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RUTILE 350/400/450/500 Automatic single-sided edgebander

EN



Rutile Edgebander Series

Automatic single-sided edgebander



TOUGH CUT

ToughCut Rutile series is ideal for companies who require flexibility and economy.

Rutile edgebanders offer consistent performance, superior reliability with easy to use and uncomplicated adjustments.

The solid machine chassis combined with heavy duty stations provide a high level of precision in the finished work piece.

The accuracy of position is paramount in providing an impressive finished product.

Features

Workpiece Infeed Stop



An automatic pneumatic cylinder on the infeed prevents panels being fed incorrectly.

Pre Milling Diamond Tooling



Two milling cutters with diamond tools rotating in opposing directions, ensure a precise machined edge for tear-free edges.

IR Lamp



For an improved edge adhesion when processing cold workpieces.

Glue Application Unit



The Teflon coated glue pot ensures non-stick, easy clean from glue residue, reducing down-time in cleaning and maintenance. Automated glue control prevents glue from burning when machine is in standby, thus preventing glue carbonisation and ensuring energy efficiency.

Safety Infeed Guard



Safety guard with micro switch prevents incorrect workpiece thickness and ensures optimal safety for user.

Edgebanding Roll Support



Edgebanding roll support up to 750mm diameter via roller bearings.

Extendable Workpiece Support



Stable workpiece support extends up to 800mm without any additional floor support.

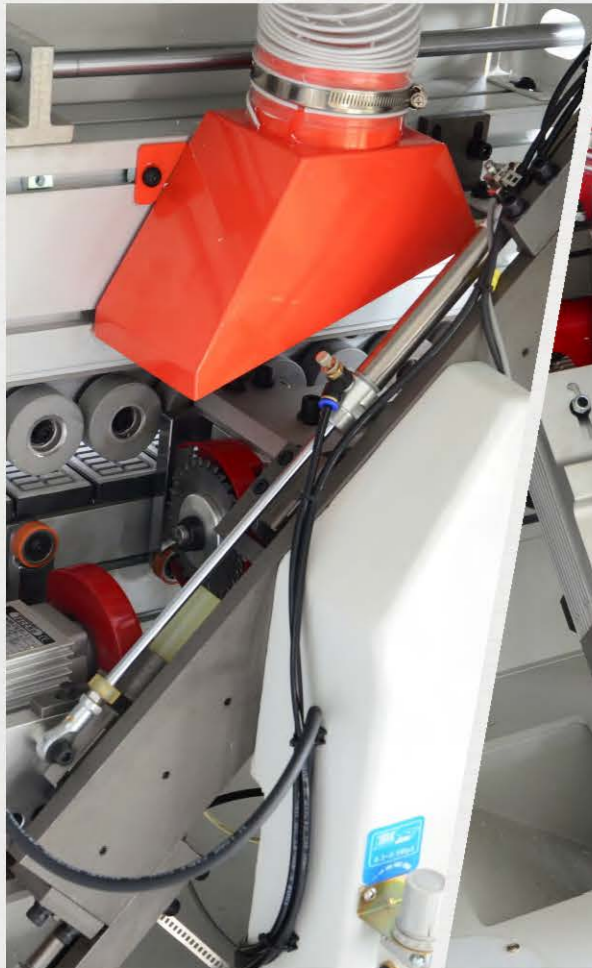
Touch Screen Control



User friendly touch screen control and interface ensures quick and easy execution of customised working programs.

Features

End Cutting Unit



With two independent high frequency motors to cut the front and rear edge. Each operating motor is equipped with copying device for an accurate positioning of blades in relation to the cutting point.

Flush Trimming Unit



Equipped with two independent high frequency motors with diamond tooling mounted on a support firmly fixed to the frame to carry out the trimming of the bottom/top exceeding edge. Each motor is equipped with vertical rotation copying devices and front copying pad, easy to read digital adjustment and accurate positioning of tools with reference to the trimming.

Corner Round



Fitted with diamond tooling the two motor corner rounding unit can process the panels at high speed.

Radius Scraping Unit



For the finishing of PVC/ABS edges. Excellent vibrationfree finish thanks to its high rigidity structure. High working precision thanks to the front and vertical copying discs, which ensure an accurate positioning of the knives in relation to the cutting point. The unit is complete with 2 mechanical digital readouts to make easy adjustment of the front copying pads and cutters.

Flat Glue Scraper



The manual adjustable scraper knives ensure a perfect finish on the panel surface.

Mist Sprayer



With cleaning sprayer unit that dispenses liquid spraying agent to ensure optimal buffing and cleaning.

Buffing Unit



With 2 independent motors for the buffing/polishing of the edge.

Central Dust Extraction

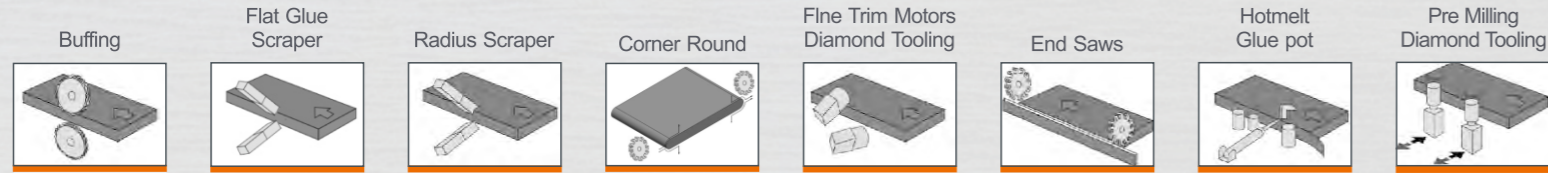


Central dust extraction connection for post-machining units, Dia. 150 mm.

TOUGH CUT

Specification

Standard Equipment



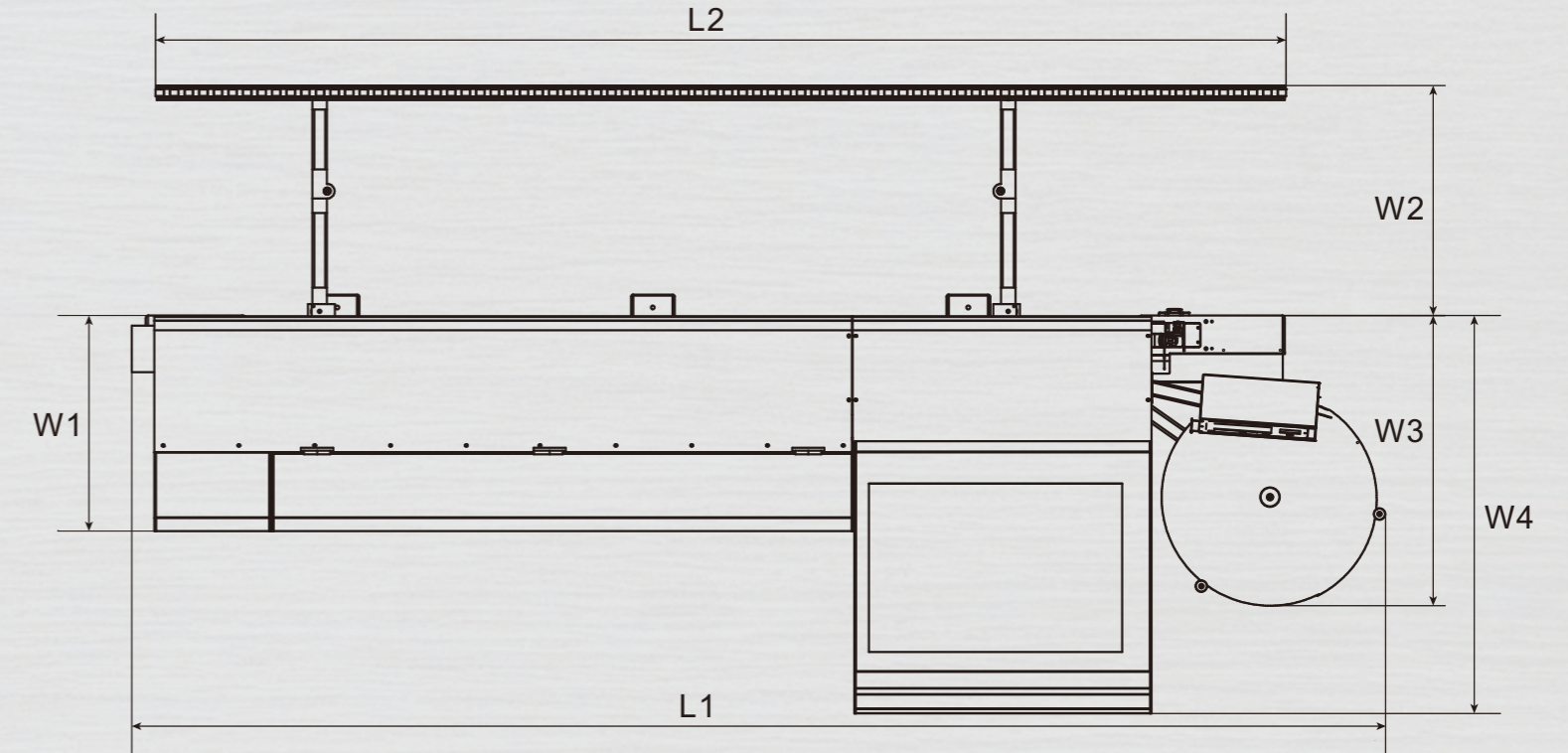
	Buffing	Flat Glue Scraper	Radius Scraper	Corner Round	Fine Trim Motors Diamond Tooling	End Saws	Hotmelt Glue pot	Pre Milling Diamond Tooling
Rutile 350	●		●		●	●	●	
Rutile 400	●		●	●	●	●	●	
Rutile 450	●		●		●	●	●	●
Rutile 500	●	●	●	●	●	●	●	●

Technical Data

	Rutile 350	Rutile 400	Rutile 450	Rutile 500
Panel thickness	10-60 mm	10-60 mm	10-60 mm	10-60 mm
Edge thickness	0.3-3 mm	0.3-3 mm	0.3-3 mm	0.3-3 mm
Feed speed	12/15/18 m/min	12/15/18 m/min	12/15/18 m/min	12/15/18 m/min
Panel thickness	12-60 mm	12-60 mm	12-60 mm	12-60 mm
Panel width	80 mm	80 mm	80 mm	80 mm
Min. workpiece length	120 mm	120 mm	120 mm	150 mm
Compressed air required	6bar	6bar	6bar	6bar
Motor Power	8kW	9.5kW	13.1kW	16.5kW
Dust extraction Dia.	150 mm	150 mm	150 mm	150 mm
Total machine weight	1480 Kgs	1950 Kgs	1950 Kgs	2185 Kgs
Packing size	4000*900*1550 mm	5100*900*1550 mm	4800*900*1550 mm	6200*900*1550 mm

TOUGH CUT

Machine Footprint



	Rutile 350	Rutile 400	Rutile 450	Rutile 500
L1(mm)	4308	5460	5060	6662
L2(mm)	3878	5028	4628	6170
W1(mm)	725	725	725	725
W2(mm)	816	816	816	816
W3(mm)	844	844	844	844
W4(mm)	1345	1345	1345	1345

WHO WE ARE

The TOUGH CUT brand was founded in Perth, Western Australia in 2017 by Tony Mirabile. The TOUGH CUT brand designs, manufactures and markets a range of high quality machinery for wood and other materials for furniture, joiners, cabinet manufacturers and other woodworking manufacturers around the globe. Inspired by the Western Australian owned "Tough" family brand, which was synonymous with engineering and production of high quality castings, machinery and equipment from 1912 to 1991. Tony decided on producing a range of TOUGH CUT equipment to be better than the best.

Tony has used Tough equipment in his own cabinet making shop since 1974 and drawing on his own furniture making skills along with extensive 30 plus years of sourcing and importing equipment from around the globe. Tony has employed this experience and knowledge of markets and preferences, to embody and amplify it in the brand TOUGH CUT. TOUGH CUT represents all of the MIRABILE family values of hard work, dedication strength and commitment.



Western Australia is renowned the world over for its mineral richness - some of the largest natural occurrences of iron ore. Australia is a leading producer of minerals for the world and produces 19 minerals in significant amounts from nearly 400 operating mines. Western Australia provides all the vital ingredients for producing modern, high quality, high tensile metals. Australia is the world's leading producer of bauxite, ilmenite, iron ore, rutile and zircon; the second largest producer of gold, lead, lithium, manganese ore and zinc; the third largest producer of uranium; the fourth largest producer of black coal (also the largest exporter), nickel and silver; and the fifth largest producer of cobalt, copper and diamond.

TOUGH CUT embodies the Australian robustness, producing modern, high tech professional equipment that embraces design, technology and materials, embellished by over 35 years of knowledge of modern market, from Bauxite to Zircon to Rutile and of course Diamond.

TOUGH CUT machinery is the true essence of robust quality machinery.

