

# OZ 6000X



Complete seal manufacturing system includes:

- Granulator
- Seal manufacturing software and hardware (over 250 profiles)
- Swarf extraction system with cyclon seperator
- Complete set of Toolbox (inclues holders, cutting tools and spares)
- Freight, training and installation on site

# OZ 6000X

## Features

- Machining seals up to a diameter of 660mm
- Manufacture seals at high speeds of up to 1500rpm
- Uses the Servo motor on its spindle
- Fully equipped with swarf extraction system and toolbox
- CAD/CAM software developed exclusively by Oz Seals
- Oz Seals aluminium adjustable clamping system

## Standard configuration

- X/Z axes linear guideway, tailstock hard rectangle guideway
- GSK CNC controller (OPT: SIEMENS, FANUC)
- X/Z axes driver&motor: GSK brand AC servo
- Spindle: ECO top brand Servo Motor&Driver
- Hydraulic chuck (TAIWAN brand thru-hole chuck 10" & thru-hole rotary oil)
- TAIWAN brand 10 station Hydraulic tool turret (OPT: 12 station)
- Automatical lubrication, Tri-color indication lamp, coolant system, working lamp, heat exchanger, pedal switch
- Front door lock by sensor, side door lock by bolts (According to CE safety standard)



## Machine package inclusions:



Computer/CAD CAM Software



Industrial vacuum



Clamping system

# OZ 6000X



## Specification :

Item	Specification	Unit	
<b>Capacity</b>	Max. swing dia. over bed	mm	Φ660
	Max. swing dia. over slide	mm	Φ500
	Recommended turning dia.	mm	Φ380
	Max. turning dia	mm	Φ600
	Max. turning length	mm	350
<b>Spindle</b>	Spindle bore	mm	Φ86
	Spindle type	/	A2-8
	Spindle speed	rpm	1500
	Chuck size	/	10" (OPT: 12" chuck)
	Max. bar through dia.	mm	Φ 74
	Spindle motor power	Kw	18.5
<b>X/Z axes</b>	X axes travel	mm	400
	Z axes travel	mm	860/1640/2150/3150
	X/Z axes rapid moving speed	m/min	16(Linear guideway); 12(Box guideway)
<b>Tool turret</b>	Tool turret type	/	Hydraulic 12 station
	Toolshank size	mm	25x25, Φ40
<b>Tailstock</b>	Tailstock quill taper	/	MT5# rotary
	Tailstock quill dia./travel	mm	Φ150/150
	Tailstock guideway	/	Rectangle guideway
<b>Others</b>	Machining roughness	mm	Ra≤1.6
	Machining accuracy	/	IT6
	X/Z axes repeated positioning accuracy	mm	0.008/0.01 (0.013)
	Overall size	mm	4400x2200x2000
	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

## Seal manufacturing software & hardware

Item	
Vacuum/ Swarf collection system	Swarf granulator (SPAENE FRESSER) Adjustable suction line swarf collection chamber 44 gallon and coolant recycling system
Computer	Brand new computer with latest Windows operating system
Software	Latest Windows operating software Simploz turning software Oz Seals manufacturing software Post processor

## Toolbox (Holders, cutting tools & spares) :

Item	Tools/ Holders
1 Toolholder & Tool (OZ 1 - 2)	
1 Toolholder & Tool (OZ 3 - 4)	
1 Toolholder & Tool (OZ 3 - 4 R)	
1 Toolholder & Tool (OZ 5 - 6)	
1 Toolholder & Tool (OZ 7 - 19)	
1 Toolholder & Tool (OZ 8)	
1 Toolholder & Tool (OZ 9)	
1 Toolholder & Tool (OZ 10)	
1 Toolholder & Tool (OZ 11 - 12)	
1 Toolholder & Tool (OZ 13 - 14)	
1 Toolholder & Tool (OZ 15 - 18)	
1 Toolholder & Tool (OZ 22)	
1 Toolholder & Tool (OZ 22 V)	
1 Toolholder & Tool (OZ 23 - 24)	
1 Toolholder & Tool (OZ 25)	

Item	Tools/ Holders
1 Toolholder & Tool (OZ 26 - 27)	
1 Toolholder & Tool (OZ 28)	
1 Toolholder & Tool (OZ 31)	
1 Toolholder & Tool (OZ 325)	
12 Holder Holders (to take holders) OZ UNI OPT TURRET: 8 or 12	
1 Spike holder (to make chevron seals)	
1 Right hand boring bar 20mm	
1 Left hand boring bar 16mm	