

Bauer SBA CNC Saw and Drill Line



Fully manufactured in Germany, the SBA Saw & Drill Line from Bauer Sägemaschinen, is a cost effective solution for the processing of small to medium components. By building on the 10 years success of their VG450L Automatic Double Mitre Vice Feed Bandsaw, with the addition of a multi axis CNC drilling unit, Bauer have created an extremely versatile and compact line. Sawing and drilling operations in beams, channels and sections can be quickly and easily programmed via the Siemens CNC Control. The drilling unit can be configured with 2 or 3 drilling heads in different axes according to requirements, while options include a marking unit, 10 station tool changers for each drilling head and a higher powered motor for drilling holes up to 34mm diameter.

Features

- Superb German quality
- Cost effective and compact CNC saw & drill line
- Vastly reduces processing times, boosting productivity and reducing cost per part
- Fully automatic Beckhoff industrial CNC control for all machine functions
- Graphic mode for display and selection of mitre cuts
- Material database for different profiles, including dimensions and stock
- Tool database for boring tools, with dimensions and rpm
- Program memory for processed components
- Two USB ports for data import
- Accepts drawings in dxf and csv file formats (convertors available for other file types)
- 9 metre material infeed system with linear guide rail and servo motor
- Fully automatic feeding and clamping of material
- CNC powered double mitre bandsaw – mitres 45° left and 60° right
- CNC drilling system with 2 or 3 heads with linear guides, ball screws and servo motors
- 25mm drilling capacity in mild steel with 2.2 kW motors
- Different drilling axis configurations offered according to requirement

Options

- Extended length of material infeed system – 1000mm increments
- Pusher unit for feeding system
- Hydraulic bundle clamp for feeding system
- Cross transfer tables for feeding system
- Hydraulic bundle clamp for bandsaw
- Powered blade guide adjustment for bandsaw
- 34mm drilling capacity in mild steel with 4.0 kW motors
- 10 station CNC tool change system – available for each drilling unit
- Marking unit - 0.3mm marking depth

Technical Specification

Model	SBA
Sawing Capacities	
Rectangular Section / Beam at 90° (mm)	410 x 580
Rectangular Section / Beam at 45° Left & Right (mm)	410 x 390
Rectangular Section / Beam at 60° Right (mm)	410 x 260
Blade Size (mm)	4450 x 34 x 1.1
Cutting Speed (m/min)	20 - 130
Motor (kW)	2.2
Drilling Capacities	
Vertical Boring Head - Horizontal Travel (mm)	600
Vertical Boring Head - Vertical Travel (mm)	160
Horizontal Boring Head - Horizontal Travel (mm)	320
Horizontal Boring Head - Vertical Travel (mm)	500
Drilling Capacity in MILD Steel (Standard) (mm)	25
Drilling Capacity in MILD Steel (Optional) (mm)	34
Drilling Speed (RPM)	140-1450
Motors (kW)	2.2
Motors (Standard) (kW)	4.0
General Specifications	
Length of Feeding System (mm)	9000
Maximum Stroke Length (Standard) (mm)	8000
Maximum Stroke Length (With optional pusher) (mm)	6000
Feeding Speed (m/min)	0-10
Bed Height (mm)	930
Length (approx) (mm)	13000
Width (approx) (mm)	2500
Height (approx) (mm)	2500
Weight (approx) (mm)	4000