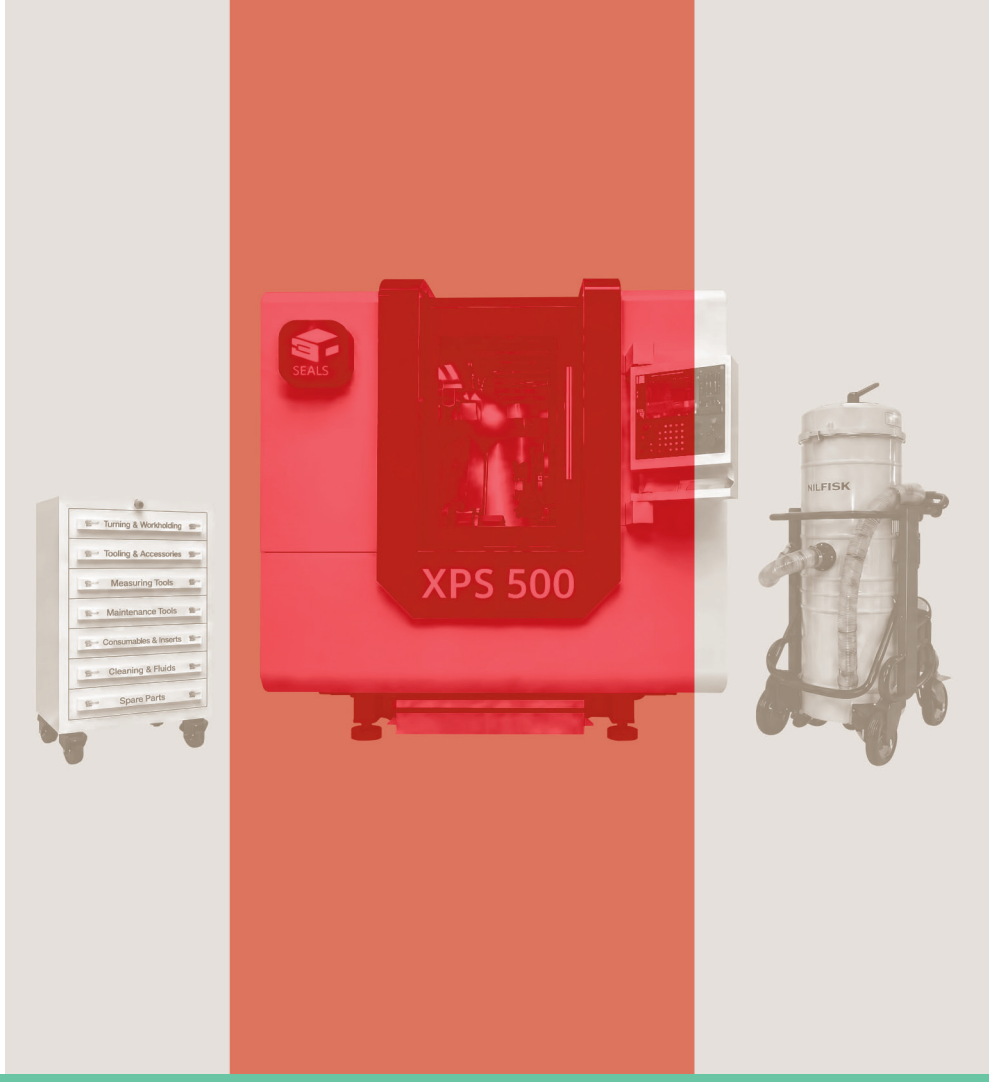


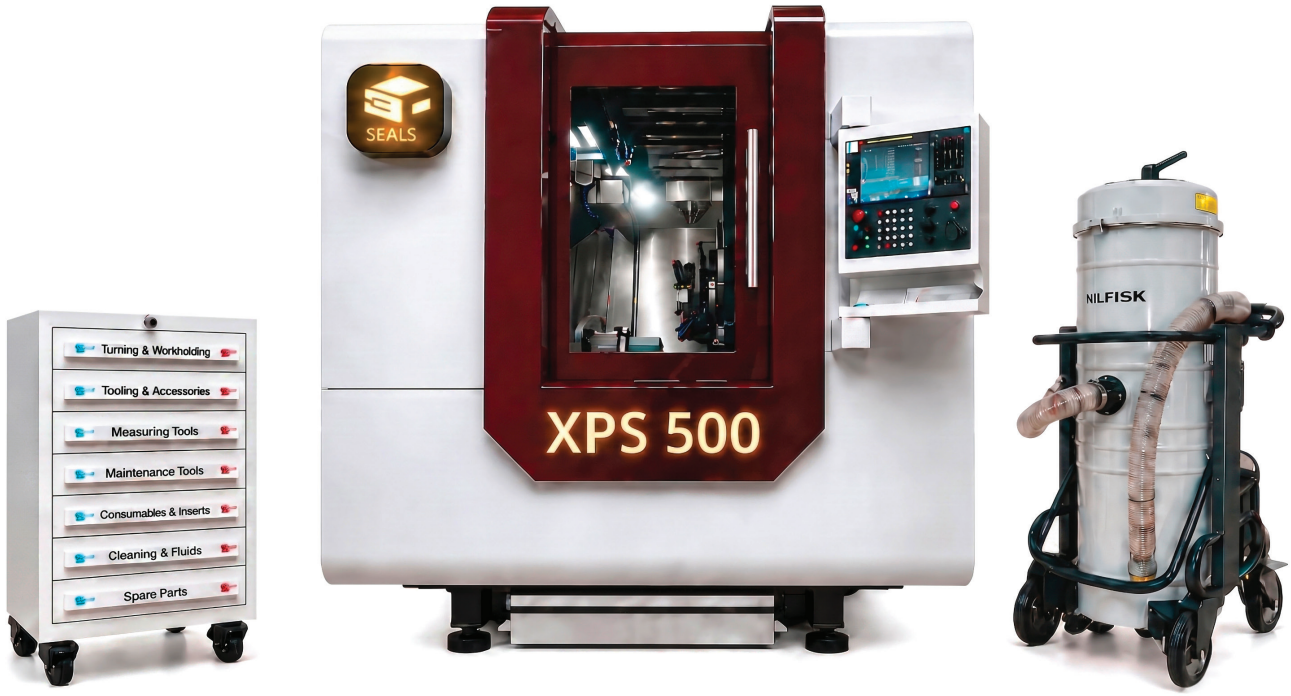
XPS 500
Overview

SEALS



SEALS

XPS 500: A fully integrated machine allowing CNC operators to produce industrial seals, on-site and on time





SEALS

Description

The 3D Seals' XPS 500 machines are modern, compact CNC turning centres, enabling our partners to custom-machine industrial seals up to 560 mm (outside diameter). The new models can produce over 500 different seal profiles – within a few minutes – for hydraulic, pneumatic, static and rotary applications – on demand from a single piece or prototype to larger volume series.

The full package includes the necessary machining tools, suction, cutter units, and software to produce customised seals on demand, according to specific needs. This reduces the need to stock standard seals while allowing fast replacement of nonstandard sizes.

Swift Production

- Machine seals just in time
- Modular design
- Minimum commissioning requirements

High Precision & Accuracy

- Machining accuracy of up to 4 microns
- Spindle runout mm < 0.010 mm

Widest Range

- Custom seal designs up to 550 mm in diameter
- Wide range of sealing solutions and profiles
- Can produce more than 500+ designs of seals/profiles

State of the Art

- Integrated software with FANUC OITFP drive and control system
- CNC control unit with external control panel enables full customization of every seal design
- Compact design – modular system with automatic door





SEALS

Technical Specification:

1. Capacities

Chuck size: 250 mm
Turning diameter (max.): 550 mm
Turning length (max.): 300 mm

2. Main Spindle

Spindle Nose: A2-5
Spindle through Bore: 56 mm
Spindle Torque (max. @1500 rpm): 40 nm
Spindle Speed: 3500 RPM

3. Spindle AC Servomotor (Fanuc)

Power: 3.7 KW
Speed (max.): 12000 RPM

4. Turret

Type (Pragathi make): BTP63
No. of tools: 8 Nos
Tool Disk Mounting: VDI 20
Indexing time: 2 Sec

5. Accuracies

Machining accuracy of up to 4 microns

Spindle runout	mm	< 0.010
Positioning X-axis	mm	+/- 0.008
Positioning Z-axis	mm	+/- 0.010
Repeatability X/Z-axis	mm	+/- 0.005

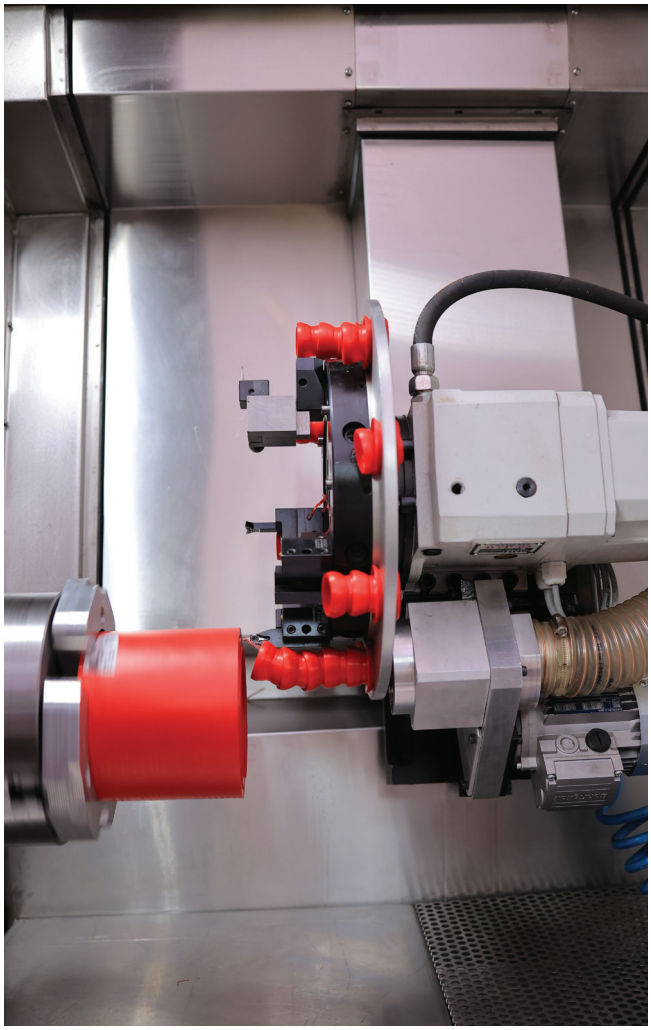
7. Overall Dimension:

Machine:	L 2800 mm x W 2080 mm x H 2440 mm
Suction Unit:	L 1179 mm x W 820 mm x H 1700 mm
Tool Trolly:	L 820 mm x W760 mm x H 1400 mm

L = Length, W = Width, H = Height

Accessories Inclusive:

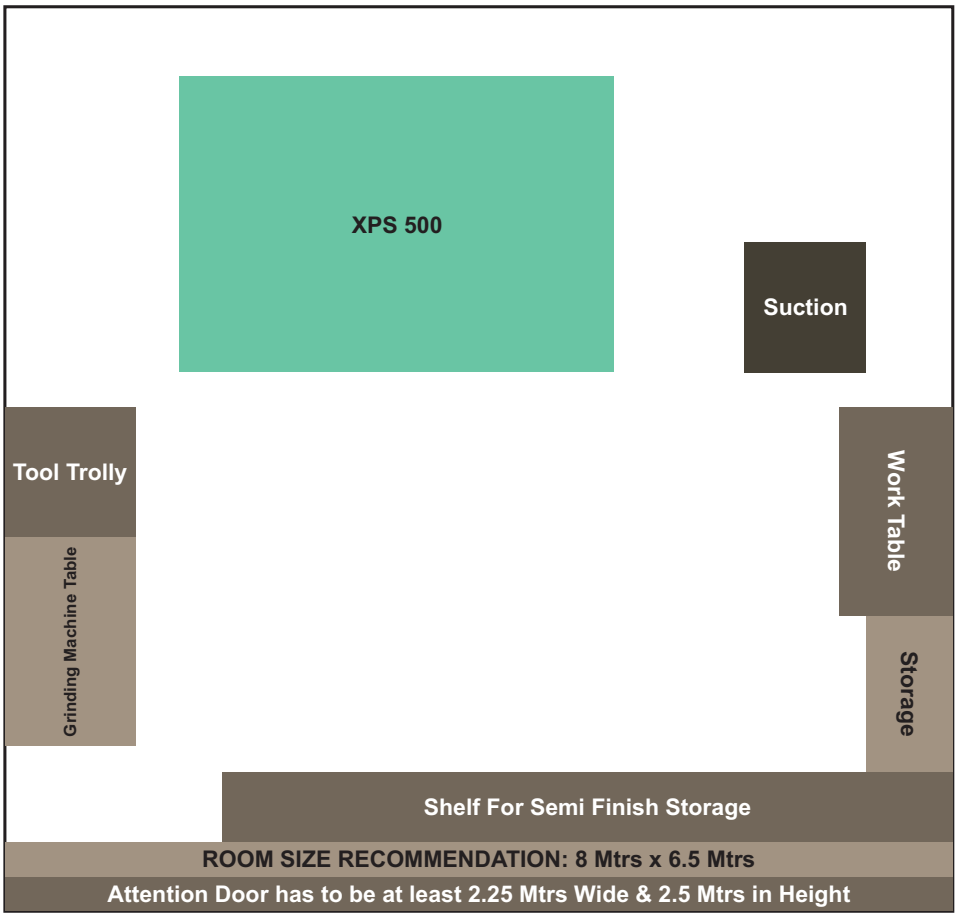
- Cutting tools (One Set of inserts)
- Standard profile software package
- PC / Monitor
- Multi range gripping jaw package
- Jaw chuck wrench
- Transformer





SEALS

Standard Layout Recommended for Machine Room



About 3D Seals

With an industry experience spanning 15+ years, 3D Seals Pvt. Ltd. is your one-stop shop for industrial seals. Our customisation approach spans the entire process from identifying the exact needs/problems of the client to brainstorming innovative concepts and designs and executing production. From the prototype to the final assembly, our production involves using state-of-the-art equipments and techniques.

Catering to a wide range of applications across diverse industries, our sealing solutions are engineered to the highest attainable performance to keep your operations running efficiently.

Our USPs:

- Bespoke and standard sealing solutions
- In-depth analysis of your requirement for a customised solution
- Partnership throughout the design, development, testing and implementation phases
- After-sales and maintenance support



SEALS

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