SYNTHETON SERIES
FLEXIBLE MULTI-LINE STRAIGHTENING AND TWIN BENDING SYSTEM FOR COILED RE-BARS UP TO 20mm #6

- Automatic Rebar Twin-Bender, working directly from coil.
- A multi-line straightening & cutting machine from three up to six lines feeds the rebar into the bending machine.
- Straightening section employs roller & 4G hyperbolic roller straightening technology.
- Flying shear cutter, common to all lines, allows uninterrupted operation and minimizes material stresses.
- Unique convergence wire guide system for automatic re-bar diameter changes in less than 2 seconds (patented).
- The extremely fast and automatic coil and bending tool changes, enables the production of different re-bar diameters in the same batch without complicated collection systems.
- Flying shear cutter, common to all lines, allows uninterrupted operation and minimizes material stresses.
SYNTHETON SERIES

- Automatic bending tool changing device, depending on re-bar diameter to be processed.
- The bending heads are powered through servo-driven geared motors for excellent accuracy and increased production efficiency.
- Unique design of bending head allows left & right hand bends.
- Industrial microprocessor control with user-friendly operation and advanced programming software.
- The machine can work unsupervised due to the electronically controlled safety devices and the constant straightening quality achieved.
- The SYNTHETON SERIES can process, Re-Bars from 8 up to 20 mm #3 - #6 with lengths up to 12 m 40ft automatically.
- Available in various multi-line configurations, from three up to six lines, processing re-bar sizes from 6 up to 20 mm #3 - #6.

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<thead>
<tr>
<th>Number of lines</th>
<th>First Line</th>
<th>Second Line</th>
<th>Third Line</th>
<th>Fourth Line</th>
<th>Fifth Line</th>
<th>Sixth Line</th>
<th>Feeding speed</th>
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<tbody>
<tr>
<td></td>
<td>12mm (#4)</td>
<td>12mm (#4)</td>
<td>16mm (#5)</td>
<td>12mm (#4)</td>
<td>10mm (#3)</td>
<td>-</td>
<td>80-120 m/min (260-400 ft/min)</td>
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<td></td>
<td>12mm (#4)</td>
<td>10mm (#3)</td>
<td>16mm (#5)</td>
<td>12mm (#4)</td>
<td>8mm</td>
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<td>8mm</td>
<td>8mm</td>
<td>10mm (#3)</td>
<td>6mm</td>
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<td>6mm</td>
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Bending speed 0-400°/sec
Bending head traverse speed 60 m/min (130 f/min)
Installed power 28 kW 28 kW 38 kW 38 kW 38 kW 45 kW
Production output 18-24 t 18-24 t 25-43 t 25-43 t 25-43 t 38-65 t

*Other diameter configurations upon request

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