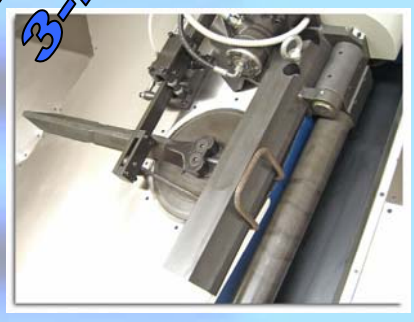
G-STAR SP SERIES

AUTOMATIC 3-D CONTINUITY SYSTEMS STIRRUPS BENDERS

EUROBEND



PIONEERS IN 3-D BENDING







The G-STAR SP Series of **3-D CONTINUITY SYSTEMS STIRRUPS** benders offer servo-driven operation, and ensure reliable and cost-effective production.

- ✓ With all the unique features of the G-STAR SE SERIES
- ✓ Elimination of secondary bending operations.

- ✓ The sophisticated bending system employs one classical rotating bending plate with incorporated cutter and retractable bending pin and one 3-D bending head with two folding arms for double re-bar bending.
- ✓ The second benders angle is adjustable with respect to the rod axis, for the different Continuity Systems Stirrups widths.
- ✓ External leg positioning unit for out of the plane bending during 3-D bending action. (Patented)

- ✓ G-STAR SP series are standard with electric Adjustable counter-torsion system always producing flat shapes regardless of rebar quality, axial twist and bending direction (Patented).
- ✓ Two types of straightening roller adjusting systems are available.
- ✓ The Hexagon Shaft Pre-setting System and the Fully automatic roller adjusting system “ASA”

ADD AN EXTRA DIMENSION TO YOUR PRODUCTION



- ✓ Two robust roller subassemblies, powered by a servomotor ensure accurate feeding and excellent straightening.
- ✓ All lower rollers of the straightening and feeding unit are powered, thus creating a positive, precise feed force.
- ✓ Re-bar marking is reduced to a minimum and roller life is maximized due to even power distribution and offset roller design.
- ✓ The heavy duty construction of the straightening and feeding unit absorbs all vibrations caused by the re-bar ribs.
- ✓ Ergonomic operator interface with user friendly software.
- ✓ Remote trouble-shooting via Internet.



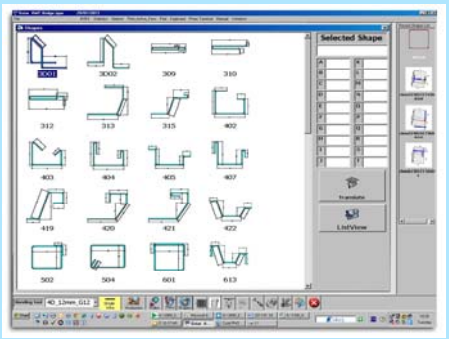


G-STAR SP Benders are available with:

- ✓ Automatic Torsion Eliminator “ATE” (patent)
- ✓ Automatic Re-Bar Size Changing Unit “AWC”
- ✓ Product identification stamping
- ✓ Automatic stirrup collector.







TECHNICAL SPECIFICATIONS	G-STAR 8 SP	G-STAR 12 SP	G-STAR 14 SP	G-STAR 16 SP
Single strand 3-D	∅ 4-8 mm	∅ 5-12 mm (#4)	∅ 6-14 mm (#4)	∅ 6-16 mm (#5)
Double strand 2-D	-	∅ 5-8 mm	∅ 6-10 mm (#3)	∅ 6-12 mm (#4)
Feeding speed	140 m/min (460 ft/min)	140 m/min (460 ft/min)	120 m/min (390 ft/min)	110 m/min (360 ft/min)
Feeding accuracy	± 0.5 mm (±0.02”)	± 0.5 mm (±0.02”)	± 0.5 mm (±0.02”)	± 0.5 mm (±0.02”)
Bending speed 2-D	1200 °/sec	1200 °/sec	1000 °/sec	1000 °/sec
Bending speed 3-D	700 °/sec	500 °/sec	500 °/sec	400 °/sec
Bending angle 2-D	+ 180°	± 180°	± 180°	± 180°
Bending angle 3-D	+ 120°	+ 120°	+ 120°	+ 120°
Bending accuracy	± 0.5°	± 0.5°	± 0.5°	± 0.5°
Installed power (kW)	10	16	18	20
Power consumption (kWh)	3	5	6	7
Main machine weight	1800 kg	3300 kg	3700 kg	4200 kg

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