

# EUROBEND S.A.

## INNOVATIVE AND COST-EFFECTIVE SOLUTIONS FOR THE RE-BAR PROCESSING INDUSTRY



### MELC SERIES: MULTI-LINE STRAIGHTENING & CUTTING MACHINES



- MELC multi-line straightening & cutting machines are designed for heavy duty continuous operation within the reinforcing industry, using the unique hyperbolic roller straightening and feeding system.
- Excellent straightening, no re-bar marking, compact system layout.
- One up to six straightening rotors/lines from  $\varnothing$  6mm up to  $\varnothing$  20mm (#3-#6) can be combined on the same machine reaching production speeds up to 500 m/min (1600 ft/min).
- Each rotor (line) works independently from the others: Each line can operate with the same or different re-bar diameter and cut the same or different length.
- A hydraulic flying shear cutter cuts the straightened re-bar, while in motion, thus allowing uninterrupted operation, minimum material stresses and ensures no marking on the re-bar surface.
- Independent collection system on each line.
- In-line Bundling machines, powered roller discharge conveyors and pocket storage systems are also available.

### G-STAR SERIES: 2-D & 3-D RE-BAR BENDERS

- A complete range of two & three axis re-bar benders, designed to meet a vast range of concrete reinforcing applications, processing up to  $\varnothing$  20mm (#6) re-bar, with twin-rod simultaneous processing capabilities.
- The sophisticated bending system employs two separate bending heads, one of the classical rotating plate and the other of a thoughtful retractable twin-roller design (patent).
- All lower rollers of the straightening sub-assemblies are powered, for a positive and precise feed force.
- Adjustable counter-torsion (anti-twist) system always produces flat shapes regardless of re-bar quality, axial twist and bending direction.
- Available in four diameter ranges and with: Bending table Inclination mechanism, helical/ring forming attachment, straight rod collection station.



### SYNTHETON SERIES: FLEXIBLE STRAIGHTENING & TWIN BENDING SYSTEM FOR COILED RE-BAR



- Automatic Re-bar Twin-Bender, working directly from coil.
- A multi-line straightening & cutting machine –from three up to six lines- feeds the re-bar into the bending machine.
- Straightening section employs rotor & hyperbolic roller straightening technology.
- Unique convergence wire guide system for automatic re-bar diameter changes in less than 5 seconds (patented).
- Automatic Re-bar and bending tool changing device.
- Unique design of bending head allows left & right hand bends.
- CNC industrial microprocessor control with user-friendly operation and advanced programming software.
- Re-bars up to  $\varnothing$  20mm (#6) and lengths up to 12 m (40ft) can be processed automatically.

## BENDOMAT SE SERIES: TWIN BENDING SYSTEM FOR PRE-CUT RE-BARS

- The BENDOMAT SE Series are a new line of automatic re-bar twin-benders for the production of large forms with left and right hand bends.
- Straight bars up to 12 m (40ft) long and with diameter range up to Ø 40mm (#14) can be processed.
- The re-bars are loaded, bent and ejected automatically.
- The unique design of the bending heads allows them to move up and down and perform left and right hand bends with one or more re-bars.
- The BENDOMAT 32 and 40 SE series can be combined with a BC 32 or 40 re-bar shear line.



## "BC" SERIES: RE-BAR SHEAR LINES



- The BC series are capable of processing one or more re-bars -of the same diameter- simultaneously.
- The unique aligning system ensures accuracies through all the length of the bars.
- The machine can be supplied with laterally shifting either the measuring and cutting machine or the re-bar feeding storage unit.
- BC series can process re-bars with diameters ranging from Ø 8mm (#3) up to Ø 40mm (#14) and lengths up to 14 meters (45 ft).
- The machine can be supplied with two or three powered roller conveyor bins.

## SPIRAL SE SERIES: CONTINUOUS STIRRUP / SPIRAL BENDERS

- The "SPIRAL SE" series are CNC straightening, bending and cutting machines producing concrete reinforcing stirrups in a continuous, multi-layer (spiral) form.
- Coiled reinforcing bar or wire can be processed and any shape can be produced (i.e. square, rectangular, polygon, circular etc).
- The unique advantages of the "SPIRAL" series include:
  - Reduced product / material cost (30%) and labor savings (50%) in comparison to conventional beams or columns assembled with stirrups.
  - Reduced installation time.
  - Better structural protection.
  - Easier handling and assembly.
- The SPIRAL SE series are available in two diameter ranges up to 12mm (#4) or 16mm (#5) and various collection table sizes.
- Up to 80 layers on 12mm (#4) re-bar diameter of continuous spiral stirrups can be produced.



For more information, video CD, samples and your nearest EUROBEND representative, please contact:

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