

MACHINERY AND ENGINEERING
FOR THE WIRE INDUSTRY



MACCHINE + ENGINEERING S.r.l.

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ULTRA FINE WIRE MACHINES

Spray type wet wire drawing machine

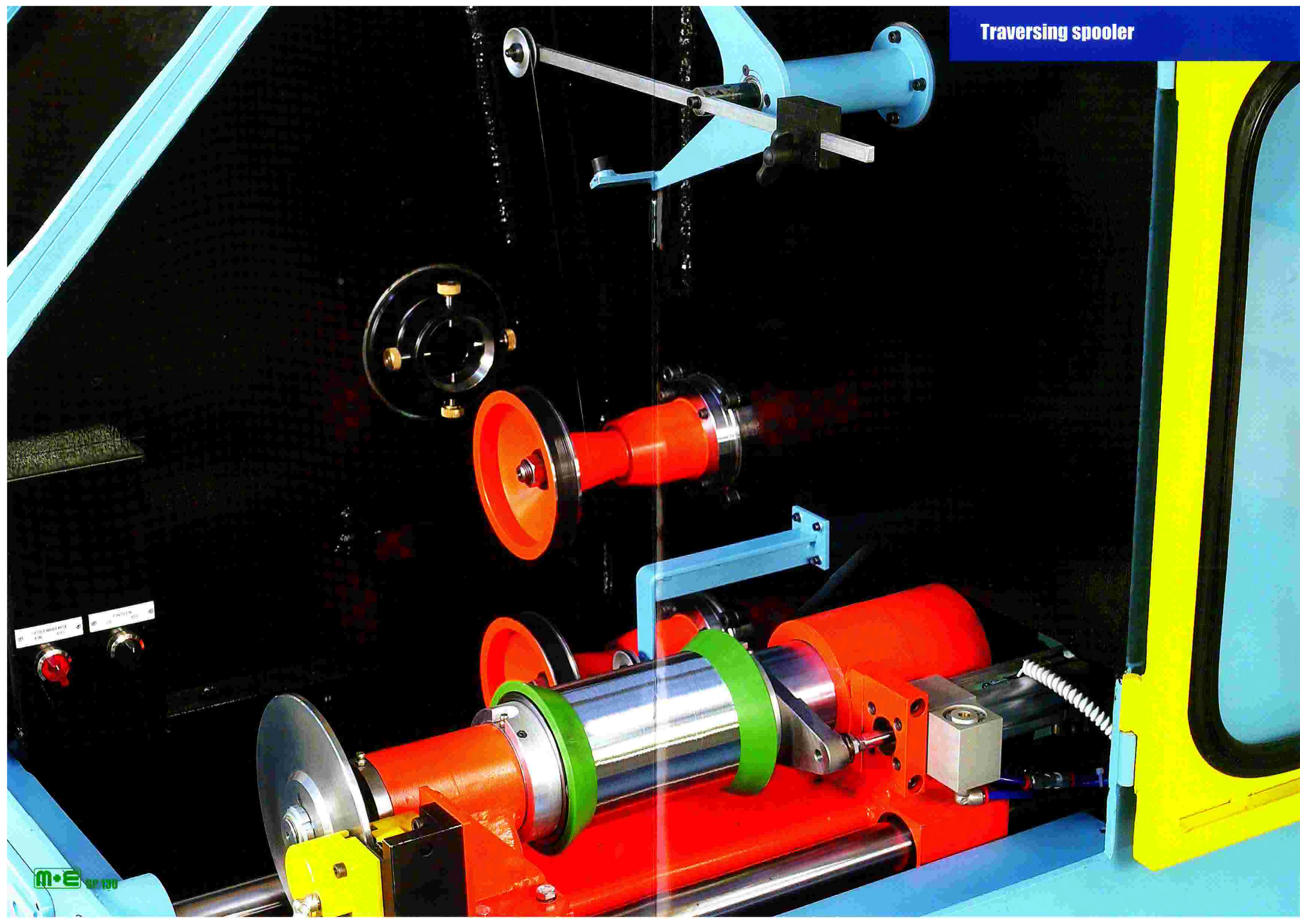
This generation of M+E wet drawing machines has been developed for drawing of ultra-fine wires where quality, productivity and winding conditions are the key factors.

M+E production range includes machines with 2, 4 or 6 cones with a maximum of 15, 26 or 33 dies, for a finished wire diameter down to minimum 0,015 mm (0.00059") and speed up to 40 m/sec (7.880 fpm).

The main machines characteristics are:

- Incorporated spool pay-off with empty spool detector.
- Straight wire path, without transfer sheaves.
- Individually adjustable die and cone lubrication.
- Robust, anti-vibration steel frame.
- Heavy duty bearings and cone shafts.
- Compact design with excellent string-up accessibility.
- Complete accessibility to all components for easy maintenance.
- Spool mounted between pneumatically operated pintles; electrical and mechanical safety devices prevent accidental pindle opening during operation.
- Self regulating traverse reverse points, enabling perfect winding conditions, for standard and bi-conical spools.
- Incorporated drawing oil lubricant tank and pump.
- Pre-wired, with incorporated electrical cabinet.
- Enclosed design with interlocked safety guards conforming to the most stringent safety regulations.

Traversing spooler



Annealing pay-offs and take-ups

This type of spool pay-off and take-up are normally used to anneal fine and ultra-fine stainless steel wires.

They are characterized by their simplicity, low maintenance and easy installation.

The main characteristics are:

- Overhead spool pay-off with mechanical wire tensioning device (whiskers or flyer type).
- Wire diameter down to 0,015 mm (0.00059").
- Capstans AC driven in groups of 6, 12 or 24 wires.
- AC motorized traverse in groups of 2, 4 or 6 wires.
- Perfect winding conditions, PLC controlled, for standard and bi-conical spools.
- Spools mounted on horizontal shafts.
- Individually AC driven spooler with special torque controlled motors.
- Compact design with excellent string-up accessibility.
- Complete accessibility to all components for easy maintenance.
- Pre-wired, with incorporated electrical cabinet.