



## Introduction to the 1525 Diamond Polisher

Diamond Polishing is used to convert the edges of thermoplastic sheet material to a brightly polished surface in one operation.

On the 1525, polishing is carried out by a cutter hub fitted with diamond tooling. The cutter hub is mounted onto a variable speed precision spindle that rotates at 12000 – 20000rpm.

Feed tracks on either side of the cutter hub accurately guide the material over the cutter, which is also fitted with our unique cutter cover to improve surface quality. A belt transport system feeds the material across the cutter at around 1 metre/minute. The transport system automatically compensates for the thickness of material being processed, and thinner panels can also be stacked together up to the capacity of the machine.

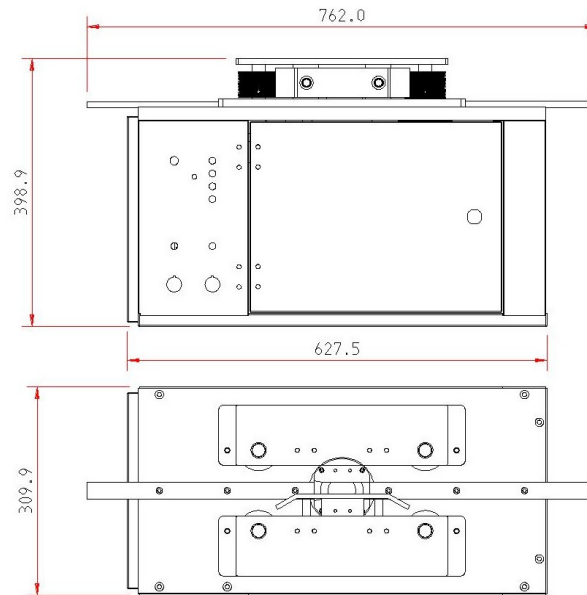
## Extraction

The cutting process produces fine plastic swarf, which must be extracted from the machine. The 1525 is fitted with a 50mm diameter extraction outlet which can be connected to any extraction system. A dedicated extraction unit (Part Number 1525E) is also available.

## Cutter Hubs

The 1525 is supplied with a gloss finishing cutter hub (Part Number 1525/60) as standard. A satin finish cutter hub (Part Number 1525/60M) is also available as an option. The servicing of cutter hubs is a specialized operation, and we offer a service exchange scheme to ensure that all customers have the best service. When the cutter hub needs to be changed, contact us and order a replacement. Once this has been received, change the cutter hub and return the old one to us. This is a fixed-cost service as long as there is no damage to tooling. Customers who are working continuously should consider purchasing spare cutter hubs so that a spare is always available.

## Machine Dimensions (mm)



## Specifications

Voltage 230V 50-60Hz  
Max Current 8 Amps

Maximum Material Thickness 25mm  
Minimum Material Thickness 3mm  
Maximum Panel Size 1000 x 1000mm  
Minimum Panel Size 75 x 75mm  
Amount of Material Removed 0.5mm per pass

Dimensions (Packed) 82 x 46 x 49cm

Weight (Bare Machine) 55kg  
Weight (Packed) 65kg

**CR CLARKE**

Unit 3, Foundry Road, Ammanford, Carmarthenshire, SA18 2LS  
Tel: +44(0)1269 590530, Fax: +44 (0)1269 590540  
[WWW.CRCLARKE.COM](http://WWW.CRCLARKE.COM)