



Birch EMS Saw

The Trusscut Saw is an automated machine, designed to simplify cutting of timber components especially for trussed rafters in timber buildings. It is an up cutting single circular bladed saw operating with 3 CNC axis and powered In-Feed system.

Software Operation System

The controlling software has been designed in response to customer feedback, it requires very little operator training even to people who do not use computers. It will interface with any nail plate system software programs.

Data Input

The saw can be linked via a network to the truss design PC and accept cutting data directly from the compiled job files. Alternatively data can be transferred from USB memory stick via the machines USB Port which is protected by an industrial dust proof cover, or data can be input manually via the large touch screen from a cutting sheet.

CNC Control

There are 3 CNC controlled axis, Angle, Centreline and Length.

When the saw is operating in automatic mode, the angle and centre line are immediately set to cut the first component listed on the imported job file.

The length will move to its positions at a touch of a button, time taken to travel 6 metres is 8 seconds. This time will be less if the overall length is less than 6 metres.

Feed System

The robust In-Feed and Out-Feed systems are both fitted with two timber clamps. One of the In-feed and both of the Out-feed clamps fully retract when in the off position this makes the loading and offloading operation easier.

All the clamp shafts, clamp guide rods and pneumatic cylinder rods are made of stainless steel and the guide bushes are Teflon lined. This eliminates any lubrication or rust problems and renders them maintenance free.

Safety

The machine has been designed to conform with the European safety standards and has been typed tested and certified, every machine bears the "CE" mark.

Environment Control

Dust extraction outlets are fitted for easy connection to your dust extraction system.



AV Birch Limited Aldenham Business Park, Muckley Cross, Bridgnorth, Shropshire, WV16 4RR
 T: +44 (0) 1746 714418 | M: +44 (0) 7766 300008 | E: scott@avbirch.co.uk | www.avbirch.co.uk



ACCESS EQUIPMENT ENGINEERING TIMBER ENGINEERING LIFTING & HANDLING SEALS & HYDRAULICS HYDRAULIC PRESS AUTOMATION

Birch EMS Saw

OPERATIONAL SPECIFICATION

Angulation Increments	CNC +/- 0.1
Centre Line Increments	CNC +/- 0.5 mm
Length Increments	CNC +/- 1 mm
Angulation Movements	Up to 180 degrees (0 - 90 - 0)
Centre Line Movement	0 mm to 150 mm
Timber Length	20 mm to 6000 mm
Maximum Timber Depth	300 mm
Maximum Timber Height	160 mm
Data Input	Networked, USB Memory Stick or Manual



Advantages of the CNC Truss cut Saw:

Easy to operate

Fast set up times

Very accurate

- For consistent and repetitive production

More productive

- A very significant increase over conventional single bladed saws without CNC controlled axis.

Versatile

- Off-set centrelines on one or both ends of the timber or differing centrelines on ends of timber.

Long cuts

- Scarf cuts of up to 1400 mm long

Accountability

- Full productive analysis

Reliable

- Solid, field proven construction

Economic to run

- Extremely low maintenance, no service contracts required

Economic to buy

- Short payback time

Safe to operate

Contact AV Birch Timber Engineering for more information.

AV Birch Limited Aldenham Business Park, Muckley Cross, Bridgnorth, Shropshire, WV16 4RR
T: +44 (0) 1746 714418 | M: +44 (0) 7766 300008 | E: scott@avbirch.co.uk | www.avbirch.co.uk



ACCESS EQUIPMENT ENGINEERING TIMBER ENGINEERING LIFTING & HANDLING SEALS & HYDRAULICS HYDRAULIC PRESS AUTOMATION