

### Powerfin 1900WET Series



The **RJH POWERFIN 1900WET** is a heavy duty through-feed belt grinder which can be used wet or dry to process a wide range of flat components. Typical applications include deburring, commercial polishing and the specific “graining” of materials. The Powerfin 1900WET complies with the European Machinery Directive. All RJH industrial machines carry a 12 month warranty and are supplied with an operating manual.

#### KEY FEATURES

- Single and variable speed motors available
- Positive component height adjustment with mechanical digital readout
- Manual belt tracking and pneumatic belt tensioning
- Hold down rollers for long components
- Variable speed conveyor
- Individual process start control
- Positive contact wheel support
- Quick action belt change
- Dedicated spray bar system
- Rubber gaiter on screw jack spindle
- Internal hood light and viewing point through door to see belt position
- **Water tank** - see features overleaf
- Supplied with one standard belt and contact wheel

#### SAFETY FEATURES

- Motor braking system
- Electrical interlock on main door
- Fully enclosed guarding for maximum safety
- Hand safety trip on conveyor input
- Air pressure switch, working air pressure 50/60PSI
- Indicator power light
- Individual start buttons illuminated when on
- Ammeter for visual loading of machine
- Emergency stop
- Integral dust collector drawing from edge of contact wheel
- 125mm diameter extractor spigot

#### OPTIONAL REFINEMENTS

- Dust extraction system\*
- Variable speed belt motor\*
- Two-speed conveyor\*
- Magnetic base\*
- Forward/reverse rotation of grinding belt for small components\*
- Special configurations considered\*

\* Please note that these items are factory fitted at the point of manufacture



**Powerfin 1900WET**



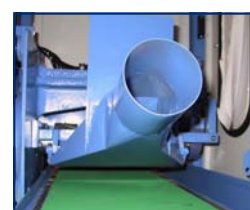
Machine In-Use



Gate Closed in Running Position



Gate Open to Accept Belt



Dust Extraction Outlet



Spray Bar System

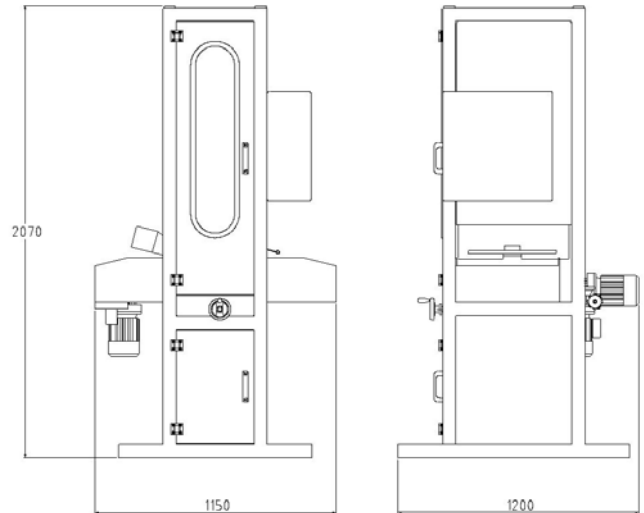
### Powerfin 1900WET Series - continued..

#### Water Tank & Filter System:



- Large capacity water tank with drain point
- Water drip tray on door
- Water tray underneath door frame to recirculate water back to return tank
- Plug and socket on recirculating pump to disconnect tank from the machine for emptying
- Water tank upgrade with weir construction, 3 filter system and pump, top slide filter and manually operated paper roll

#### Dimensions:



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#### Specification:

MODEL	VG70193050
Drive Motor	4kw
Conveyor Motor	0.33kw
Motor Speed	1440rpm
Electrical Supply	400V/3ph/50Hz
Belt Size, width x length	300 x 1900mm
Contact Wheel Size, diameter x width	100 x 300mm
Belt Speed	7.5m/sec
Conveyor Belt Speed	2.5m/min to 12.5m/min
Maximum Component Height	100mm
Minimum Component Length	135mm
Conveyor Height from floor	880mm
Dimensions, width x depth x height	1150 x 1200 x 2070mm
Weight	370kg