

The DFG 700 Triple Head Planetary Floor Grinder has been developed to meet the increasing demand for this principle and grinding materials to a finished product

The DFG 700 has all the benefits of the popular single and twin head DFG machines but also allows the operator to grind large areas to a fine finish, eliminating swirl marks that can be left by conventional grinding methods. The main drive plate is driven through a heavy duty gearbox and each grinding tool is then turned independently at an increased RPM. The DFG 700 has a variable speed control device to suit numerous applications. Environmental considerations are fully controlled with an adjustable dust extraction skirt for dry use and a facility for using water when wet grinding. A major advantage of the DFG 700 is the standard option of a 3 phase electric motor, or gasoline/diesel engine (on request) - provisioning for outdoor use or when electrical power may not be available.

A single speed option is also available for general surface preparation applications.

| Specifications | | |
|---------------------|---------------------|---------------------|
| Type | DFG 700 | |
| Part Number | DFG 700-1 | DFG 700-2 |
| Power Output | 14.7hp/11kW | 14.7hp/11kW |
| Voltage | 400/460V | 400/460V |
| Cycles | 50/60Hz | 50/60Hz |
| Head Speed | 3 X 180rpm/400rpm | 3 x 400rpm |
| Motor Speed | 2800rpm | 2800rpm |
| Machine Dimensions | | |
| Length | 1570mm (61.8") | 1570mm (61.8") |
| Width | 680mm (26.8") | 680mm (26.8") |
| Height | 700mm (43") | 700mm (43") |
| Weight | 292kg (642lb) | 287kg (631lbs) |
| Pivotal Weight | 2 x 20kg (2 x 44lb) | 2 x 20kg (2 x 44lb) |
| Water Tank Capacity | 32.5L (8.8 US gal) | 32.5L (8.8 US gal) |

Applications

- Accurate grinding of concrete surfaces
- Re-profiling of old concrete floors
- Removal of old coatings and contaminants
- Grinding and finishing of resin based and tiled terrazzo
- Provides ideal preparation for thin film coating
- Concrete polishing



Features

- Heavy duty gearbox drive system
- Grinding heads supported by multi-directional flexible coupling
- Variable grinding speed (DFG700-1)
- Robust construction
- Anti-vibration handle bar mount
- Quick release drive plate system
- Pivotal weights
- Can be used with conventional DFG Diamond Plates
- 75mm (3") Dust extraction port
- Dust free when used with SPE dust collector



UK & Europe Electrical Requirements (Plug and cable sizes available for other countries, please enquire for details)

| Machine | Voltage | Plug Size | Cable Size | Max Cable Length | Transformer | Generator |
|------------------------|---------|-----------|------------|------------------|-------------|-----------|
| DFG 700-1 DFG 700-2 | 400V | 32A 5 Pin | 6mm 4 Core | 75m (246') | - | 20 kVA |