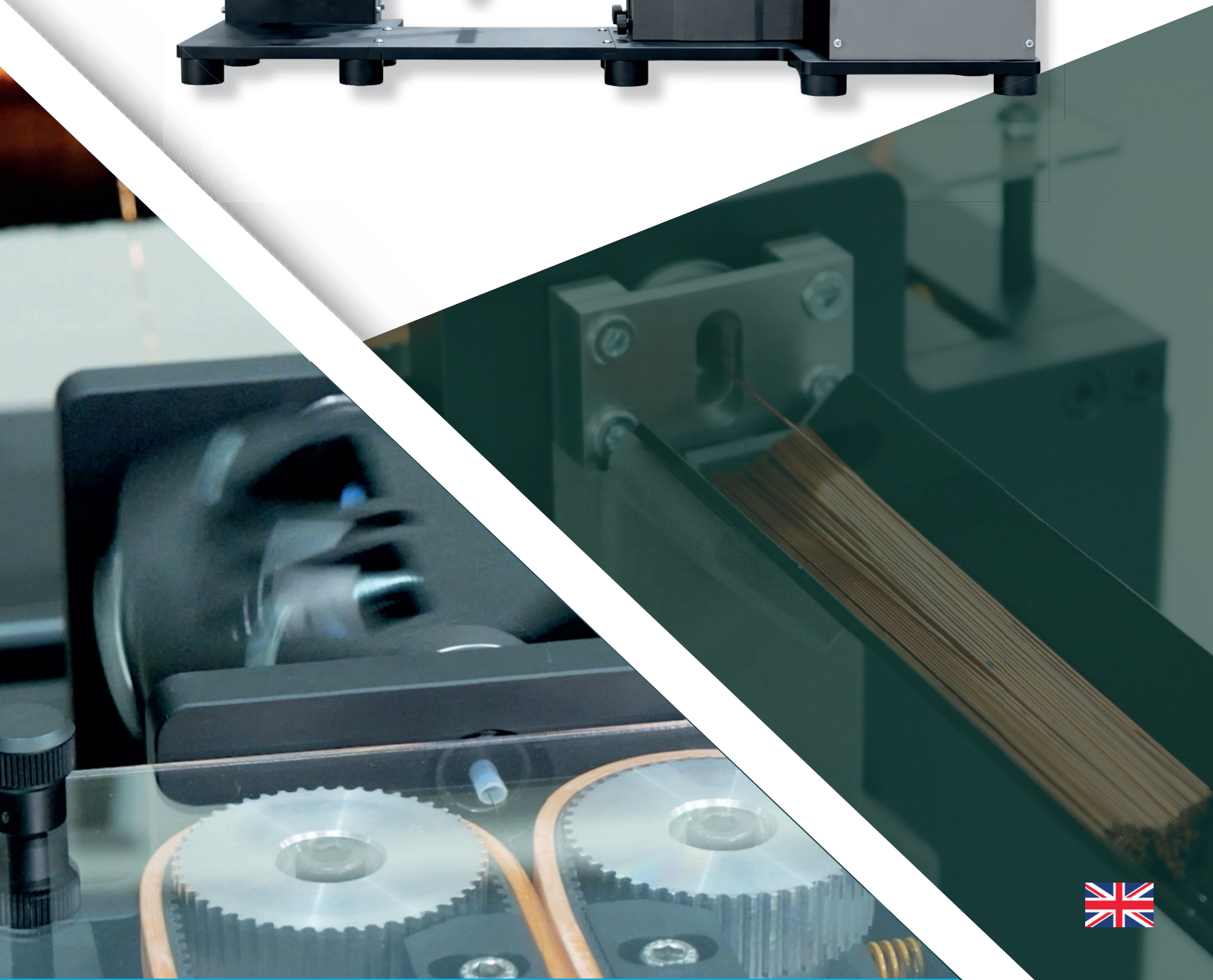


WS-800

Automatic straightening and cutting

AXITEC

purposely build





Applied in the most challenging applications

- **Precise wire feeding:** Thanks to the driven unwinding unit in combination with a tension regulator, the wire is fed with controlled, constant tension. This is essential for achieving stable straightening results and preventing damage to the wire, especially when processing very thin wires.
- **Controlled straightening:** A specially developed rotary straightener ensures controlled, multi-directional wire straightening. Unlike traditional rollers, the natural resilience of the wire is effectively minimised, keeping even the thinnest wires perfectly straight without risk of damage or breakage.
- **Consistent quality:** For production processes that process many small wires, reliability is crucial. The WS-800 delivers consistent results when straightening and cutting wires, ensuring that the quality of each wire remains uniform.

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WS-800

About

The WS-800 is an automated wire processing machine for small diameters. Designed for precise straightening and cutting, maintaining excellent repeatability. The combination of flexibility, ease of use and process stability enables customers to optimize the production flow, reduce manual operations and achieve ever tighter tolerances. Together, these solutions reflect Axitec's deep application knowledge and its commitment to delivering future-proof automation for demanding wire and cable manufacturing environments.

Applications

- **Electronics and components:** The WS-800 is ideal for producing electronic components such as resistors, capacitors, and connectors, where perfectly straight wires ensure flawless assembly and optimal performance.
- **Precision instruments:** Laboratory equipment, sensors, and measuring instruments rely on precisely aligned wires to guarantee accurate measurements and reliable operation something the WS-800 consistently delivers.
- **Precious metal processing:** For very thin platinum or other precious metal wires, the WS-800 provides an automated solution that processes each piece uniformly, ensuring high quality and consistency for customer-facing products.

Technical specifications

Supported cable diameter	0.1mm – 1.0mm
Cutting method	Hardened steel cut tool
Length tolerance	0.25%
Dimensions	800x435x250mm (lxbxh)
Power supply	External 24V adapter
Spoolholder	Driven de-spooler with tensioner arm
Cable feeding method	Double rubber timing belt
Wire guidance	Polished ceramic pulley
Certification	CE