

### STERLING

## STC GA PLC Twin Column Automatic Bandsaw

Sterling's range of bandsaws are one of the leading brands in the metal cutting world. The Sterling STC GA PLC twin column, automatic, mitre bandsaw being no exception. This a fully automatic machine in a twin-column design ideally suited for cutting solid material, as well as pipes, profiles and beams in steel cutting, with mitring capacities.

The Siemens PLC controller on this saw enables the user to set up a programme with 10 steps for automatic cutting. Simply punch in your lengths and quantities, and let the saw do the work for you.



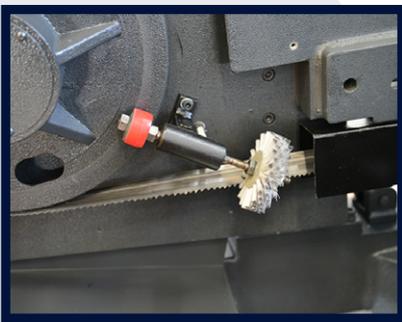
**STC 325 GA PLC**

### Machine Features

- Twin column rigidity
- Fully automatic PLC
- Up to 60° Mitre
- Hydraulic clamping of mitre angle
- Hydromechanical Blade Tension
- Inverter drive providing infinitely variable blade speed
- Automatic bow return
- Hydraulic vice
- Hydraulic feeding vice
- Hydraulic rear vice
- Optical height adjustment
- Heavy duty gear box
- PLC control panel
- Sensitive cutting pressure regulation
- Swarf brush
- Carbide blade guides
- Flood Coolant system

### Optional Equipment

- Hydraulic blade tension
- Hydraulic top clamps
- Chip conveyor
- Spray mist lubrication
- Laser cutting line
- Hexagonal Vice for bundle cutting
- Roller track and measuring systems



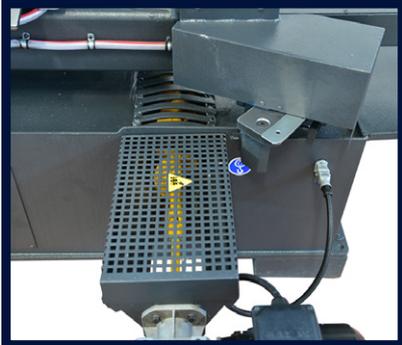
**SWARF WHEEL**



**HYDRAULIC VICE**



**CONTROL PANEL**



**CHIP CONVEYOR (OPTIONAL)**



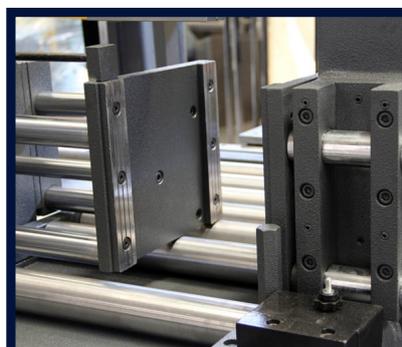
**SENSITIVE CUTTING PRESSURE**



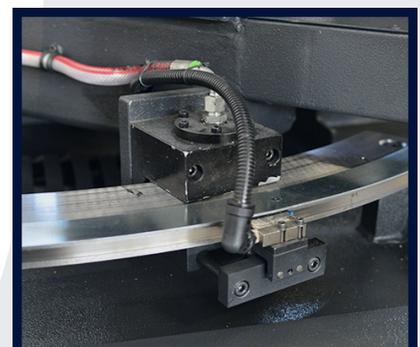
**HYDRAULIC FEEDING VICE**



**HEXAGONAL VICE (OPTIONAL)**



**REAR VICE**



**HYDRAULIC CLAMPING ANGLE**

## TECHNICAL SPECIFICATIONS

MODEL	STC325 GA PLC				STC360 GA PLC				STC440 GA PLC				STC540 GA PLC			
Capacity	0°	30°	45°	60°	0°	30°	45°	60°	0°	30°	45°	60°	0°	30°	45°	60°
mm	325	325	300	200	360	360	360	325	440	440	430	320	540	540	510	270
mm	315	315	300	200	360	360	360	290	440	440	425	290	540	540	450	250
mm	400 x 315	380 x 315	300 x 315	200 x 315	610 x 360	590 x 360	450 x 360	280 x 360	610 x 425	570 x 440	430 x 425	260 x 425	670 x 540	600 x 540	450 x 540	250 x 540
Bed Height	mm 655				735				735				845			
Blade Size	mm 4380 x 34 x 1.1				5200 x 34 x 1.1				5400 x 41 x 1.3				6000 x 41 x 1.3			
Cutting Speed	m/min 20 - 100				20 - 100				20 - 100				20 - 100			
Main Motor	kW 2.2				3				4				4			
Hydraulic Motor	kW 1.1				1.1				1.1				2.2			
Tolerances	mm 0.3				0.3				0.3				0.3			
PLC Controller	Siemens				Siemens				Siemens				Siemens			
Program	1 Program - 10 Steps				1 Program - 10 Steps				1 Program - 10 Steps				1 Program - 10 Steps			
Stroke Length	mm 500				500				500				500			
Remnant Piece (Scrap Length)	mm 255 (Automatic Mode) 50 (Manual Mode)				280 (Automatic Mode) 60 (Manual Mode)				310 (Automatic Mode) 60 (Manual Mode)				310 (Automatic Mode) 60 (Manual Mode)			
Max. Feeding	mm 6000				6000				6000				6000			
Length	mm 2,130				2850				2850				3100			
Width	mm 2,150				2250				2350				2350			
Height	mm 1,650				1870				2000				2150			
Weight	Kg 1,860				2400				3600				3800			
Operation	Automatic				Automatic				Automatic				Automatic			
Vice	Hydraulic				Hydraulic				Hydraulic				Hydraulic			