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STERLING STC420 AX CNC TWIN COLUMN AUTOMATIC BAND SAW

The ultimate in sawing productivity. With servo controlled cutting and feeding operations the Sterling AX models offer extremely precise control over cutting parameters. The CNC control stores cutting programs as well as controlling feature such as blade deflection allowance and variable blade tension according to the cutting cycle. With a rigid twin column design the saw frame runs on linear guides and descent is controlled by a servo motor. The feeding operation is also servo controlled providing exceptional repeatability of cut lengths with a shuttle function for longer lengths if required. These models are ideal for production cutting of solid materials but are also available with options such as specific vices for bundle cutting tubes and bars. A chip conveyor is fitted to ensure the continuous removal of swarf from the cutting area.

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FEATURES

- Twin column design with linear guides
- SmartCNC control with pre-loaded cutting parameters
- Cutting controlled by servo motor and ball screw drive
- Automatic feeding controlled by servo motor
- Drive motor with high torque planetary gearbox
- Hydraulic fixed and shuttle vices
- Hydraulically actuated carbide blade guides
- Infinitely variable cutting speed
- Automatic hydraulic blade tension
- Blade deflection sensor
- Full machine enclosure
- Powered swarf brush
- Powered chip conveyor
- Flood coolant system

OPTIONS

- 15.0 kW drive motor in lieu of standard 7.5 kW
- Hydraulic top clamps
- Spray mist lubrication (requires compressor)
- Powered and gravity roller track

TECHNICAL INFORMATION

MODEL		STC420 AX CNC
Capacities		
Tube at 90°	mm	420
Square Section at 90°	mm	420
Rectangular Section / Beam at 90°	mm	420 x 420
Blade Size	mm	5750 x 41 x 1.3
Bed Height	mm	805
Cutting Speed	m/min	20 - 100
Drive Motor	kW	7.5
Length	mm	2820
Width	mm	1960
Height	mm	2820
Weight	kg	3300
Operation		Automatic
Vice Shuttle Stroke	mm	700
Vice Feed Operation		Servo
Vice Clamping Operation		Hydraulic

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OTHER IMAGES