



BVPRODUCTS

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WF200 SERIES VIBRATORY WHEEL FINISHING MACHINES

DESCRIPTION :

The WF200 wheel finishing machine is a dedicated for achieving a highly polished finishes on automotive wheels. The compact wheel finishing system is ideally suited for surface grinding, smoothing and polishing small batches of high-value automotive wheels with a diameter of up to 22". Easy operation and quick media change capabilities help produce a repeatable mirror finish within a 10 hour cycle.

TECHNICAL HIGHLIGHTS :

Work Bowl: Heavy duty steel fabrication lined with highly wear resistant, hot cured polyurethane nominally 25 mm in thickness. **Specially designed, heavy duty vibratory motors** with a maximum speed of 3000 rpm and infinitely adjustable amplitude. **Frequency Inverter:** This allows the vibratory motors to be run synchronised but at different speeds thus providing operation of the machine at differing process parameters and intensities. **The inverter also allows easily reversible motor rotation direction** if the complexity of the parts requires the media mass to flow in different directions. **Fixtures:** The machine can be supplied with a variety of optional fixtures and clamping devices as well as the standard ones supplied for wheel finishing.

SWITCH GEAR :

The machine is supplied with a built in on/off/reverse controller that includes a variable speed process unit.

DRIVE :

Fitted with 3 x 5kW direct drive, foot-mounted, heavy duty vibration motors, designed for use on 415V/3ph/50-60Hz supply.

SPRINGS :

High column strength coil compression type, designed to prevent vibration transfer to the floor.

FASTENINGS :

All major component fastenings are high tensile, grade 8.8. All nuts are fitted with plastic anti-vibration inserts.

SOUND LID :

Every machine can be supplied with a fixed to work chamber sound lid manufactured from machined high density polyethylene material.

CHEMICAL DOSING :

Every machine is supplied as standard with a CM2-WMF automatic chemical and water dosing system to ensure parts are always kept clean and stain free.

KEY FEATURES

- ✓ Wear resistant polyurethane lining.
- ✓ Stainless steel 90° dosing pump for dosing water and compound.
- ✓ Compact design.
- ✓ Drive system with sealed bearings for maintenance-free running.
- ✓ Standard control panel to control machine functions including isolator, on/off controls and timer.
- ✓ Speed control (optional).
- ✓ HDPE Sound/splash lid (optional).
- ✓ Polyurethane drain with 2mm holes.
- ✓ Stainless steel drain (optional).

TECHNICAL SPECIFICATIONS

Capacity	175L (7cu.ft)
	Litres 200
	A 1450mm
	B 920mm
	C 800mm
Overall Dimensions in mm/ inch	D 950
	E 1000
	F 700
	G 475
	H 920
Thickness of Polyurethane in mm	20
Max Motor Power (kW/ rpm)	3 x 1.5/ 3000 or 2 x 1.5/ 3000
Machine Weight (kg)	450

