

# PALMARY

## INTERNAL GRINDER SPECIAL MODEL FOR BEARING INNER DIA. / INNER GROOVE **OIG-200S**



### Outstanding Features :

- The workpiece loading, unloading and the workhead movement could operate at the same time in order to shorten the time for setting & adjustment. Machine could equip with vibration feeder or workpiece arranging device in order to have auto loading control.
- Machine with magnetic workhead centerless support device which allows the loading and unloading workpiece process move quickly and increase work efficiency.
- The customer could use optional accessory CBN grinding wheel for having better grinding results.
- Machine equipped with Palmary developed conversational control panel (Mitsubishi PLC) for easy operation. The customer could choose to use CNC controller as optional.
- Machine supplied the high precision roller type dressing device to make sure the dressing accuracy.
- According to the workpiece accuracies required, it's optional to add the digital linear or in-process ID measuring device.

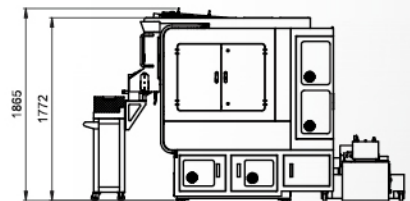
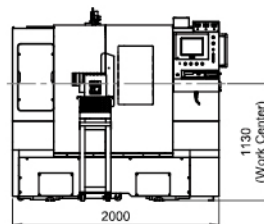
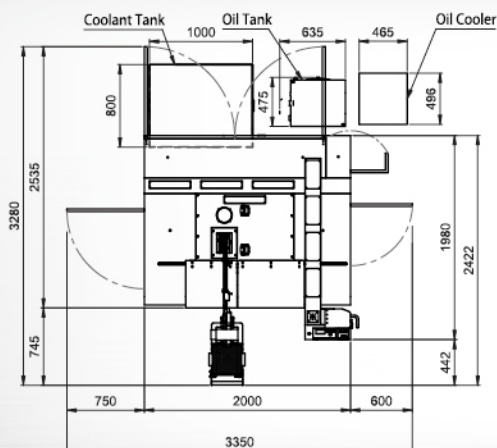
# INTERNAL GRINDER

SPECIAL MODEL FOR BEARING INNER DIA. / INNER GROOVE

## OIG-200S Specifications

Specifications		OIG-200S	
Workpiece chuck dia.		Max. Ø80	mm
Grinding capacity		Min. Ø6 ~ Max. Ø70	mm
Grinding length		Max. 50	mm
Build-in G.W. spindle	G.W. speed	Max. 30,000	rpm
	G.W. dia.	Ø20 ~ Ø45	mm
	Grinding capacity	Ø22 ~ Ø70	mm
	G.W. max. linear velocity	2,000	m/min.
	Spindle dia.	Ø120	mm
Build-in G.W. spindle (OPTIONAL)	G.W. speed	80,000 (high-frequency)	rpm
	G.W. dia.	Ø5 ~ Ø15	mm
	Grinding capacity	Ø6 ~ Ø22	mm
	G.W. max. linear velocity	2,000	m/min.
X-axis for G.W.	Spindle dia.	100	mm
	Max. table traverse	130	mm
	Max. table feed speed.	12	m/min.
Z-axis for G.W.	Min. setting	0.001 (optional 0.0001)	mm
	Max. table traverse	270	mm
	Max. table feed speed.	12	m/min.
Magnetic workhead	Min. setting	0.001 (optional 0.0001)	mm
	Speed	100 ~ 1000	rpm
Controller	Swivel	+1° ~ -15°	
	Brand	Mitsubishi Q-TYPE	
Motor	30,000 Build-in G.W. spindle	3.0	kw
	80,000 Build-in G.W. spindle (optional)	2.67	kw
	X-axis for G.W. (servo motor)	0.75 kw (1.0hp) Tc : 2.4 Nm	
	Z-axis for G.W. (servo motor)	1.5 kw (2.0hp) Tc : 7.2 Nm	
	Workhead (servo motor)	1.5 kw (2.0hp) Tc : 7.2 Nm	
	Hydraulic pump	1.5 kw 4P (2.0hp)(Flow 30L/ min.)	
	Lubrication system	0.024	kw
Tank	Coolant system	120	L
	Hydraulic system	60	L
	Lubrication system	0.7	L
	Build-in spindle coolant system	15	L
Power Supply		20	KVA
Machine occupy	Dimensions	1,980 x 2,000 x 1,770	mm
	Net Weight	4,500 (estimated)	kg

• Dimensions (unit: mm)



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