

# INNOVATIVE MACHINES FOR THE WIRE INDUSTRY

## **G-STAR & G-MULTI SERIES**



## **SINGLE AND MULTI-LINE WIRE BENDERS**

- A complete range of single-line **G-STAR** and multi-line **G-MULTI** two and three-axis straightening, bending and cutting machines designed to meet a vast range of applications.
- Unique combination of multi-slide production output and CNC wire bender versatility.
- Up to 6 simultaneously operating lines, reach feeding speeds up to 500 m/min (1600 ft/min).
- Industrial or decorative shapes of any complexity can be created instantly and produced in thousands on the spot.
- Available in four diameter ranges, from 2 mm to 12 mm (0.078" - 1/2")
- Unlimited production flexibility, improved response to customer needs and highly increased productivity.



- Adjustable counter-torsion (anti-twist) mechanism, ensures control of wire twist regardless of wire quality, bending direction etc (patented)
- Diameter changes can be completed in less than two minutes, thanks to a carefully designed pre-setting system.
- The two available types of wire bending heads, single and bi-directional, combined with one or both available versions of 3-D bending options cover all wire forming applications achieving high production speeds and product accuracies.
- The 3-D wire TWISTING unit ensures fast production of small and mid-sized wire forms, whereas the 3-D rotating bending unit achieves high accuracies on large 3-D wire forms.

**"G-STAR" & "G-MULTI"** Range of wire benders are available with the following optional items:

- Bending table extension with inclination mechanism
- External hook and spring bending unit
- Ring forming attachment
- Automatic butt welding device
- Chamfering unit
- Automatic collection unit.
- Various types of de-coiling stations



# STRAIGHTENING FLEXIBILITY AT ITS VERY BEST

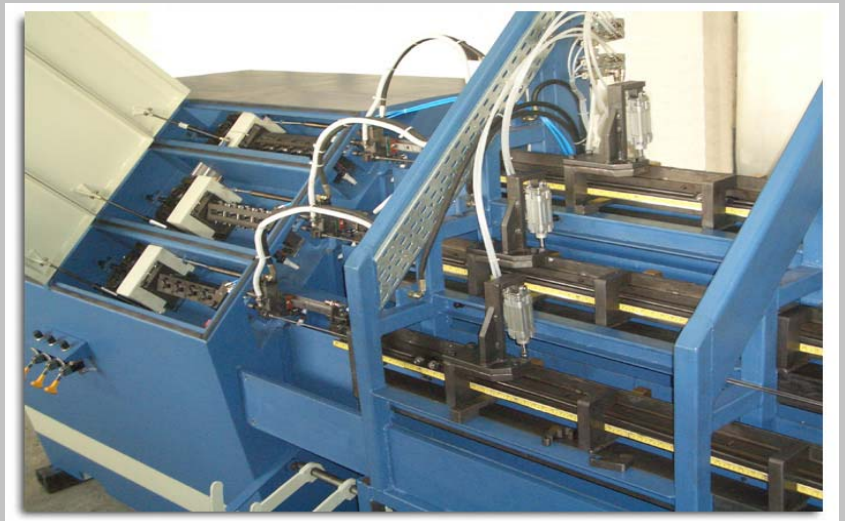
## MELC NC & MS SERIES

### SINGLE AND MULTI-LINE STRAIGHTENING MACHINES

- MELC straightening & cutting machines are designed for heavy duty continuous operation within the wire industry, using our 4<sup>th</sup> generation (4G) hyperbolic roller straightening and feeding system.
- One up to six straightening rotors (lines) can be combined on the same machine.
- Production speeds up to 500 m/min (1650 ft/min).
- Each rotor (line) operates independently from the others, thus each line can operate with the same or different wire diameter and cut the same or different length.



- 8 different diameter ranges: from 2 mm to 25 mm (0.078" - 1") and two different control system options are available.
- The unique Rotor system (patent) executes both straightening & feeding in one step.
- Eight to ten hyperbolically profiled, high quality steel rollers are housed in a robust spinning rotor.
- Hyperbolic roller profile ensures full line (and not point) contact between roller and wire.
- Spiral roller rotation around the rod guarantees rolling –and not sliding– friction.
- Minimal wire marking and maximum roller life.



- Each line has independent collection system and guides the wires to a common collector for all the lines for bundling without interrupting machine operation.
- The machine can operate unsupervised due to the electronically controlled safety devices and the constant straightening quality achieved.
- Mechanical simplicity, rapid diameter changes, and minimum maintenance required.

For a free video CD, samples and your nearest EUROBEND representative, please, contact:

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