



**CR Clarke**

Technology for Today's Plastics

Product Data Sheet

1525 Diamond Polisher



**Abbeon Cal, Inc.**

Industrial Plastic Working Equipment & Precision Instruments

Abbeon Cal, Inc., 1363 Donlon Street Unit 1, Ventura, CA 93003-8387  
800-922-0977 www.Abbeon.com. E-mail: abbeoncal@abbeon.com

# 1525 Diamond Polisher

The 1525 Diamond Edge Polisher will convert the sawn edge of a piece of plastic material into a high-gloss polish in one operation. Our machine uses two diamond cutting tools mounted into a precision balanced steel cutter hub, ensuring minimal vibration even at the maximum cutter speed of 20,000rpm. The cutter hub is mounted onto a motorised spindle with electronic speed control, allowing the operator to vary the cutter speed for differing material characteristics.

Materials from 2 to 25mm in thickness can be loaded onto the infeed track of the machine, and are fed across the cutter hub by the auto-adjusting, variable speed belt feed system. The belt feed system ensures that longer panels can be processed, while our unique cutter cover that extends the feed tracks over the cutter ensures that short panels are polished accurately and consistently. The belt feed system also allows sheets of thinner materials to be polished as packs, maximising throughput. On average, the 1525 will produce 1 metre of polished material per minute.

The cutting process generates fine chips of material, and these are extracted from beneath the cutter to an external extraction unit. The extraction port of the machine can either be connected to our 1525E Extraction Unit or any other suitable extraction system.

## 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)	820 x 460 x 490mm
Weight	65kg

As with any Diamond Polishing machine, the cutter hub of the 1525 will eventually lose its edge and the polish quality will deteriorate. We offer a service exchange system so that, when this happens, you simply contact us and we will send a replacement cutter hub with fresh tools. Once the cutter hub is swapped over the original hub is returned to us for servicing ready for the next customer. Spare cutter hubs are available for high-volume users that need instant access to replacement cutters, and matt hubs are also available. These are ideal for finishing frosted materials and also for edges that require bonding.

## Machine Dimensions (mm)

