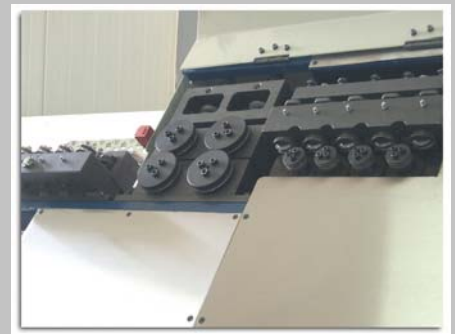


# G-STAR SE-TRIS SERIES

*INNOVATIVE CNC BENDING MACHINES FOR THE WIRE INDUSTRY*

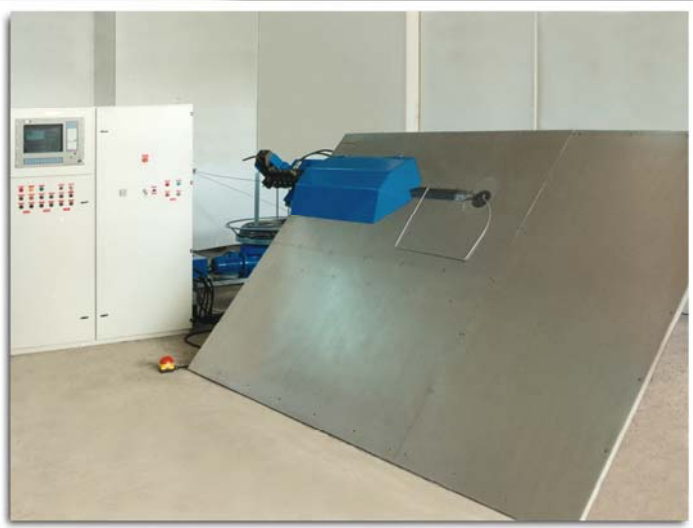


- A full range of CNC programmable wire bending machines for the production of two and three-dimensional wire forms
- Heavy duty construction and minimum set up requirements due to ergonomic design.
- The three available types of wire bending heads, single, bi-directional and multi-tool, combined with the 3-D bending option cover all wire forming applications.
- The machine can be accessed, monitored and operated from our service centers in real time mode for regular maintenance purposes and on-line support.
- The software provides statistics on wire requirements, production weights and rates either by order, diameter, shape, etc.
- Two robust roller subassemblies powered with a servomotor ensure accurate feeding and excellent straightening.
- The lower rollers of the straightening unit are powered, thus creating a positive, precise feed force.
- Wire marking is reduced to a minimum and roller life is maximized due to even power distribution and offset roller design.
- Adjustable counter-torsion (anti-twist) mechanism ensures control of wire twist regardless of wire quality. (patented)
- Diameter changes can be completed in less than two minutes, thanks to a carefully designed pre-setting system.



# G-STAR SE-TRIS SERIES

## BENDING FLEXIBILITY AT ITS VERY BEST



Three types of 2-D bending units are available

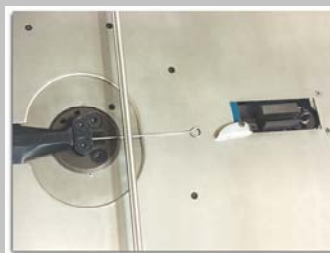
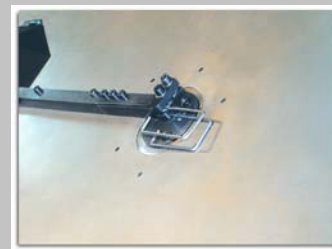
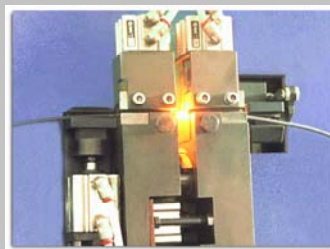
- A right-hand bender type "DE"
- A Twin-centre bidirectional bender type "SE"
- A bidirectional multi-tool bender type "TSE"



- 30% higher production output on DE and SE type bending units, compared to conventional benders, due to built-in cutter and cutting without reversing.
- Due to smart design of the bending and cutting head, cutting on a radius is possible allowing creation of perfect circular parts or rings.
- The unique wire-twisting unit type "TRIS" can create 3D bends very fast and is ideal for small and mid-sized wire forms.
- The wire twisting unit consists of two hydraulically operating clamping units and is located between the straightening and 2D bending unit.

G-STAR SE-TRIS Series are available with the following optional items:

- ✓ Twin-wire processing tooling
- ✓ Bending table extension with inclination mechanism
- ✓ Various types of external bending units
- ✓ Wire chamfering, stamping & punching units
- ✓ Automatic butt-welding device
- ✓ Integrated Robotic arm and product transfer units
- ✓ Automatic parts collector
- ✓ Various types of de-coiling stations



Working Range	G-STAR SE-TRIS	2-6	3-8	4-10**	5-13
Wire diameter range*	< 600 N/mm <sup>2</sup>	2-6 mm*	3-8 mm*	4-10 mm*	5-13 mm*
		0.0787"-0.236"	0.118"-0.315"	0.157"-0.393"	0.196"-0.5"
Wire diameter range	< 1200 N/mm <sup>2</sup>	2-4 mm	3-5 mm	4-6 mm	5-9 mm
		0.0787"-0.157"	0.118"-0.196"	0.157"-0.236"	0.196"-0.354"
Max. feed speed		120 m/min	110 m/min	100 m/min	100 m/min
		395 ft/min	360 ft/min	328 ft/min	328 ft/min
Max. bending rate		1400°/sec	1200°/sec	1000°/sec	800°/sec
Max. rotation angle 3-D		±180	±180	±180	±180
Wire feeding accuracy		±0.05 mm	±0.05 mm	±0.1 mm	±0.1 mm
		±0.002"	±0.002"	±0.004"	±0.004"
Angle bending accuracy		±0.1°	±0.1°	±0.1°	±0.1°

\*Smaller diameters with additional tooling.

\*\* Twin-wire processing version up to 6mm (0.236")

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

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