

# OZ 5000X

## Features

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- Machining seals up to a diameter of 570mm
- Manufacture seals at high speeds of up to 2000rpm
- 45° integral slant bed
- Uses the Servo motor on its spindle
- Fully equipped with swarf extraction system and toolbox
- Hydraulic chuck and hydraulic tailstock
- Option to utilise VDI Power tool turret
- CAD/CAM software developed exclusively by Oz Seals.

## Highlights

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- Seal manufacturing software and hardware
- OZ Seal Turn CAD/CAM Software
- OZ Seals Fitting Manufacturing Software Computer
- Swarf Extraction System
- Toolbox (holders, cutting tools and spares)





## Specification :

Item	Specification	Unit	
<b>Capacity</b>	Max. swing dia. over bed	mm	Φ570
	Max. swing dia. over slide	mm	Φ320
	Recommended turning dia.	mm	Φ250
	Max. turning dia	mm	Φ360
	Max. turning length	mm	450/750/1350/2000/3000
<b>Spindle</b>	Spindle bore	mm	Φ86
	Spindle type	/	A2-8
	Spindle speed	rpm	2000
	Chuck size	/	10"
	Max. bar through dia.	mm	Φ 74
	Spindle motor power	Kw	11(15)
	<b>X/Z axes</b>	X axes travel	mm
Z axes travel		mm	600/1000/1500/2150/3150
X/Z axes rapid moving speed		m/min	20/16
<b>Tool turret</b>	Tool turret type	/	Hydraulic 8 station
	Toolshank size	mm	25x25, Φ40
<b>Tailstock</b>	Tailstock quill taper	/	MT5# (for 600mm) MT4# rotary (for other)
	Tailstock quill dia./travel	mm	Φ75/100 (for 600mm) Φ110/100 (for other)
	Tailstock guideway	/	Rectangle guideway
<b>Others</b>	Machining roughness	mm	Ra≤1.6
	Machining accuracy	/	IT6
	X/Z axes repeated positioning accuracy	mm	0.006/0.008 (0.01,0.013,0.017,0.021)
	Overall size	mm	3200x1900x1900
	N.W.	kg	3600

## Main parts list :

Item	Brand
CNC controller	OPT: SIEMENS/FANUC/GSK
Feeding driver & motor	OPT: SIEMENS/FANUC/GSK
Spindle driver & motor	OPT: SIEMENS/FANUC/GSK
Spindle unit	TAIWAN-LOSEN/KENTURN
Spindle encoder	GERMANY-HEIDENHAIN
Servo powered tool turret	GERMANY-SAUTER
Ball screw	TAIWAN-PMI/HIWIN
Ball screw bearing	JAPAN-NSK/TAIWAN-TPI
Linear guideway	TAIWAN PMI/HIWIN
Lubrication system	TAIWAN-ISHAN
Rotary oil cylinder & chuck	TAIWAN-CH-H
Hydraulic parts	TAIWAN/JAPAN
Coolant pumps	Joint-venture
MPG	USA-HEDSS

Item	Brand
Tri-colour indication lamp	KOREA-QLIGHT
Isolation transformer	CHINA-top-CHINT/JIUKO
Breaker	FRANCE-SCHNEIDER
AC contactor	FRANCE-SCHNEIDER
Relay	JAPAN-OMRON
Dc switching mode power supply	TAIWAN-MEANWELL
Terminal block	GERMANY-WEIDMULLER
Synchronous belt	USA-GATES
Synchronous belt wheel	TAIWAN – PTP
Nuts	TAIWAN-YINSH
Shaft coupling	GERMANY-KTR/R+W
Extensible cover	TAIWAN-WANHE
Chip conveyor & chip bucket	TAIWAN-WANHE
Coolant pipe	TAIWAN-WEIDING