

SELMACHTM
MACHINERY

Making Metal Work

STERLING

**STC440 DGAS CNC Twin
Column Automatic
Bandsaw**

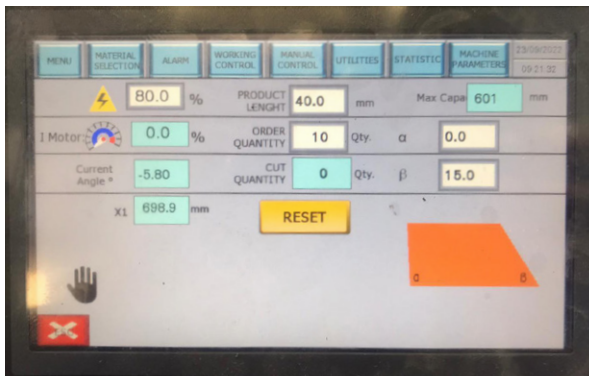


As close to flawless cutting as you can be

The Sterling DGAS range of twin column CNC vice feed automatic bandsaws provide unique double mitre capability, offering a production solution for automatic mitre cutting in both small and large sections.

With the addition of a touchscreen CNC control, this allows the operator to program up to 50 steps in a cutting cycle. The CNC system then controls the cutting process entirely throughout the cycle dictating the angle of cut and length of cut to extreme accuracy.

The DGAS has the capability to be programmed offline for removal of operator error. The servo drive system can reduce the cutting tolerances close to zero error margin. The STC DGAS is ideal for mass production and bundle cutting of solid material, tube and profile.



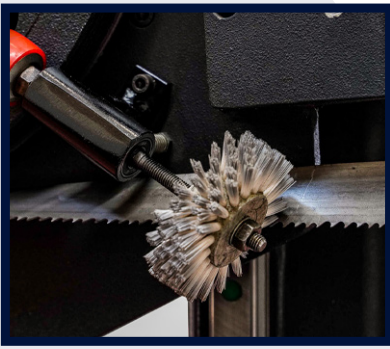
Machine Features

- Heavy duty CNC automatic double mitring vice feed bandsaw system allowing repeat accurate cutting of mitred profiles
- Dual feeding system, automatically selected by the machine based on your cutting length
- Rack and Pinion gear system with 1,000mm stroke Ball screw servo feeding system with 700mm stroke
- Offline programming capability
- CNC Touchscreen control
- Powered double mitre Particularly suited for h beam and hollow section materials
- Variable blade speed allowing full spectrum of materials to be cut
- Extremely accurate up to 0.01mm servo index vice feeding system
- Exceptionally heavy-duty with dual linear guidance

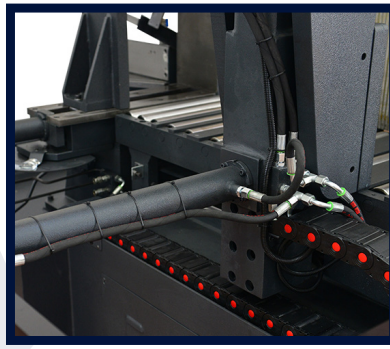
Optional Equipment

- 3m Length of outfeed / infeed Free Running Roller Conveyor
- Spray Mist Micro Coolant System (requires an air supply)
- Laser Line illumination of cut line
- Hydraulic Top Bundling Clamp
- Chip Conveyor





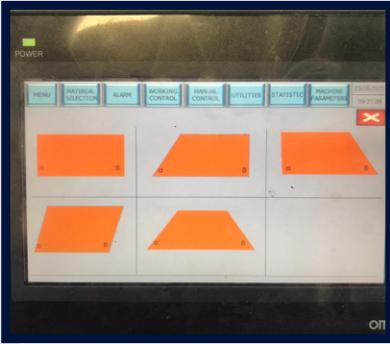
SWARF WHEEL



HYDRAULIC VICE



INVERTER



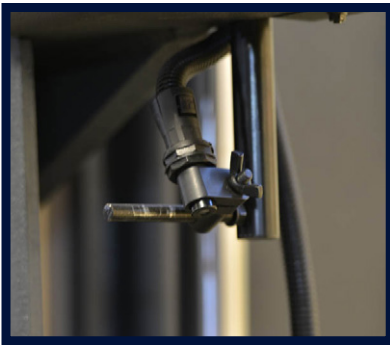
OMRON CNC CONTROLLER



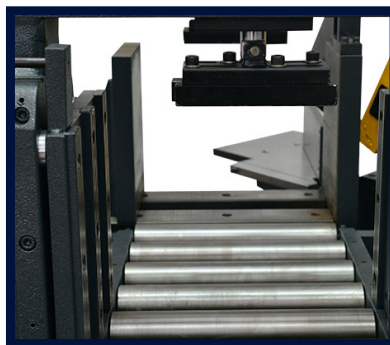
HYDRAULIC FEEDING VICE



MITRE ANGLE DIGITAL READ OUT



LASER LINE ILLUMINATION (OPTIONAL)



HYDRAULIC TOP CLAMPING (OPTIONAL)



SPRAYMIST (OPTIONAL)

TECHNICAL SPECIFICATIONS

MODEL		STC440 DGAR CNC					
Capacity		0°	30°	45°	60°	-30°	-45°
○	mm	440	440	440	325	440	425
□	mm	440	440	440	325	440	425
▭	mm	640 x 440	605 x 440	495 x 440	325 x 440	545 x 440	425 x 440
Bed Height	mm	855					
Blade Size	mm	6000 x 41 x 1.3					
Cutting Speed	m/min	20 - 100					
Main Motor	kW	4					
Tolerances	mm	0.1					
PLC Controller		Omron Touchscreen					
Program		Up to 50 Steps					
Stroke Length	mm	1000 / 700					
Remnant Piece (Scrap Length)	mm	290 (Automatic Mode) 55 (Manual Mode)					
Max. Feeding	mm	6000					
Length	mm	1500					
Width	mm	3005					
Height	mm	2200					
Weight	Kg	2000					
Operation		Automatic					
Vice		Hydraulic					