



Addison Saws Ltd, Attwood Street, Lye, Stourbridge, West Midlands, DY9 8RU



T1 NC Fully Automatic Plate Saw

Worldwide a very popular and widely sold super heavy-duty plate saw for precision high production sawing of aluminium slabs and composite materials, using TCT or PCD diamond sawing products. For a very competitive price the JIH T1 offers unbeatable levels of consistent performance, standard equipment and above all industry proven reliability.



Key machine features

- NC powered indexing of stock to programmed cut lengths
- Indexing System Equipped with Hydraulic Grippers to Secure the Plate
- Automatic loading of stock material
- Non marking Japanese ball tables for easy heavy stock movement
- Patented design double gear rack for saw transmission wit 3.5kw servo
- NC setting of the sawblade height using ball screw and servo
- 46hp main drive motor
- Patented design Chain design chip conveyor
- 3 x twin bag 7.5hp vacuum extraction units
- Auto detection of the material width to avoid collision
- Variable blade rotation speed with inverter
- Touch screen HMI (optional software to office program using CSV file format)



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Saw Head

Incredibly strong drive system using a 46 HP motor facilitating maximum cutting force and chip removal. The additional power extends the life of the saw blade between regrinds. The saw blade speed is 1000 to 2800 RPM. The Saw Head is mounted on extra-large precision linear guideways.

Saw Carriage Drive Motor

Driven by a powerful servo motor giving the saw operator precise control over the feed rate. The saw carriage transmission is via a gear rack system. The retract speed of the saw head is 197 FPM. When the saw completes a cut, the rapidly carriage moves down below the table on a ball screw so it can retract to its home position.

Clamping

The machine is equipped with hydraulic clamping to ensure the aluminium stock safely secured throughout the cutting process. The height of the vertical clamps that cover the entire cutting area are adjusted on ball screws

Material Indexing System

The machine's automatic material feed system is governed by a patented double gear rack and servo; so each of the outside supports on the feeder have a gear rack and servo system. This system ensures that the stock is indexed accurately. The plates are secured to the feed system using 12 hydraulic clamps.

Sawblade Lubrication

The blade is lubricated via a precise micro-drip system. A small amount of lubricant is introduced to an air line at the point of discharge for control and economical distribution of the saw lubricant.

Safety Guard

The machine has a comprehensive guard system to ensure safety when the saw is in operation. The machine will shut down if the saw operator's hand is in an unsafe place and the machine is in the process of making a cut.

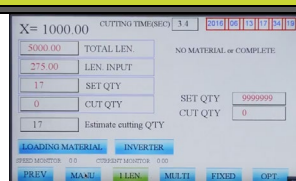
Cutting Zone Guard

The Piano Key style Guard is a sectional device that completely surrounds the saw blade when it is cutting through the material. The dust guard also helps contain chips.

Additional Safety

The Blade access door and other access points are protected via limit switch that will shut down the machine in the case of an open door.

Control



7" colour touch screen HMI
With manual function for random cutting,
Single job program.
Multiple job program with memory for 100 programs each containing 12 different cut lengths/number of pieces.



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Technical		
	Cutting Width	3,750 mm
	Cutting Length	Max. Length 3750 mm, Min. Length 20 mm
	Maximum Depth of Cut(H)	600mm Saw blade maximum cutting height of 174 mm (Optional:660mm saw blade with maximum cutting height of 205 mm)
	Blade Diameter	600mm to 660mm
	Bore Diameter	30 mm
	Speed	1000~2800 RPM(by inverter)
	Main Sawblade Motor	46 HP
	Saw Carriage Drive Motor	2 kw
	Automatic Feed System	Automatic feeding length 3750 mm And automatic feeding fixture:10 seats (Automatic feeding effective stroke 3.75meters)
	Automatic Feeding Servo	3.5 kw
	Table Area	Chromium coating steel (with universal ball)
	Outfeed Roller Table	Universal auxiliary table 1.5m × 4 seat
	Working Air Pressure	4-6 kg / cm ²
	Table Height From Floor	1,100 mm
	Machine Dim. (L x W x H)	7,628 mm x 7,213 mm x 2,300 mm
	Packing Dim. (L x W x H)	11,920 mm x 2,290 mm x 2,430 mm
	Net / Gross Weight	12,000 kgs/12,650 kgs

Optional equipment	
Software to produce cutting lists on office PC in CSV file format	