV Coil Winding Machines are modular in design and can be customized to match nearly any productivity requirements.

Automated Tension Control

- Programmable tension control with feedback for foil conductor tension
- Foil alignment system ensures precise positioning of foil edge during constant tension application



Coil foller arm in combination with constant foil tension produces smaller, tighter LV coils

Technical Specifications

General	
Winding Speed	Up to 75 RPM (foil only)
Simultaneous Winding	Up to 2 Coils
Welding	Cold Welding or TIG
Coil Shaping / Pressing	Via Coil Follower Roller
Foil Edge Alignment	Actively Controlled, Ultrasonic
Capacities	
Width of Foil & Wire Layer	Up to 1,200mm
Foil Thickness, typical	Actively Controlled, Ultrasonic
Extra Clearances Left / Right	300 / 300 mm
Insulation	
Quantity	2 Full Width, Option up to 4
Edge Strip Width	Up to 50 mm
Wire Conductor (optional)	
No. Of Guiding Heads	1 or 2
Round Wire	0.26 - 3.7 mm (30-7 AWG)
Wire Flattening	Integrated, for each round wire
Flat / Rectangular Wire	Up to 6 Wires Total

Programmable Computer Control

- Fully programmable control system with touch screen and user-friendly HMI. Ready for smart factory / IoT integration.
- Built-in UPS in the controller which allows the status to be saved prior to executing an automated, controlled shutdown.
- Offline recipe creation software that can be download to machine via intranet (bar-code scanning) or USB drive.

Other Features

- Integrates with MTM winding mandrels, wire flattening and wire decoilers
- Edge strip payoffs with tensioning
- MTM Integrated Cold Welding system is optimized for multi foil welding application where foils are parallel or stacked using copper to aluminium system.

Innovate. Automate. Elevate.