

The Grinding Principle

PPC's industrial grinding machines are designed for precision, control and safe operation. The grinding process is provided by diamond tungsten or resin bonded plates which are secured to singular or multiple heads and rotate in a circular motion.

There are numerous plates from which to select the correct combination for smoothing, preparing, polishing or cleaning applications. The heads are fully enclosed for safety and a dust extraction port provides 'dust free' operation.

PPC's Grinding machines are built for high performance and can be used for wet and dry applications.



Product Range

Single Head Grinders

An innovation in product design, the Liberator 250TP single phase 110v grinder has dual motor technology and the power to match the performance and capabilities of 3 phase models.

The Liberator 250 Grinder (available in 3 phase electric or petrol) is designed for heavy duty applications, whilst delivering exceptional balance for optimum results.

Multi-Head Grinders

The Preparation Group are sole agents in the U.K. and Ireland for Terrco® Inc., providers of the most robust, efficient grinding & polishing equipment on the market. There are four machines in the range: 701-S, 2000, 3100 and 6200. Each features a "quick release" diamond system requiring no tools and delivers precise, uniform results.

Machine	Size H x L x W mm	Power	Motor	Weight
Liberator 250TP	1080x1360x750	110v/single phase/32 amp	2 x 2.2kW	275kg
Liberator 250 - electric	1200x1200x300	415v/3 phase/32amp	5.0kW	200kg
Liberator 250 - petrol	1200x1200x300	9hp	7.5kw	220kg
Terrco® 701-S	953x1435x692	415v/3 phase/32amp	5.6kW	363kg
Terrco® 2000	1219x1715x610	415v/3 phase/32amp	15kW	507kg
Terrco® 3100	1321x1835x749	415v/3 phase/63amp	18kW	646kg
Terrco® 6200	1372x2032x1397	415v/3 phase/63amp	30kW	1043kg



Technical Support & Order Line: +44(0)1522 561460

Applications





- Wet or dry grinding
- Grinding concrete, asphalt, stone & tiled surfaces
- Removal of paint
- Removing adhesives & sticky compounds
- Polishing concrete, terrazzo, granite, marble & stone
- Removing rubberised compounds, latex and coatings

For Health & Safety information visit:
www.thepreparationgroup.com



Accessories

A selection of the accessories that are available:

For Liberator 250TP/250	
Metal Bonded Discs (20 segment): Yellow – General Purpose Red – Hard Materials / Fast Grinding Blue – Soft Materials and Long Life	
PCD Plates (Polycrystalline Diamond): For adhesive removal. Twin segment - for thick adhesive and coating removal e.g. carpet backing Triple segment - for thin adhesive and coating removal e.g. latex.	
For Terrco® Range	
Metal Bonded discs: For heavy duty grinding – range of bonds from hard to soft and from 16 to 80 grit	
Resin Bonded discs: For light grinding and polishing – range of bonds from hard to soft and from 50 to 6,000 grit	

We supply a variety of shoes for grinding, polishing and stripping a wide range of surfaces to suit most makes of grinding machines on the market.

Guide to selecting discs

The materials used in the construction of floors and walls vary considerably. The geographic location of the project provides an insight of regional materials used and must always be considered when selecting diamond accessories to prepare surfaces.

A simple equation is to examine the type of surface being treated. A hard composition surface will require a soft bond segment and a soft composition surface will require a hard bond segment.

In each instance the selection of the correct accessory will optimise the life of the diamond disc and provide cost effective solutions for the designated project.

In the event that the incorrect grade of diamond is selected the disc will simply glaze over the surface not creating the correct cutting actions, or “wear out” extremely quickly and often in the initial stages of the operation which proves to be costly and unsuccessful.

The Preparation Group’s technical support team is available to advise and recommend the correct combination of accessories for your specific project.