

PALMARY

CNC

CYLINDRICAL GRINDER MULTI-SPINDLE WHEELHEADS TYPE

OCD-3265M3



Outstanding Features:

- CNC universal cylindrical grinding machine for medium size workpiece.
- It has distance between centers of 650mm and center height of 320mm
- It can machine workpiece with a maximum weight of 150kgs
- Turret Wheelhead with direct drive and 0.0003° resolution
- Complete Machine with up to 3 grinding wheels
- Full Enclosure
- The wheelhead with integrated B-axis. It swivels automatically and enables the use of up to three grinding wheels.
- This means that workpiece can be completely machined in the same clamping with minimal auxiliary times combined with superior precision.
- This B axis has a direct drive which positions very quickly and precisely.
- The high-resolution direct measuring system guarantees a positioning range of the high-precision B-axis < 1"

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OCD-3265M3 Specification

Specification	OCD-3265M3		
Swing Over Table	Max. Ø320	mm	
Distance Between Centers	650	mm	
Max. Grinding Diameter	Max. Ø300	mm	
Max. Load Held Between Centers	150	kg	
OD. Wheel (Straight Type)	OD. x W x ID.	Ø510 x 50 x Ø203.2	mm
	Linear Velocity	2,700 m/min. (45 m/s)	
	Speed	1,248	rpm
OD. Wheel (Angular Type)	OD x W x ID	Ø510 x 75 x Ø203.2	mm
	Linear Velocity	2,700 m/min. (45 m/s)	
	Speed	1,248	rpm
ID. Spindle	G.W. Speed	14,000~30,000	rpm
	G.W. Diameter	Ø43~Ø60	mm
	G.W. Max. Linear Velocity	2,700	m/min.
B Axis G.W. Head Swivel Base	Swivel Angle	-40° ~+220°	
	Repeatability Accuracy	< 1" (1 sec.-Angle Unit)	
	Swivel Time 0°~180°	< 3s	
X Axis G.W. Head	Min. Setting Angle	0.0003°	
	Rapid Moving	6	m/min.
	Min. Setting Value	0.001 (Opt. 0.0001)	mm
Z Axis Table	Rapid Moving	6	m/min.
	Min. Setting Value	0.001 (Opt. 0.0001)	mm
	Swivel Angle	0° ~ 8.5°	
Workhead	Centers Taper	MT. 4	
	Spindle Speed	10 ~ 300	rpm
	Swivel Angle	-30° ~ +90°	
Tailstock	Centers Taper	MT. 4	
	Moving Distance	25	mm
Power	FANUC System	Power:220V Control Circuit:24VDC	
	G.W. Spindle	4.0 kw 4P (5.5 hp)	
Motor	ID. Spindle (Build-In Type)	15	kw
	G.W. Swivel Base -B Axis (Servo Motor)	0.75 kw (1.0 hp) Tc : 2.0 Nm	
	G.W. Feeding -X Axis (Servo Motor)	1.6 kw (2.1 hp) Tc : 8.0 Nm	
	Table Feeding-Z Axis (Servo Motor)	1.6 kw (2.1 hp) Tc : 8.0 Nm	
	Workhead Spindle (Servo Motor)	0.8 kw (2.1 hp) Tc : 5.4 Nm	
	Hydraulic Lubrication Pump	0.75 kw 4P (1.0 hp)	
	Hydraulic System	0.18 kw 4P (0.24 hp)	
Capacity	Coolant Pump	60	L
	Hydraulic Tank	42	L
	Build-in Type Spindle Coolant Tank	15	L
Power Supply	Power Capacity	34.2	KVA
Machine Size	LxWxH	3,700 x 2,910 x 2,227	mm
	Machine N.W.	10,000 (Estimated Weight)	Kg