

Standard Accessories

Optical Scale (For X Axis & C Axis)	Tool and kit × 1Set	Hydraulic Tank × 1Set
Grinding Wheel and Grinding Wheel Flange × 1Set	Carbide Tipped Work Centers × 2 Set	Work Lamp × 1 Set
Diamond Tool Holder (Table Mounted Type) × 1Set	Coolant Equipment × 1Set	

Optional Accessories

Cam Locked Driving Dogs	Magnetic Coolant Separator	Cap Control	CBN Wheel
Work Holder (2 pcs /set)	Paper Filter	Semi-Auto. Grinding Wheel Balancer	CAD / CAM Software
2-point Steady Rest	Automatic Grinding Wheel Balancer	Oil Mist Collector	
Adjustable 3-point Steady Rest	Wheel Balancing Stand and Arbor	Fully Enclosed Splash Guard	
Adjustable 3-jaw Scroll Chuck	Touch Probe Gauge	Spare Grinding Wheel and Grinding Wheel Flange	
Adjustable 4-jaw Chuck	Diamond Roller Dressing Device	Hydraulic Tailstock	



CAM GRINDING

Model	OCD-3240CAM	OCD-3260CAM	OCD-32100CAM
Swing Over Table		ø 320 mm	
Distance Between Centers	400 mm	600 mm	1000 mm
Max. Grinding Diameter		ø 300 mm	
Max. Load Held Between Centers		150 kgs	
Wheel	OD x Width x ID	ø 355 x 50 x ø127 mm	
	Linear Velocity	30 m/s	
	Speed	1783 RPM (1940 R.P.M.)	
Wheel head	Rapid Feedrate	10 m/min	
	Min. Input Increment	0.001 mm (0.0001 mm)	
	Rapid Feedrate	10 m/min	
Table	Min. Input Increment	0.001 mm (0.0001 mm)	
	Swiveling Angle	0° ~ 12°	0° ~ 12°
	Swiveling Angle	-30° ~ +90°	0° ~ 10°
Workhead	Center	MT. No. 4	
	Speed	10-500 R.P.M.	
	Cam Grinding Speed	0-30 R.P.M.	
	Max. Load of Spindle (tool holder included)	35 kgs (Max. Length : 150 mm)	
Tailstock	Center	MT. No.4	
	Stroke	25 mm	
	Wheel Spindle	3.7 (4P) kw	
Drive Motors	Work Spindle	5.1kw (AC Servo motor)	
	Wheel Head Feed	3.6 kw (AC Servo motor)	
	Table Feed	3.6 kw (AC Servo motor)	
	Hydraulic Pump	0.75 (6P) kw	
	Wheel Spindle Lubricant	0.18 (2P) kw	
	Coolant Pump	0.18 (4P) kw	
Tank Capacities	Wheel Spindle Bearing Lubricant	12 L	
	Lubrication Oil Tank	60 L	
	Machine Weight	3400 kgs	4250 kgs



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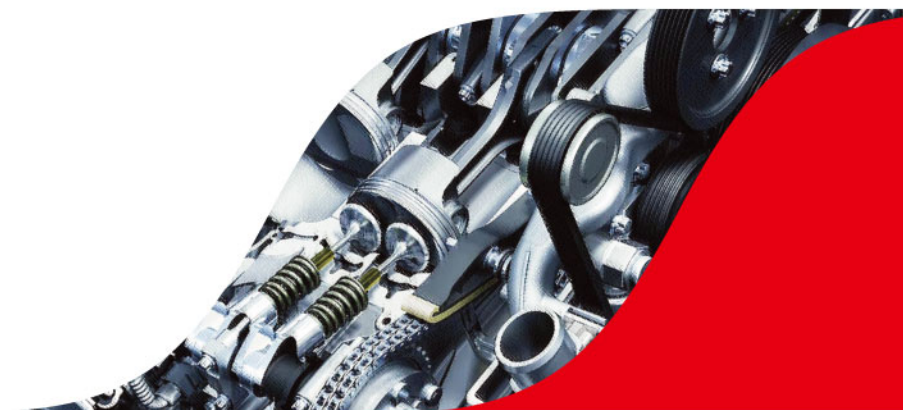
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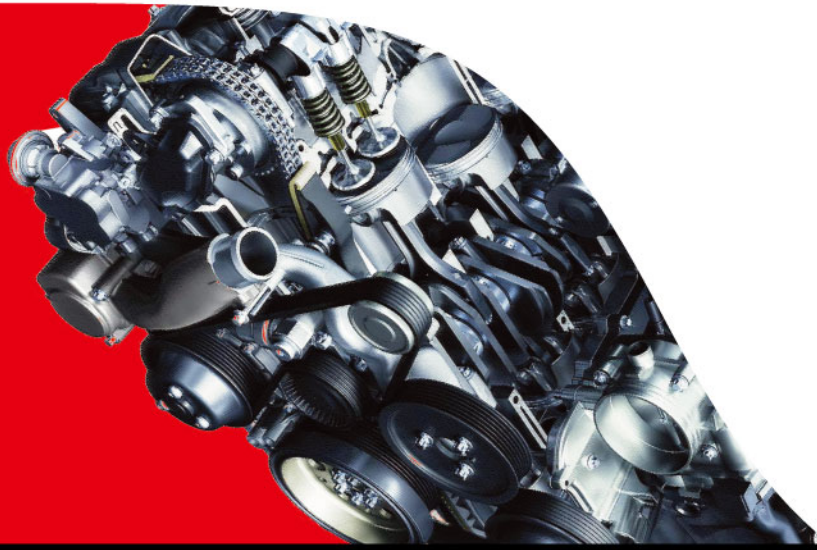
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CNC CYLINDRICAL GRINDER

CAM GRINDING



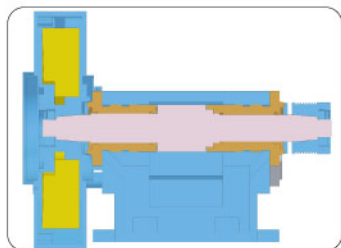


A Total Dedication to New Technological Level



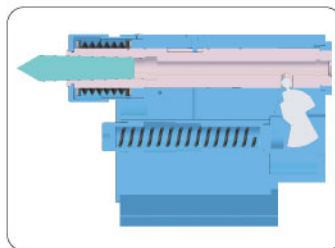
Feature

- Main structure of the CNC cylindrical grinder, when in combination with angle control of spindle by C axis, is capable of grinding various special shaped workpiece.
- Working spindle carried with precision angle decoder, high resolution of angle control reaching up to 0.1um.
- The feed axis is equipped with close loop control optical scale to reach high precision.
- Retaining various functions of CNC cylindrical grinder, and applicable to angle and speed control.
- Fast and easy transferring custom-made grinding program, when operated with PALMARY-developed CAD/CAM software.
- A high-speed algorithm controller executed under PC Based + Windows XP, allowing input of 3rd-party software.
- An optional sound frequency anti-crushproof system, consistent grinding operations are ensured. Another benefit is to prevent parts colliding caused by erroneous motion when executing programs.
- Uni-point dressing device or roller type dressing device is equipped according to functional requirement.
- USB access, combined with the market available USB high-speed transmission interface, providing excellent data portability.
- with 1ms single session processing time.



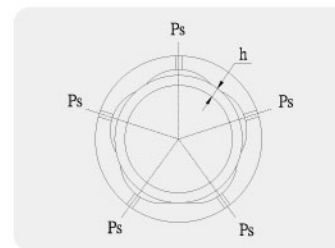
Wheel Spindle with Hydro-static Bearing Absolutely No Metal-to-Metal Contact

Hybrid Palmary hydro-static Bearings are used for the wheel spindle bearings. Metal-to-metal contact will never occur with these highly rigid bearings which have a damping effect and make 0.5μm the new definition of wheel spindle rotational accuracy.



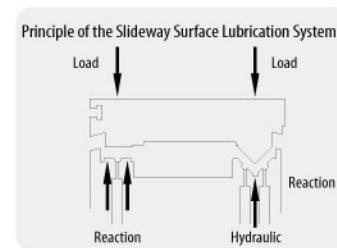
Tailstock Lubrication System Simplifies Maintenance

An automatic oil bath lubrication system has been provided for the tailstock to maintain high-level accuracy. An oil level gauge enables quick and sure oil level checks.



Special hydro-static Bearing

The wheel spindle runs by using a special hydro-static bearing and is especially ideal for precision grinding work. It features high speed, no friction between metals, no heat generation, deformation-free, extra high accuracy and continual use.



Advanced Hydro-static Lubrication System

The slideways of the table and of the wheel head are lubricated by an advanced automatic hydro-static lubrication system. This provides various features such as extremely smooth movement, added feeding accuracy and superior grinding accuracy.



Fargor 8070 High Speed Controller



- Diamond roller dressing device
- Semi-Auto. Grinding Wheel Balance