

STERLING

STC AX CNC Servo Feed Bandsaw

Sterling's range of bandsaws are one of the leading brands in the metal cutting world. The new STC AX CNC range 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.



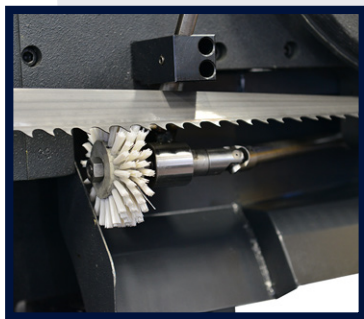
**STC 420 AX CNC
Front & Rear View**

Machine Features

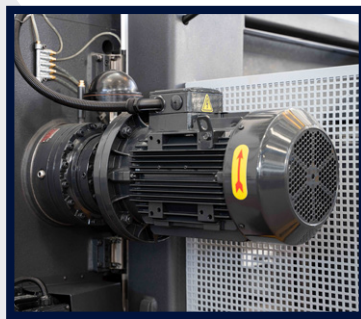
- Twin-Column
- Fully automatic CNC
- Hydraulic Blade Tensioning
- Inverter drive providing infinitely variable blade speed
- Automatic bow return
- Hydraulic split vice
- Servo feeding with 700mm stroke
- User-friendly Omron touch screen
- Highly efficient gearbox
- CNC control panel (100 Programs - 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
- Full Enclosure (420 / 570 AX only)



SWARF WHEEL



HEAVY DUTY GEARBOX



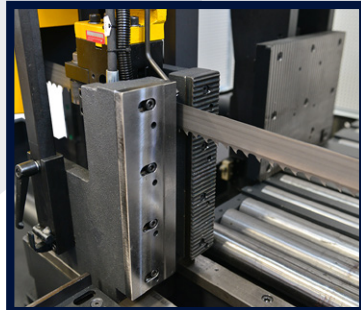
INVERTER



OMRON CNC CONTROLLER



HEXAGONAL VICE (OPTIONAL)



HYDRAULIC SPLIT VICE



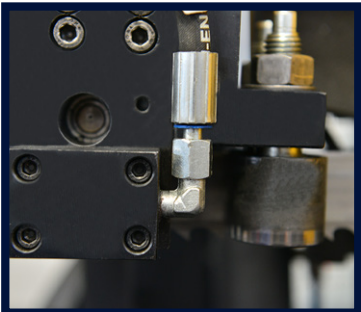
OPTICAL RAPID APPROACH



HYDRAULIC TOP CLAMPING (OPTIONAL)



SPRAYMIST (OPTIONAL)



HYDRAULIC BLADE GUIDES



THE 420 AND 570 AX CAN BE SUPPLIED WITH A FULL ENCLOSURE FOR INCREASED SAFETY

TECHNICAL SPECIFICATIONS

MODEL		STC335 AX CNC Servo	STC420 AX CNC Servo	STC570 AX CNC Servo	STC660 AX CNC Servo	STC825 AX CNC Servo
Capacity		0°	0°	0°	0°	0°
	○ mm	335	420	570	660	825
	□ mm	335	420	570	660	825
	▭ mm	335 x 500	420 x 420	600 x 570	660 x 660	825 x 850
Bed Height	mm	1,000	805	805	805	859
Main Motor	kW	3	7.5	7.5	7.5	15
Hydraulic Motor	kW	1.1	1.1	2.2	2.2	1.5
Coolant Pump	kW	0.2	0.2	0.2	0.2	0.12
Servo Feeding Motor	kW	2	1.5	2	2	2
Bow Lifting Motor	kW	1	1.5	1.5	1.5	2
Chip Conveyor Motor	kW	0.25	0.25	0.25	0.25	0.25
Blade Size	mm	5,260 x 41 x 1.3	5,750 x 41 x 1.3	7,400 x 54 x 1.6	7,925 x 54 x 1.6	9,500 x 67 x 1.6
Cutting Speed	m/min	15 - 150	15 - 150	15 - 150	15 - 120	15 - 150
Tolerances	mm	0.1	0.1	0.1	0.1	0.1
CNC Controller		Omron Touchscreen	Omron Touchscreen	Omron Touchscreen	Omron Touchscreen	Omron Touchscreen
Program		100 Programmes - 50 Steps	100 Programmes - 50 Steps	100 Programmes - 50 Steps	100 Programmes - 50 Steps	100 Programmes - 50 Steps
Stroke Length	mm	1300	700	700	700	700
Remnant Piece (Scrap length)	mm	110 (Automatic Mode) 55 (Manual Mode)	110 (Automatic Mode) 55 (Manual Mode)	125 (Automatic Mode) 50 (Manual Mode)	125 (Automatic Mode) 50 (Manual Mode)	125 (Automatic Mode) 50 (Manual Mode)
Max. Feed	mm	9,999	9,999	9,999	9,999	9,999
Length	mm	2,900	1,980	3,500	3,900	4,500
Width	mm	2,560	2,860	2,000	2,090	2,650
Height	mm	2,150	2,100	2,700	2,770	3,100
Weight	Kg	3,250	3,300	5,900	7,200	10,000
Operation		Automatic	Automatic	Automatic	Automatic	Automatic
Vice		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Vice Feed		Servo (1.5kW)	Servo (1.5kW)	Servo (1.5kW)	Servo (1.5kW)	Servo (1.5kW)