

# 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

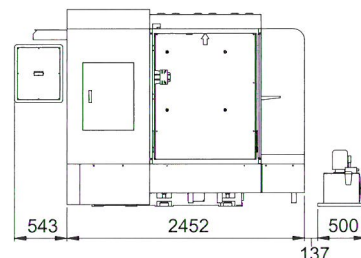
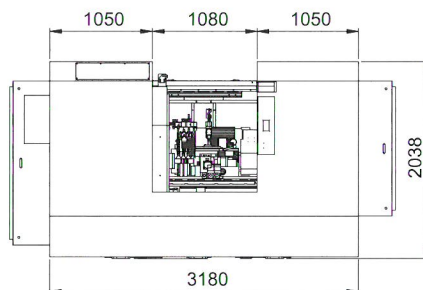
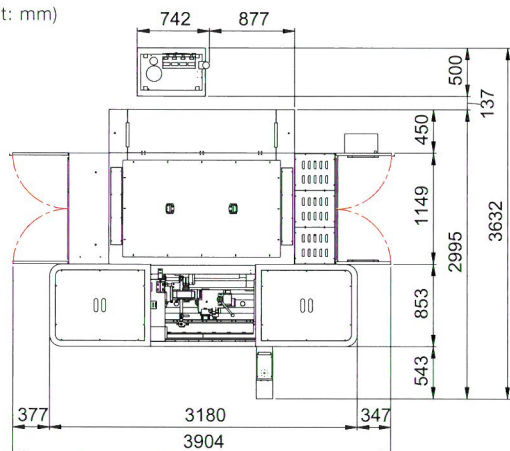
## OCA-3235H

| MODEL               | OCA-3235H                                   |                             |
|---------------------|---------------------------------------------|-----------------------------|
| Capacity            | Swing over table                            | Ø320 mm                     |
|                     | Distance between centers                    | 350 mm                      |
|                     | Max. external grinding diameter             | Ø300 mm                     |
|                     | Max. load of centers                        | 150 kg                      |
| Grinding Wheel      | O.D. x Width x I.D.                         | Ø450 x 80 x Ø152.4 mm       |
|                     | Surface speed                               | 45 m/s                      |
| Grinding Wheel head | Rapid speed                                 | 10 m/min                    |
|                     | Min. setting unit                           | 0.001 mm                    |
| Table               | Rapid speed                                 | 10 m/min                    |
|                     | Min. setting unit                           | 0.001 mm                    |
|                     | Swivel angle                                | 0 ~ 10°                     |
| Work spindle head   | 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) |
| Tailstock           | Taper center                                | MT. 4                       |
|                     | Stroke                                      | 25 mm                       |
| Controller          | Brand                                       | FANUC                       |
| Motor               | Wheel spindle                               | 11 kW (15HP x 4P)           |
|                     | 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)                |
| Tank Capacity       | Wheel spindle lubricant tank                | 18 L                        |
|                     | Hydraulic fluid tank                        | 60 L                        |
| Power               | Total voltage                               | 27 KVA                      |
|                     | Pneumatic total pressure                    | 0.6 MPA                     |
|                     | Air consumption                             | 21 l/min (0.021 m³/min)     |
| Machine Weight      | Net weight                                  | 5600 kg                     |

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

## MACHINE DIMENSIONS

(unit: mm)



## 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

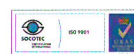
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