

STANDARD ACCESSORIES

- CNC controller ---1
- Linear scale (for X & C axes) ---2
- Fully enclosed splash guard ---1
- Grinding wheel and grinding wheel flange ---1
- Diamond tool holder ---1 (table mounted type)
- Grinding wheel dismount tool ---1
- Carbide tipped work centers ---2
- Coolant tank with pump ---1
- Hydraulic tank with pump ---1
- Work lamp ---1
- Tools and kits ---1

OPTIONAL ACCESSORIES

- Cam locked driving dogs
- Work holder
- 2-point steady rest
- Adjustable 3-jaw scroll chuck (with mounting plate)
- Magnetic coolant separator
- Paper filter
- Automatic grinding wheel balancer
- Wheel balancing stand and arbor
- Touch probe gauge
- Diamond roller dressing device
- Gap and crash control
- Oil mist collector
- CBN wheel
- CAD/CAM software
- Spare grinding wheel flange
- Hydraulic tailstock



**PRECISION
PERFECTION
EXCELLENCE**

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PALMARY PRODUCTS

- Centerless Grinder
- Cylindrical Grinder
- Internal Grinder
- Vertical Grinder
- Surface Grinder
- Special Purpose Grinder



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**CNC CYLINDRICAL
GRINDER
CAM TYPE**

OCD-CAM CNC series

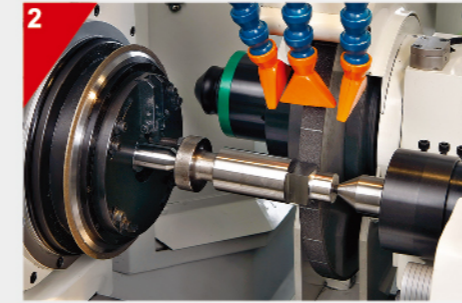


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FEATURES

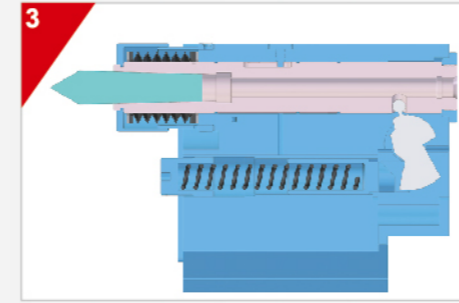


FAGOR CONTROLLER



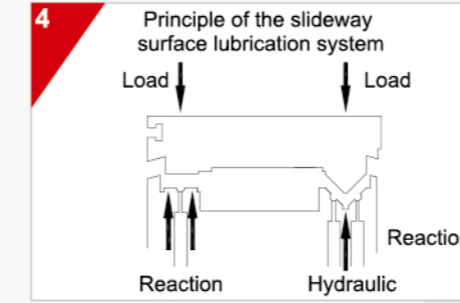
DIAMOND ROLLER DRESSING DEVICE (optional)

- Workspindle mounted type (metal bond)
- Acuminate profile roller type (diamond arranged)



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.



ADVANCED HYDRO-STATIC LUBRICATION SYSTEM

The table slideway is lubricated by an advanced automatic hydro-static lubrication system. This provides extremely smooth movement.

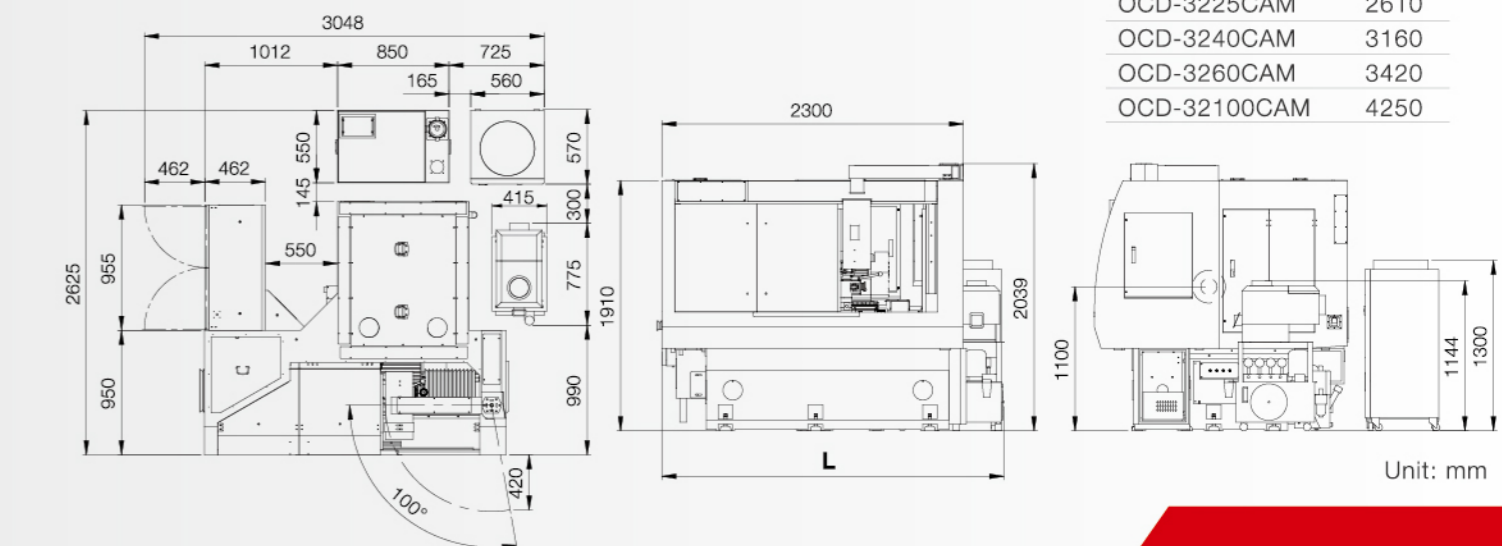
SPECIFICATIONS

OCD-CAM

MODEL	OCD-3225CAM	OCD-3240CAM	OCD-3260CAM	OCD-32100CAM
Capacity	Swing over table Ø320 mm			
	250 mm	400 mm	600 mm	1000 mm
	Distance between centers			
	Max. grinding diameter Ø300 mm			
	Max. load held between centers 150 kg			
	O.D. x Width x I.D. Ø355 x 50 x Ø127 mm			
Wheel	Linear velocity 45 m/s			
	Speed 2245 r.p.m. (2420 r.p.m.)			
Wheelhead	Rapid feed rate 10 m/min.			
	Min. input increment 0.001 mm (0.0001 mm)			
	Rapid feed rate 10 m/min.			
Table	Min. input increment 0.001 mm (0.0001 mm)			
	0°~12°	0°~12°	0°~12°	0°~10°
	Swiveling angle			
	Center MT. No. 4			
Workhead	Speed 0~300 r.p.m.			
	Cam grinding speed 0~30 r.p.m.			
	Max. load of spindle (tool holder included) 35 kg (max. length 150 mm)			
Tailstock	Center MT. no.4			
	Tailstock stroke 25 mm			
Controller	FAGOR			
	Wheel spindle 5.5 kw			
	Work spindle 2.5 kw			
	Wheelhead feed 3.6 kw			
Motor	Table feed 3.6 kw			
	Hydraulic pump 0.75 kw			
	Wheel spindle lubricant 0.18 kw			
	Coolant pump 0.18 kw			
Tank	Lubrication oil tank (table) 18 L			
Capacity	Hydraulic (for accessory) 18 L			
Machine Weight	Net weight	3400 kg	3400 kg	4250 kg
				5300 kg

• The mentioned specifications & dimensions are subject to change without notice.

MACHINE DIMENSIONS



[**OCD-3260CAM**]

FEATURES

- Main structure of the CNC cylindrical grinder, when in combination with angle control of spindle by C axis (built-in spindle motor), is capable of grinding various special shaped workpiece.
- Working spindle carried with precision angle decoder, high resolution of angle control reaching up to 0.1µm.
- The feed axis is driven by linear motor and 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 (optional).

- A high-speed algorithm controller executed under PC Based + Windows XP, allowing input of 3rd-party software.
- An optional gap and crash control, consistent grinding operations are ensured. Another benefit is to prevent parts colliding caused by erroneous motion when executing programs.
- The optional diamond roller dressing device for workspindle mounted type (metal bond) or acuminate profile roller type (diamond arranged) 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.



[**OCD-3225CAM**]