

### STERLING

## STC 420 AX CNC Servo Feed Bandsaw

Sterling's range of bandsaws are one of the leading brands in the metal cutting world. The new STC 420 AX CNC is designed to maximise our customer's production of heavy metal beams, profiles, and pipe cuts in high-volume quantities, with a fully automatic servo feeding and cutting system. Automatic controls and sensors maximises the performance to cost ratio, and extends the lifetime of a blade up 50% longer.

The Omron Touchscreen CNC controller on this saw enables the user to set-up to 100 programmes with 50 steps each for automatic cutting, simply punch in your lengths and quantities, and let the saw do the work for you.



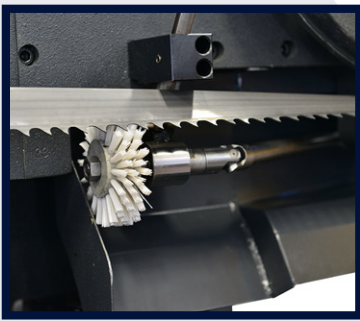
**STC 420 AX CNC  
Front & Rear View**

### Machine Features

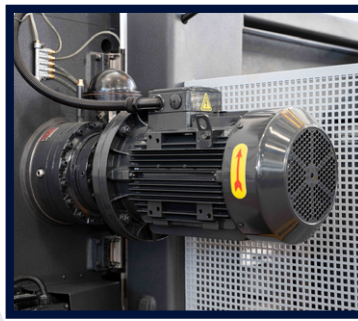
- Twin-Column
- Fully automatic CNC
- Hydraulic Blade Tensioning
- Inverter drive providing infinitely variable blade speed
- Automatic bow return
- Hydraulic split vice
- Servo feeding with 700mm stroke
- User-friendly Omron touch screen
- Highly efficient gearbox
- CNC control panel (100 Programs - 50 steps)
- Sensitive cutting pressure regulation
- Proximity switch for sensing if the blade is slipping
- Motorised Swarf brush
- Chip Conveyor
- Carbide blade guides with hydraulic bearings
- Flood Coolant system

### Optional Equipment

- Hydraulic top clamps
- Spray mist lubrication
- Hexagonal Vice for bundle cutting
- 15kW Motor
- Roller track and measuring systems



**SWARF WHEEL**



**HEAVY DUTY GEARBOX**



**INVERTER**



**OMRON CNC CONTROLLER**



**HYDRAULIC SPLIT VICE**



**OPTICAL RAPID APPROACH**



**HEXAGONAL VICE (OPTIONAL)**



**HYDRAULIC TOP CLAMPING (OPTIONAL)**



**SPRAYMIST (OPTIONAL)**

## TECHNICAL SPECIFICATIONS

MODEL	STC 420 AX CNC Servo	
Capacity		0°
	<input type="radio"/> mm	420
	<input type="checkbox"/> mm	420
	<input type="checkbox"/> mm	420 x 0420
Bed Height	mm	805
Main Motor	kW	7.5
Hydraulic Motor	kW	1.1
Coolant Pump	kW	0.2
Servo Feeding Motor	kW	1.5
Bow Lifting Motor	kW	1.5
Chip Conveyor Motor	kW	0.25
Blade Size	mm	5750 x 41 x 1.3
Cutting Speed	m/min	15 - 120
Tolerances	mm	0.1
CNC Controller	Omron Touchscreen	
Program	100 Programmes - 50 Steps	
Stroke Length	mm	700
Remnant Piece (Scrap length)	mm	110 (Automatic Mode) 55 (Manual Mode)
Max. Feed	mm	9999
Length	mm	1980
Width	mm	2860
Height	mm	2100
Weight	Kg	3300
Operation	Automatic	
Vice	Hydraulic	
Vice Feed	Servo (1.5kW)	