

# CNC CYLINDRICAL GRINDER

## OCA-H series

**OCA-3235H**



### FEATURES

- The machine structure is strengthened with same design of heavy duty cylindrical grinder.
- The enlarge hydrostatic wheel spindle construction could equip max. 125 mm width grinding wheel for plunge grinding application.
- The large fully splash guard is designed for more interior space use.
- The taper fine adjustment tailstock is standard accessory and easy to adjust the taper if required.
- The variable frequency grinding wheel speed control could reach max. 60 M/s cutting speed.
- All the slides are hydrostatic designed for smooth move while grinding process.
- The optional accessories such as OD measuring system is possible to equip for clients use.
- The CNC conversational controller is ease of operation.

SPECIFICATIONS

# CNC CYLINDRICAL GRINDER

## OCA-3235H

MODEL	OCA-3235H	
<b>Capacity</b>	Swing over table	Ø320 mm
	Distance between centers	350 mm
	Max. external grinding diameter	Ø300 mm
<b>Grinding Wheel</b>	Max. load of centers	150 kg
	O.D. x Width x I.D.	Ø610 x 80 (opt: 150) x Ø203.2 mm
	Surface speed	45 m/s
<b>Grinding Wheel head</b>	Rapid speed	10 m/min
	Min. setting unit	0.001 mm
<b>Table</b>	Rapid speed	10 m/min
	Min. setting unit	0.001 mm
	Swivel angle	0 ~ 10°
<b>Work spindle head</b>	Swivel angle	-30° ~ +90°
	Center taper	MT. 4
	Spindle speeds (variable) r.p.m.	10 ~ 300 r.p.m.
	Max. load of spindle (tool holder included)	35 kg (max. length: 150 mm)
<b>Tailstock</b>	Taper center	MT. 4
	Stroke	25 mm
<b>Controller</b>	Brand	FANUC
	Wheel spindle	11 kW (15HP x 4P)
<b>Motor</b>	Workhead spindle	0.8 kW AC servo
	Workhead spindle infeed motor	2.5 kW (servo motor)
	Table infeed motor	1.4 kW (servo motor)
	Hydraulic pump	0.37 kW (6P)
	Wheel spindle lubrication pump	0.37 kW (2P)
	Coolant pump	0.18 kW (4P)
<b>Tank Capacity</b>	Wheel spindle lubricant tank	18 L
	Hydraulic fluid tank	60 L
<b>Power</b>	Total voltage	27 KVA
	Pneumatic total pressure	0.6 MPA
	Air consumption	21 l/min (0.021 m³/min)
<b>Machine Weight</b>	Net weight	5600 kg

### STANDARD ACCESSORIES

- CNC controller x 1
- Grinding wheel and wheel flange x 1
- Flange extractor x 1
- Linear scale (X axis) x 1
- Taper fine adjustment tailstock (±0.02 mm) x 1
- Cantilever crane for wheel change x 1
- Diamond tool holder (fixed type) x 1
- Hydraulic system x 1
- Coolant system x 1
- Work lamp x 1
- Tools and tool box x 1

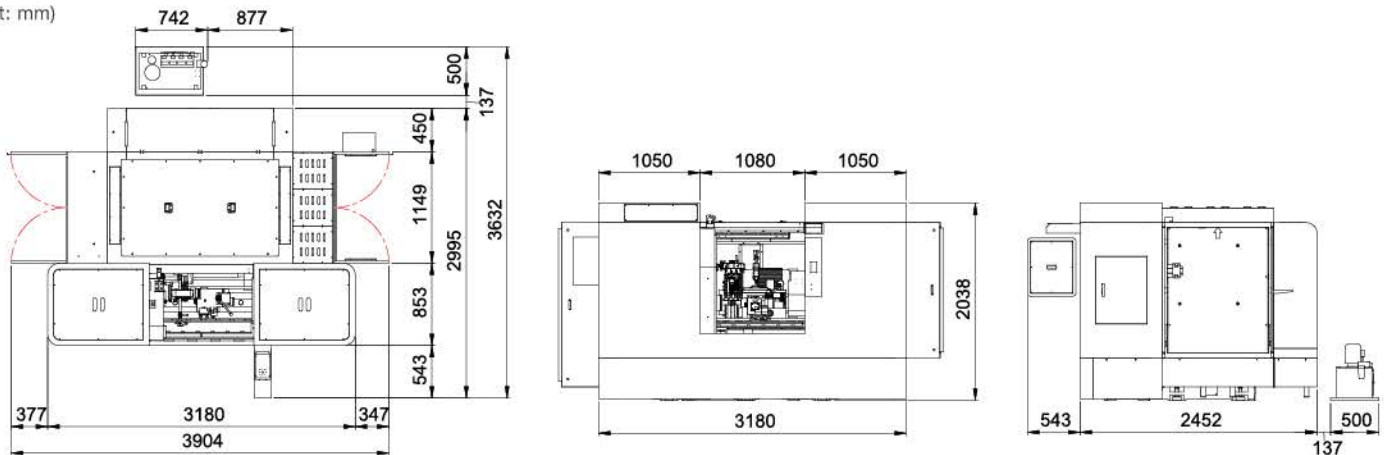
### OPTIONAL ACCESSORIES

- Fully enclosed splash guard
- Wheel balancing stand and arbor
- Auto. grinding wheel balancer
- Cam locked driving dogs (6 pcs/set)
- 2-point steady rest
- Touch probe gauge
- Auto. in-process gauge
- Gap control
- Magnetic coolant separator
- Magnetic and paper filter
- Oil mist collector

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

### MACHINE DIMENSIONS

(unit: mm)



# PALMARY

PALMARY MACHINERY CO., LTD.

No. 77, Gongye Rd., Dali Dist., Taichung City 41280, Taiwan.

Tel: +886-4-2492-9799 Fax: +886-4-2492-9499

E-mail: palmary@grinding.com.tw www.palmary.com



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