

To successfully grind large floor areas, a heavy duty floor grinder is required. The DFG 500 gives complete operator control and, at the same time, has the correct weight to act directly onto the grinding plates to facilitate accurate and rapid grinding

The unique design of the DFG 500 has two ballast weights that can be removed, together with precise adjustment of the fulcrum for the rear wheels, allows for perfect grinding in all types of situations. Environmental considerations are fully controlled with an adjustable dust skirt for dry use and a facility for using water when wet grinding. Noise is kept to a minimum by use of high power 3 phase electric motors and drive belt systems.

The DFG 500 is manufactured to a high specification and operates using two grinding heads. A hydraulic raise and lower facility is easily operated by push button switches mounted on the handle bars. The net weight is in excess of 300kg but one operator can easily control the machine.

Low operational noise, little or no impact vibrations, consistent diamond wear rates, and ease of operation make the DFG 500 an excellent choice for economical and productive floor grinding.

Twin Speed Option

The DFG 500 is also produced in a twin speed version, giving operation speeds of 700 and 1400rpm. The slower speed being designed and introduced for the grinding of terrazzo and marble applications when using the SPE polymer diamond system. Optional higher rpm head speeds are available upon request.



| Specifications | | |
|--------------------|----------------------|------------------------|
| Type | Electric | Electric Twin Speed |
| Part Number | DFG 500-1 | DFG 500-2 |
| Power Output | 2 x 5.5kw | 2 x 4.5kw 2 x 3.2kw |
| Voltage | 400 | 400 |
| Cycles | 50hz | 50hz |
| Head Speed | 1400rpm | 700/1400rpm |
| Motor Speed | 2800rpm | 1400/2800rpm |
| Machine Dimensions | | |
| Length | 1400mm (55.1") | 1400mm (55.1") |
| Width | 725mm (28.5") | 725mm (28.5") |
| Height | 1100mm (43.3") | 1100mm (43.3") |
| Weight | 300kg (661lbs) | 300kg (661lbs) |
| Ballast Weight | 2 x 20kg (2 x 44lbs) | 2 x 20kg (2 x 44lbs) |

Features

- Push button hydraulic raise and lower facility
- Anti-vibration handle bar mounts
- Screw type handwheel allows machines to be accurately set to the surface
- 50mm (2") dust extraction port
- Dust free when operated with SPE 316 Vacuum

Applications

- Removal of dry crystalized (ATA) and wet adhesives
- Slurry grinding on water miscible products
- Provides superb preparation profile for thin film coatings (eliminates shadowing)
- Accurate grinding of large concrete areas
- Re-profiling of old concrete floors
- Removal of old coatings and contaminants
- Grinding and finishing of resin based terrazzo



| Electrical Requirements | | | | | | |
|-------------------------|-------|-----------|-------------------|------------------|-------------|-----------|
| Machine | Volts | Plug Size | Cable Size | Max Cable Length | Transformer | Generator |
| DFG 500-1 | 400 | 32A 5 Pin | 6mm (0.3") 4 Core | 75m (246') | - | 20 kva |
| DFG 500-2 | 400 | 32A 5 Pin | 6mm (0.3") 4 Core | 75m (246') | - | 20 kva |