

## Product data sheet

### 1550 Diamond Edge Polisher

The 1550 is a high-quality diamond polishing machine, which can process materials up to 50mm in thickness. The machine converts a sawn edge of plastic material to a highly polished gloss. Alternative cutters are also available to produce a smooth satin finish.



## Description

The 1550 consists of a high-quality grinding spindle fitted with a balanced cutter hub with diamond tipped tooling. The spindle has a maximum speed of 20,000rpm, and is driven by a motor with electronic speed control. Material to be polished is loaded onto the infeed track, and guided across the cutter by a self-adjusting belt feed system. The infeed and outfeed tracks are fabricated into a single structure that is precisely machined and ground to ensure consistency over many years of operation. While traversing across the cutter itself, our unique cutter

cover ensures accurate alignment of the panel, even on short pieces.

The 1550 can accommodate a maximum material thickness of 50mm, and thinner panels can be stacked for maximum output. The feed mechanism allows panels of any length to be processed, while for tall panels optional support rollers are available. The average transport speed is 0.8 – 1 metre per minute.

The cutting process generates small chips of material, and these are extracted from beneath the cutter into an external extraction unit.

As with any cutting tool, the cutter hub of the 1550 will eventually become blunt and the polish quality will deteriorate. We offer a service exchange scheme so that, when this happens, you contact us and we will send you a replacement hub with fresh tools. Once this is received the original hub is returned to us for servicing ready for the next customer. We have run this service-exchange system for over 20 years and find it a very effective way of ensuring that customers are never waiting for replacement cutters to arrive.

## Specifications

Voltage	230V 50-60Hz
Max Current	9 Amps
Maximum Material Thickness	55mm (50mm + 10%)
Material Removed per Cut	0.75mm
Dimensions	238 x 58 x 92cm
Weight	410kg