



# DENTAL SOLUTIONS

## PRODUCT CATALOGUE

# SCAN33

## Intraoral Scanner



## Modern and Lightweight Design

### Automatic Heating and Anti-Fog

Ensures optimal performance in various conditions.

### Calibration-Free

No need for frequent calibration, saving time and effort.

### Detachable Cable

The USB cable is detachable, making it easy to replace damaged cable.

### 2-Size Autoclavable Scanner Tip

Designed for durability with 100 life cycles.

## Advanced Technology

### Advanced AI and Rendering Technology

Our advanced AI function automatically removes soft tissue artifacts and effectively disregards interference from the tongue and cheeks, ensuring cleaner and more accurate scans.

### Superior Scanning Accuracy

With cutting-edge deep learning algorithms, our system handles intricate details around the tongue and cheeks with exceptional precision.

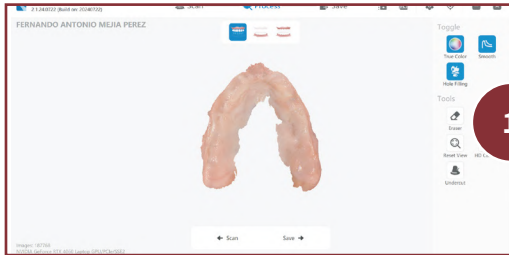
### 3D True-color Imaging

Experience the latest in image rendering technology with our enhanced 3D True-color feature. This upgrade delivers more realistic color reproduction, improving communication between dentists and patients.

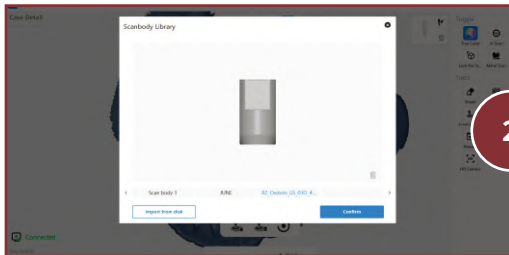


## Scan body Workflow

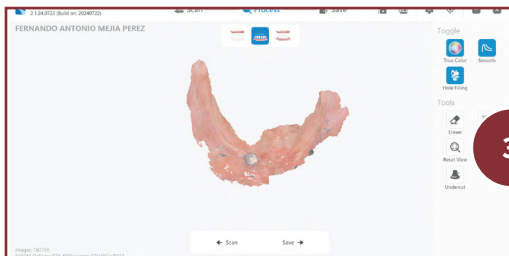
The easily accessible scan body workflow ensures the accuracy of the scan body data and eliminates the need for repeated scanning, improving your work efficiency.



1 Scan the upper and lower jaw



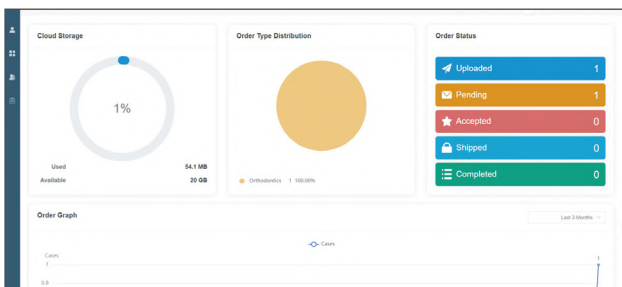
2 Import implant data from database (for customized registration)



3 Scan the body and match

## Industry Integration

By working with industry leaders, we provide seamless integration in the CAD/CAM workflow process with easy-to-use function and intuitive navigation.



Share your data on the cloud platform through partner labs and keep informed throughout the process.



# Specifications

Handpiece		System	
<b>Dimensions (L*W*H)</b>	240mm * 49.5mm * 30.5 mm	<b>Scanning Accuracy</b>	Crown < 10µm Full Arch < 10µm
<b>Weight</b>	210g	<b>Scanning Speed</b>	Single Arch 30 seconds Full arch with occlusion 90 seconds
Tip		<b>Calibration Free</b>	Yes
<b>Standard Tip Size</b>	79mm * 19.7mm * 15.8mm	<b>Model Export</b>	STL, OBJ, PLY
<b>Mini Tip Size</b>	80mm * 16mm * 11mm	<b>Connectivity</b>	USB 3.0
<b>Scan Area (Standard)</b>	15mm * 15mm	<b>Multilingual Support</b>	Simplified Chinese, English, Spanish, Russian, Portuguese, Italian, Greek, Polish, Romanian, Japanese, Korean, Turkish, Czech, German, Hungarian
<b>Scan Area (Mini)</b>	12mm * 12mm		
<b>Depth of Field</b>	15 mm		
<b>Autoclavable</b>	Up to 100 times 121°C at 16 minutes 134°C at 4 minutes		

# Recommended Hardware Configuration

Category	Laptop	Desktop
<b>CPU</b>	Intel Core i7-11700H	Intel Core i7-11700
<b>RAM</b>	16 GB or higher	
<b>Graphic Card</b>	NVIDIA GeForce 3060 or newer with 6GB Graphic Memory (Do not support AMD or Intel graphic cards)	
<b>Internal Storage</b>	256 GB or more SSD	
<b>Display</b>	1920 * 1080, 60Hz	
<b>Operation System</b>	Windows 10/11 Pro/Corporate Edition (64-bit)	
<b>I/O Port</b>	USB 3.0	
<b>Power Consumption</b>	25 V/A	

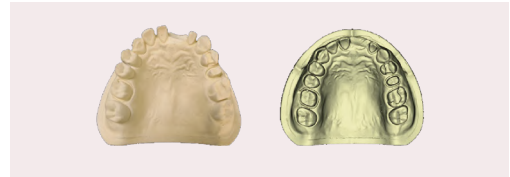
# PD-3 Lab Scanner

Accurate, Fast, Flexible



## Scan and upgrade without separation

360-degree scanning with no blind spots, high precision that can clearly identify margin lines, and intelligently add scan the narrow gaps which is hard to scan.



## True color texture

With the help of color restoration technology, PD-3 can obtain high saturation and high color brightness of the true model color acquisition by using the mono camera, and capturing every inch of color details, making the model more realistic and empowering for removable cases.



## Implant scanning is easier

Little powder spray - the scanning accuracy is more accurate, support dynamic articulator scanning - support virtual articulator occlusion transfer, and the scanning accuracy can reach  $6\mu\text{m}$  (ISO12836).

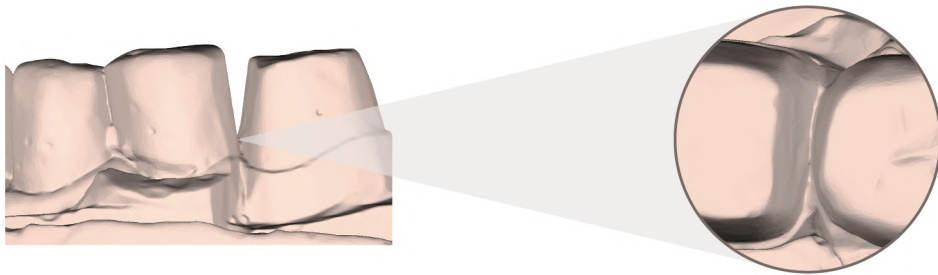


## Whole functions & Flexible workflow

Support various scan mode & model types.  
Support dynamic & static articulator scan.  
Switch the workflow freely.  
Support articulator transfer and virtual simulation on EXOCAD.

# Intelligently add scan

The intelligent scanning mode of L series can adjust the scanning angle according to the hole area. With the help of multi-mesh hybrid 3D reconstruction algorithm, the missing areas of data were scanned better and more completely, and the efficiency of supplementary scanning and the integrity of model data were improved.



Category	Recommended Configuration	Minimum Configuration
<b>CPU</b>	Intel I7 13700 or higher	Intel I7 10700 or higher
<b>Memory</b>	32G or higher	16G or higher
<b>Graphic</b>	NVIDIA GeForce GTX2060SUPER 8G or higher (Not supporting Radeon)	NVIDIA GeForce GTX1660 6G or higher (Not supporting Radeon)
<b>Operating System</b>	Windows 11 64-bit	Windows 10 64-bit
<b>I/O Port</b>	USB 3.0	

Technical Parameters	
<b>Model</b>	PD-3
<b>Camera resolution</b>	2*2.4 MP
<b>Accuracy</b>	≤6μm(ISO12836)
<b>Full arch scan speed</b>	9 s
<b>Full arch impression scan speed</b>	19 s
<b>Scan area</b>	96mm*82mm*60mm
<b>Output format</b>	STL、PLY、OBJ
<b>Light source</b>	Blue light
<b>Texture scanning</b>	True color scanning
<b>Dimension</b>	293mm*270mm*257mm
<b>Weight</b>	6 kg
<b>Power supply</b>	DC 24V
<b>Interface</b>	USB 3.0
<b>Articulator scan</b>	Dynamic/static support articulator transfer

# S500/S510 Dry Milling Machine

Precision, Efficiency  
Reliability



## GERMAN-MADE Spindle

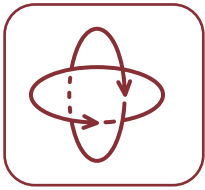


No air compressor needed



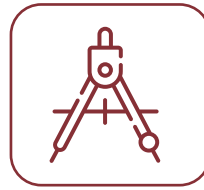
The S500/S510 Milling Machine is engineered for dental professionals who demand top performance and precision.

With its cutting-edge technologies, including versatile 5-Axis milling, an intuitive touch display, and time-saving auto-calibration, this machine is designed to deliver exceptional results with unwavering reliability.



### 5-Axis Milling

Achieve unparalleled precision with our advanced 5-Axis milling technology. The S500/S510 ensures meticulous detail and perfect results, every time.



### Auto-Calibration

Say goodbye to complex and time-consuming calibration. Our streamlined auto-calibration process saves you time and simplifies your workflow, allowing you to focus on what truly matters.



### 8-Inch Touch Display

Navigate through intuitive workflows effortlessly on the high-resolution 8-inch touch display. No need for a computer—just plug in a flash drive and get started immediately.



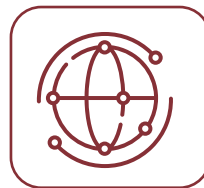
### High-Performance

The integrated 12-tool gauge delivers lightning-fast manufacturing, ensuring a seamless and efficient production experience.



### Robust Cast Aluminum Body

Constructed with cast aluminum, the S500/S510 minimizes vibrations and enhances stability, providing reliable performance even for the most demanding tasks.



### Versatile Connectivity

Connect effortlessly via the RJ45 connector for remote control or integrate with a vacuum cleaner for automatic cleaning. The S500/S510 adapts to your needs, enhancing your operational efficiency.

# Specifications

Category		S500	S510
Basic Information	Method	Dry milling	
	Material	Zirconium,wax,PMMA,composite material and soft metal size:98.5mm Secondary clamp(optional)	
	Structure	Solid cast aluminum body	
	Case	Steel plate, medical white high-gloss paint,working hatch,accessory drawer	
	Axis	5 axis	
	Linear axis X/Y/Z	Precision ball screw, precision guide rail,repeat accuracy $\pm 5\mu\text{m}$ precision motor travel,X/Y/Z:176/134/100mm	
	Axis of rotation A/B	Precision motor, precision harmonic reducer, repeat accuracy $\pm 0.01^\circ$ A axis: $\pm 32^\circ$ B axis: $\pm 360^\circ$	
	Control system	Integrated FPGA high-speed parallel processing command,equipped with a real-time operating system that supports standard G command (RS274X)and extended commands. Integrated frequency converters for synchronous and asynchronous motors, make it more flexible and more compatible.Support multiple analog and digital IO.	
	LED	Multiple LED color indicator Ready&Milling (White) Finished, milling(Green)/ Error(Red)	
Spindle	Regular	High-frequency asynchronous spindle, tool change with air (do not rotate during tool changing), air seal to prevent foreign matter from entering.	High-frequency asynchronous spindle, tool change without air (do not rotate during tool changing).
	Rotate speed	Maxium 60,000 rpm	
	Power	900W (5S, Pmax),400W(S6),250W(S1)	800W(5S, Pmax), 450W(S1)
	Bearing	High speed ceramic ball bearings, Eccentricity<3um	
	Chuck	Suitable for Shank diameter 4mm, 50mm length milling burs	
Milling	Tool library	12 tools, Integrated tool gauge	
Conditions	Compressed air	4-8bar(0.4-0.8Mpa), Air purity in accordance with: ISO 8573-1:2010,need to be equipped with a cold dryer	No air compressor needed
	Power supply	100-120VAC,200-240VAC, two types switchable,50-60Hz	
	Data interface	RJ45 Ethernet interface, 10/100M selfadaptive, required for networking.	
	Temperature	10-45°C	
	Humidity	80% relative humidity, non-condensing	
Certification	CE&FCC		
Size & Weight	Product Size	L*W*H 495mm*593mm*627mm	
	Product Weight	71 kg	
	Package size	L*W*H 730mm*620mm*900mm	
	Package Weight	94 kg	
Accessories	CAM	Support Millbox, Hyperdent, WorkNC and GO2CAM.	

# ADC-500 Milling Machine with Automatic Disc Changer



## Large Capacity Automatic Disk Changer

The 10-tray storage compartment significantly boost the machine's continuous operation capability, making it ideal for high-intensity production. It supports multi-variety materials and small-batch production, facilitating intelligent and efficient manufacturing processes.

## Negative Ion Generator

The integrated negative ion generator effectively minimizes waste produced during milling, particularly with materials like PMMA, improving overall efficiency and cleanliness.

## Pumas Remote Software

Our proprietary Pumas software streamlines the operation process and enables remote monitoring and control via LAN network, enhancing convenience and accessibility for operators.

## External Light Bar

The light bar features multiple status indicators for real-time monitoring and displays processing progress, providing clear and easy observation of the equipment's status.

## Automatic calibration

The machine automatically calibrates the milling origin and material storage coordinates simultaneously. This eliminates the need for manual adjustments after long-distance transportation, ensuring accurate and consistent performance.

## 90° Vertical Milling

Precision Engineered for Bionic Aesthetics, eliminate manual contouring & polishing and the feature can dramatically reduce post-processing workflow time and boost productivity.

## Storage Drawer

The storage drawer facilitates organized accessory management, protects various tools, and optimizes space utilization, enhancing overall operational efficiency.

## Tool Status Management

Real-time tool status and life monitoring enable accurate replacement scheduling. This feature prevents issues such as chipped tools and rework, thereby reducing economic losses and maintaining high-quality outputs.

# Specifications

Basic Information	
<b>Model</b>	ADC-500
<b>Method</b>	Automatic loading and unloading dry milling
<b>Compatible Materials</b>	Zirconium, PEEK, PMMA, Wax, Composite materials, and soft metals. Size:98.5mm
<b>Restorations Supported</b>	Crowns, Copings, Veneers, Inlays/Onlays, Bridges, Full dentures, and All-on-X.
<b>Body Structure</b>	Solid cast aluminum.
<b>Case</b>	Steel plate, medical white high-gloss paint, working hatch, accessories drawer
<b>Axis</b>	5 axis
<b>Linear axis</b>	Precision ball screw, precision guide rail, repeat accuracy $\pm 5\mu\text{m}$ , precision motor travel, X/Y/Z: 176/134/100mm
<b>Axis of rotation</b>	Equipped with a precision motor and precision harmonic reducer, with a repeatability of $\pm 0.01^\circ$ . Travel Range: A-axis: $\pm 32^\circ$ B-axis: $\pm 360^\circ$
<b>Control system</b>	Equipped with an 8-inch display, the 5-axis linkage controller features continuous path trajectory and dynamic acceleration/deceleration planning capabilities. It integrates an FPGA for high-speed parallel instruction processing and operates on a real-time operating system that supports standard G-code (RS274) and extended command. The controller includes integrated inverters for synchronous and asynchronous motors, offering greater flexibility and enhanced compatibility. It supports multiple analog and digital I/O channels and provides external USB port and RJ45 Ethernet interfaces.
<b>LED indicator</b>	Equipped with a high-brightness RGB LED light, providing illumination while also being capable of displaying various status indicators. Ready&Milling (White)/Finished milling(Green)/Error(Red)
Spindle	
<b>Regular</b>	High-frequency asynchronous spindle, tool change with air (do not rotate during tool changing), air seal to prevent foreign matter from entering.

<b>Rotate speed</b>	3000-60000rpm
<b>Power</b>	900W (5S, Pmax); 400W(S6), 250W(S1)
<b>Bearing</b>	High speed ceramic ball bearings, Eccentricity $< 3\mu\text{m}$
<b>Chuck</b>	Suitable for Shank diameter 4mm, 50mm length milling burs
Automatic device	
<b>Tool library</b>	12 tools capacity, Integrated tool gauge
<b>Material storage tray</b>	Hold up to 10 trays, maximum tray thickness is 35mm, tray outer diameter is 98.5mm
Milling mode	
<b>Dry milling</b>	The spindle ejects high-pressure gas for cleaning and cooling during milling
<b>Automatic disk changer</b>	The machine automatically loads and unloads materials, enabling 24-hours uninterrupted milling.
Conditions	
<b>Compressed air</b>	4-8bar(0.4-0.8Mpa), Air purity in accordance with: ISO 8573-1:2010, need to be equipped with a cold dryer
<b>Power supply</b>	100-120VAC, 200-240VAC, two types switchable, 50-60Hz
<b>Data interface</b>	RJ45 Ethernet interface, 10/100M self-adaptive, required for networking.
<b>Temperature</b>	10-45°C
<b>Humidity</b>	80% relative humidity, non-condensing
Certification	
<b>CE/FCC</b>	
Size & Weight	
<b>Product Size</b>	L*W*H 725mm*835mm*610mm
<b>Product Weight</b>	120 kg
<b>Package Size</b>	L*W*H 835mm*925mm*855mm
<b>Package Weight</b>	160 kg
Accessories	
<b>CAM</b>	Support Millbox

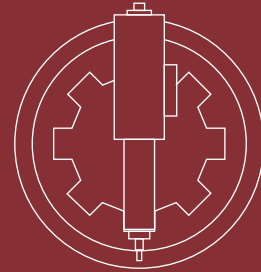
# S400/S410 Wet Milling Machine

Precision, Efficiency  
Reliability

*S400*



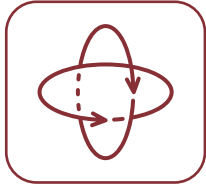
*S410*



**GERMAN-MADE  
Spindle**

No air compressor needed





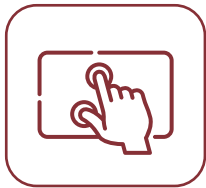
### 4-Axis Milling

Achieve unparalleled precision with our advanced 4-Axis milling technology. The S400/S410 ensures meticulous detail and perfect results, every time.



### Large Water Tank

The 3.5L water tank reduces the frequency to change cutting fluid and facilitate easier maintenance.



### Touch Display

Navigate through intuitive workflows effortlessly on the high-resolution 8-inch touch display. No need for a computer—just plug in a flash drive and get started immediately.



### High-Performance

The integrated 6-tool gauge delivers lightning-fast manufacturing, ensuring a seamless and efficient production experience.



### Robust Cast Aluminum Body

Constructed with cast aluminum, the S400/S410 minimizes vibrations and enhances stability, providing reliable performance even for the most demanding tasks.



### Versatile Connectivity

Connect effortlessly via the RJ45 connector for remote control. The S400/S410 adapts to your needs, enhancing your operational efficiency.

# Specifications

Category		S400	S410
<b>Basic Information</b>	<b>Method</b>	Wet milling	
	<b>Materials</b>	All common splimp materials (up to 45mm Length) and premilled abutments	
	<b>Restorations</b>	Crown, Coping, Veneer, Inlay/Onlay, Bridge, Abutment	
	<b>Structure</b>	Solid cast aluminum body	
	<b>Case</b>	Steel plate,medical white high-gloss paint,working hatch,accessory drawer	
	<b>Axis</b>	4 axis	
	<b>Linear axis X/Y/Z</b>	Precision ball screw, precision guide rail,repeat accuracy $\pm 5\mu\text{m}$ precision motor travel,X/Y/Z:80/70/70mm	
	<b>Axis of rotation A</b>	Precision motor, precision harmonic reducer, repeat accuracy $\pm 0.01^\circ$ A axis: $\pm 360^\circ$	
	<b>Control system</b>	Integrated FPGA high-speed parallel processing command,equipped with a real-time operating system that supports standard G command (RS274X) and extended commands.Integratied frequency converters for synchronous and asynchronous motors, make it more flexible and more compatible. Support multiple analog and digital IO.	
<b>LED indicator</b>	Multiple LED color indicator Ready&Milling (White) Finshed milling(Green)/Error(Red)		
<b>Spindle</b>	<b>Regular</b>	High-frequency asynchronous spindle, tool change with air (do not rotate during tool changing), air seal to prevent foreign matter from entering.	High-frequency asynchronous spindle, tool change without air (do not rotate during tool changing).
	<b>Rotate speed</b>	Maxium 60,000 rpm	
	<b>Power</b>	1300W (5S, Pmax),750W(S6),500W(S1)	800W(5S, Pmax), 450W(S1)
	<b>Bearing</b>	High speed ceramic ball bearings, Eccentricity<3um	
	<b>Chuck</b>	Suitable for Shank diameter 4mm, 50mm length milling burs	
<b>Milling</b>	<b>Tool library</b>	Detachable tool library, 6 tools, Integrated tool gauge	
	<b>Wet milling</b>	Equipped with multiple liquid nozzles, build-in water reserve container(3.5L) and filtration system, with sensors to monitor the flow of liquid, milling without grinding additives, it is recommended to add cutting fluid Dr. ST32 for premilled abutment processing.	

Category		S400	S410
<b>Conditions</b>	<b>Compressed air</b>	4-8bar(0.4-0.8Mpa),Air purityin accordance with: ISO 8573-1:2010, need to be equipped with a cold dryer	No air compressor needed
	<b>Power supply</b>	100-120VAC,200-240VAC,two types switchable,50-60Hz	
	<b>Data interface</b>	RJ45 Ethernet interface, 10/100M selfadaptive, required for networking.	
	<b>Temperature</b>	10-45°C	
	<b>Humidity</b>	80% relative humidity, non-condensing	
<b>Certification</b>	<b>CE&amp;FCC</b>		
<b>Size &amp; Weight</b>	<b>Product Size</b>	L*W*H 485mm*396mm*575mm	
	<b>Product Weight</b>	75 kg	
	<b>Package size</b>	L*W*H 590mm*540mm*830mm	
	<b>Package Weight</b>	80 kg	
<b>Accessories</b>	<b>CAM</b>	Support Millbox	

# X500 Wet and Dry Milling Machine

Precision, Flexibility  
Reliability

The X500 combines robust design and cutting-edge technology, making it the ideal solution for high-performance machine needs.



The X500 Wet and Dry Milling Machine is engineered for dental professionals who demand top performance and precision.

With its cutting-edge technologies, including versatile 5-Axis milling, an intuitive touch display, and time-saving auto-calibration, this machine is designed to deliver exceptional results with unwavering reliability.



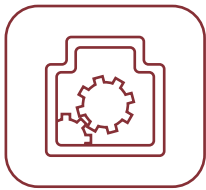
### Servo Control System

Ensure precise and smooth operation with enhanced control system.



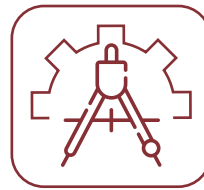
### Dry/Wet Milling Flexibility

Easily switch between Dry/Wet modes, compatible with most discs and block materials on the market.



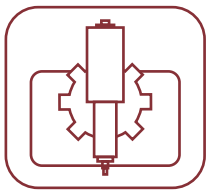
### One-piece Casting Aluminum Structure

Ensure high rigidity, stability, and durability.



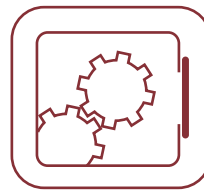
### Automatic Calibration

Simplify operation and ensure consistent accuracy.



### 2.5KW High-Power Water-Cooling Spindle

Provide efficient and reliable performance for a wide range of materials.



### Fully Sealed Silicone Processing Chamber

Offering excellent protection and minimizes contamination risks.

Regular	
<b>Method</b>	Wet and Dry
<b>Material</b>	Discs materials such as Zirconia, PEEK/PMMA, Wax, Titanium (98.5mm diameter), block materials such as glass ceramics (maximum size 20*20*40mm), and premilled blank
<b>Restorations</b>	Crown, bridge, inlay/onlay, abutment, veneer, and almost all types of dental restorations
Basic Information	
<b>Structure</b>	Solid cast aluminum body
<b>Case</b>	Steel plate, medical class white high-gloss paint, working hatch, water tank drawer
<b>Axis</b>	5 axis
<b>Linear axis X/Y/Z</b>	Precision ball screw, precision guide rail, repeat accuracy $\pm 5\mu\text{m}$ , servo motor control system, X/Y/Z: 215/115/105mm
<b>Axis of rotation A/B</b>	Precision motor, precision harmonic reducer, repeat accuracy $\pm 0.01^\circ$ A axis: $\pm 35^\circ$ B axis: $\pm 360^\circ$
<b>Control system</b>	Equipped with a 14-inch display, the 5-axis linkage controller features continuous path direction and acceleration/deceleration planning. It integrates an FPGA for high-speed parallel command and operates on a real-time operating system that supports standard G-code (RS274) and extended instructions. The controller includes an integrated inverter for synchronous and asynchronous motors, offering greater flexibility and enhanced compatibility. It supports multiple analog digital I/O channels and provides external USB and RJ45 Ethernet interfaces
<b>LED</b>	Multiple LED color indicator Ready&Milling (White)/Finished milling(Green)/Error(Red)
<b>Cabinet system</b>	The standard cabinet is equipped with a vacuum cleaner, chiller, coolant tank, and accessory box. The cabinet is connected to the milling machine via pipelines and wiring. The X500 controls the startup and shutdown of the devices within the cabinet automatically
Spindle	
<b>Regular</b>	High-frequency asynchronous spindle, tool change with air (do not rotate during tool changing), and air sealing device to prevent foreign objects entry
<b>Rotate speed</b>	Maximum 60,000 rpm
<b>Power</b>	2.5KW(S6, Pmax), 2KW(S1)
<b>Bearing</b>	High speed precision ceramic ball bearings, Eccentricity $< 3\mu\text{m}$
<b>Chuck</b>	Suitable for Shank diameter 6mm (Optional 4mm configuration), 55mm length milling burs
<b>Cooling</b>	The standing cabinet is equipped with a built-in chiller, and the milling machine controls the chiller's startup and shutdown automatically. And the chiller forms a circulation system to remove heat from the spindle

Tool library configuration	
<b>Tool library</b>	Detachable tool library design, with a single library capable of holding 21 units burs
<b>Protective system</b>	The tool library is equipped with an automatic dustproof and waterproof system
<b>Tool setting device</b>	Integrated tool guage with a chip blowing device
Milling mode	
<b>Dry Milling</b>	A standard cabinet that includes a dust collector. The milling machine controls the startup and shutdown of the dust collector automatically, and collects dust during the processing into the dust collector
<b>Wet Milling</b>	Equipped with multiple liquid nozzles, the standard cabinet contains a 15L cooling water tank and filtration system, along with a sensor to monitor the liquid flow rate. No grinding additives liquid needed for grinding ceramic cases, while for titanium milling, it is recommended to add a specialized cutting fluid in proportion
Conditions	
<b>Compressed air</b>	4-8bar(0.4-0.8Mpa), Air purity in accordance with: ISO 8573-1:2010, need to be equipped with a cold dryer
<b>Power supply</b>	100-120VAC, 200-240VAC (two types switchable), 50-60HZ
<b>Data interface</b>	RJ45 Ethernet interface, 10/100M self-adaptive, required for networking
<b>Temperature</b>	10-45 °C
<b>Humidity</b>	80% relative humidity, non-condensing
Certificate	
<b>All models</b>	<b>CE &amp; FCC</b>
Size&Weight	
<b>Size</b>	L/W/H: 64×77×175cm (Including cabinet)
<b>Weight</b>	X500: 165KG Cabinet: 100KG
<b>Package Size</b>	X500: L/W/H: 78×89×100cm Cabinet: L/W/H: 78×91×102cm
<b>Package Weight</b>	X500: 200KG Cabinet: 130KG
Accessories	
<b>CAM</b>	Support Millbox
<b>Accessories</b>	Center rod, center plate, vacuum tube, trachea adapter 6/8, 6mm tee X1, 8mm tee X1, pressure regulating filter valve, 1 set of milling burs, power cable, vacuum cleaner cable, wrench, user manual

# PF300 Sintering Furnace

Precision Engineered for Perfection



- **Effortless Control**

Intuitive interface to add/delete/edit sintering programs and curves.

- **Precision Redefined**

Smart PID control ensures uniform temp field and consistent sintering results.

- **Fail-Safe Protection**

Real-time power feedback prevents circuit burnout.

- **Extreme Performance**

Uses ultra-high temp TOKAI heating elements with large thermal redundancy, stable and reliable at high temp for exceptional stability and longevity.

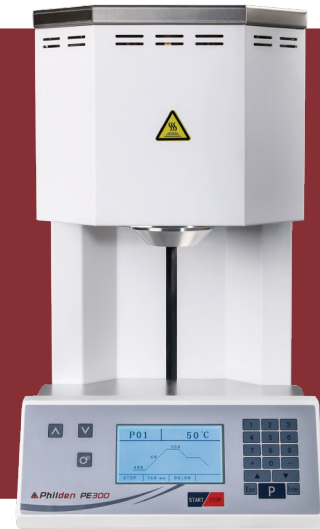
## Technical Specifications

<b>Furnace Type</b>	Lift type
<b>Display Mode</b>	Touch screen
<b>Maximum Temperature</b>	SiC rods: 1600°C
<b>Working Temperature</b>	SiC ≤1580°C
<b>Heating Rate</b>	Recommended: 20°C/min; Max: 30°C/min
<b>Fast Sintering</b>	Complete in 3 hours
<b>Heating Zone</b>	Single temperature zone
<b>Heating Area</b>	120mm × 120mm
<b>Temperature Accuracy</b>	±1°C

<b>Furnace Shape</b>	Cylindrical
<b>Sealing Method</b>	Disk tray
<b>Sintering Capacity</b>	≤100 units (two-layer crucible)
<b>Temperature Curves</b>	30 segments, time-temperature programmable
<b>Stored Programs</b>	20 preset sintering curves
<b>Overtemperature Alarm</b>	Yes
<b>Rod Breakage Alarm</b>	Yes
<b>Overcurrent Protection</b>	Yes
<b>Voltage</b>	AC 220V 50Hz
<b>Power</b>	2.5kW
<b>Thermocouple Break Alarm</b>	Yes
<b>Thermocouple Type</b>	Type B
<b>Heating Element</b>	Silicon Carbide Rod
<b>Chamber Material</b>	Alumina fiber
<b>Warranty</b>	1-year warranty, lifetime maintenance
<b>Packaging</b>	Plywood box
<b>Dimensions</b>	523 × 371 × 790 mm
<b>Net Weight</b>	65 kg

# PE300

## Porcelain furnace



- **Double-walled vacuum chamber**  
40% better thermal retention with isolated vacuum layer.
- **Quartz-protected heating elements**  
Heating evenly at 1150°C, twice longer lifespan.
- **Modular thermal insulation structure**  
Adopt modular thermal insulation core, More efficient insulation and 30% faster maintenance.
- **Dual-Layer Vacuum Chamber**
- **Automatic Lift Platform**
- **60+ Preset Sintering Programs**
- **Smart Maintenance Suite (Vacuum Test, Purge, Drying and etc.)**
- **Twin-Valve Vacuum Control**
- **Self-Diagnosis & Alerts**
- **Dual-Stage Sintering Process**
- **Real-Time Temp Compensation**

### Specifications

<b>Input Voltage/Frequency</b>	220v/50hz ± 10%
<b>Heating Rate</b>	10~100°C
<b>Maximum Input Voltage</b>	1200w+350 w
<b>Maximum Working Temperature</b>	1150°C
<b>Ultimate Vacuum Degree</b>	<30mmhg
<b>Constant Temperature Time</b>	00:30~30:00min
<b>Chamber Available Sizes</b>	φ 85x55(mm)
<b>Waterproof Level</b>	Ip x 1
<b>Fuse1/Fuse2</b>	3.0A/8.0A
<b>Weight</b>	26.5kg
<b>Physical Dimension</b>	W*D*H 330mm*420mm*560mm

# R-407-1 Vacuum Cleaner



## Highly efficient

Up to 24m/s strong suction force  
Capable of filtering 8-micron particles.

## Silent Operation

Noise level below 65 dB

## Remote Control

One touch to start vacuuming.  
Periodic dust removal.  
Synchronize with milling machine.

## Long service life

Brush-less motor, service life > 20,000 hours

### Specifications

<b>Model</b>	R-407-1
<b>Voltage</b>	220V
<b>Electric current</b>	4A
<b>Power</b>	1200W
<b>Frequency</b>	50Hz/60Hz
<b>Weight</b>	47kg
<b>Size</b>	42*46*66cm

# E-402

## Single station vacuum cleaner



- Single working position vacuum cleaner
- Low noise, with sound noise of 50-60 dB
- Using stepless variable speed brushless motor to ensure the quality and more than 20000-hours running time.
- Super strong suction, the maximum wind speed can be 30m/s
- Manual dust removal, sustainable long-term use, high-efficiency filter element, can filter 8um mparticles, easy to maintain and clean
- Can be connected to sander, with a modern touchscreen display.

Specifications	
<b>Model</b>	E-402
<b>Voltage</b>	AC 220 V
<b>Electric current</b>	AC 0.7A
<b>Power</b>	150 W
<b>Frequency</b>	50 Hz
<b>Size</b>	410*260*540mm
<b>Weight</b>	15 Kg
<b>Negative Pressure</b>	3.5 kPa(Ø50mm)
<b>Rate of air flow</b>	2.9 m <sup>3</sup> /miniute(Ø50mm)
<b>Noise dB</b>	< 69 dB



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