

## 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 )		
Table	Rapid Feedrate	10 m/min		
	Min. Input Increment	0.001 mm ( 0.0001 mm )		
	Swiveling Angle	0° ~ 12°	0° ~ 12°	0° ~ 10°
	Swiveling Angle	-30° ~ +90°		
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		
	Wheel Spindle Bearing Lubricant	12 L		
Tank Capacities	Lubrication Oil Tank	60 L		
	Machine Weight	3400 kgs	4250 kgs	5300 kgs



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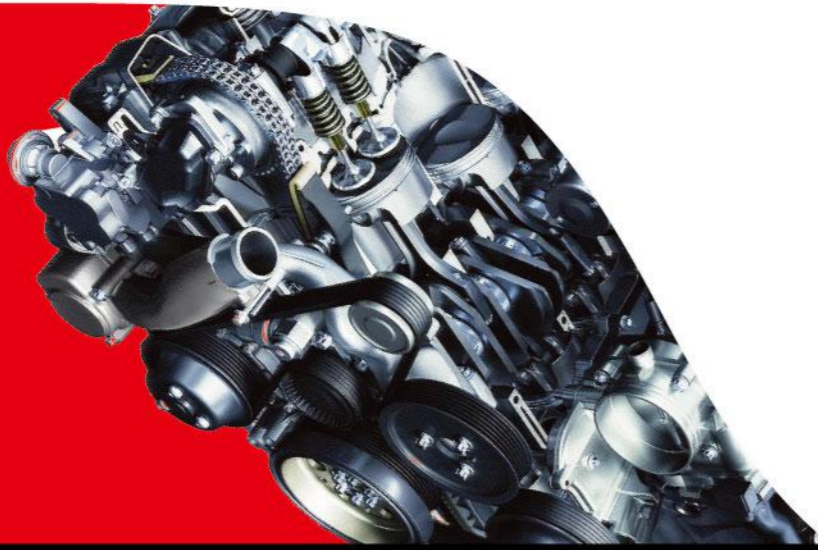


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## CNC CYLINDRICAL GRINDER CAM GRINDING



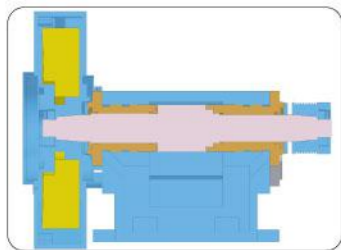


A Total Dedication to New Technological Level



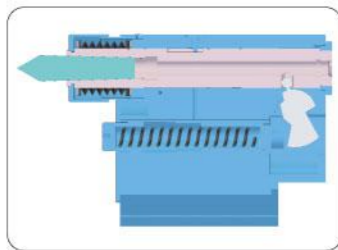
### Feature

- 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-crashproof 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.



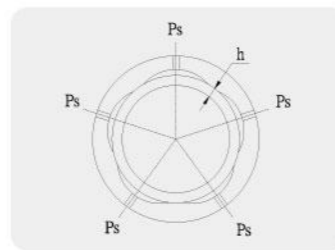
#### Wheel Spindle with Hydro-static Bearing Absolutely No Metal-to-Metal Contact

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.



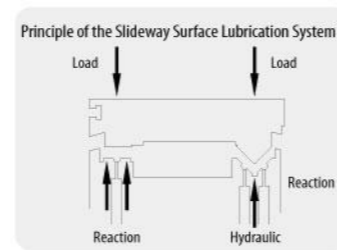
#### Tailstock Lubrication System Simplifies Maintenance

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