



## Introduction to the 1575 Diamond Polisher

The new 1575 Diamond Edge Polisher from C R Clarke and Co allows users to obtain crystal clear finishes on plastics up to 1500mm long, and up to 125mm thick. Material to be polished is clamped firmly to the work table of the machine, giving maximum support and rigidity. Multiple pneumatic clamping cylinders give the ultimate in workholding for most sizes of component, with adjustable clamping pressure for delicate parts. Vacuum clamping chucks are also available to order for pieces that cannot be held mechanically.

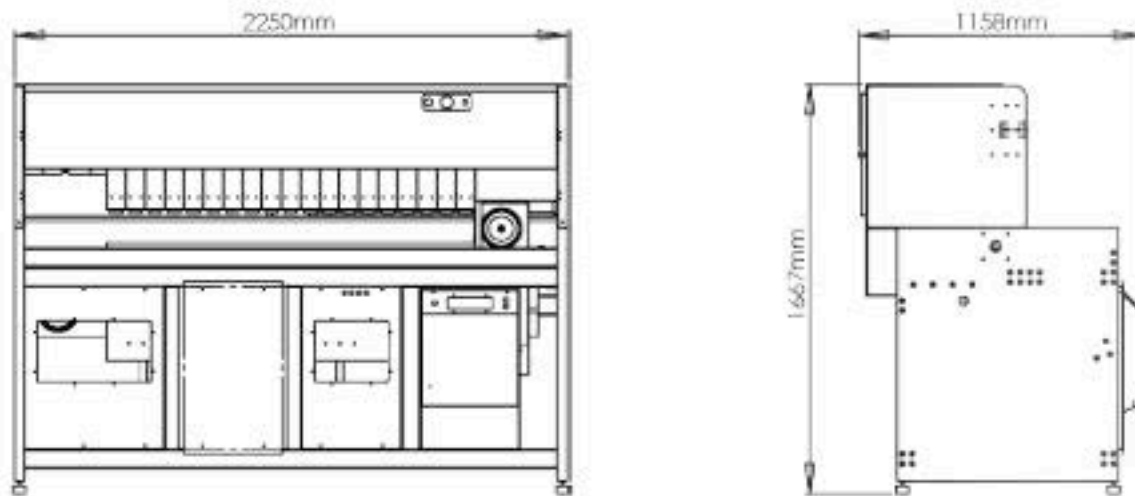
The diamond tipped cutter hub is mounted onto an inverter controlled, high frequency spindle. The cutter assembly runs across the material on precision linear rails, giving a smooth and accurate polish. Cutter hubs are available in either full gloss or satin versions.

The 1575 can be adjusted to remove from 0.5 to 1.25mm of material per pass.

Cutter speed and traverse rate are controlled through a PLC (programmable logic controller), with a panel mounted LCD display giving feedback to the operator at all times. All of these adjustments can be made "on the fly", reducing the setup time between jobs.

Extensive field trials have been carried out to ensure the reliability and performance of the 1575. Should you wish to have a demonstration of the machine, or see samples produced on it, please do not hesitate to contact our Technical Sales staff.

## Machine Dimensions



## Specifications

Voltage	230V 50-60Hz
Max Current	10 A
Amount of Material Removed	Adjustable from 0.5 to 1.25mm, at 90°
Spindle	High Speed Spindle with belt drive and 0.75kW motor Variable speed with max Spindle Speed 15,000rpm
Cutter Hub	200mm diameter Available in gloss or satin finish
Traverse	Spindle assembly traverses on linear rails with variable speed DC belt drive
Clamping	Material is clamped down onto a rigid aluminium work table with 19 air cylinders. Integrated guards come down with the clamps to protect the operator
Cycle	Machine has a PLC controlled cycle from clamp to unclamp
Extraction	External extraction unit (supplied with the machine)
Dimensions	2250mm x 1040 x 1750mm
Weight	750kg

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