



WHITEPEAKS

DENTAL SYSTEMS

...perfection for a lifetime



Calidia Pro 5x white

- 5 axes CNC milling system (5 servomotors for simultaneous processing)
 - 4th axle rotates up to +/- 30° due to "Harmonic Drive" system.
 - 5th axle rotates 360°- due to "Harmonic Drive" system.
 - dry milling of zirconium, aluminum oxide, PMMA, composites, splint resins, wax and all common model materials.
 - up to 50 units can be placed and milled in one blank.
 - designed as solid portal frame construction from stainless steel.
 - safe positioning and high milling speed due to direct servo controlling.
 - high resolution encoder feedback of the servo motors with up to 160.000 impulses per rotation for maximum accuracy and unsupervised production cycles.
 - high quality ball screws in x,y and z axes enable a repeat accuracy of up to 0.01 mm.
 - tool changer with 16 slots and digital tool measuring system. Extra tool changer can be added on request.
- high frequency spindle from "IBAG - Switzerland", equipped with pneumatic direct tool changing system for 6mm shaft tools and 60.000 rpm. Other tool chucks for 4mm or 3mm shafts on request
 - motor management and servo controllers from „Jenaer Antriebstechnik – Germany“
 - self sustaining CNC-controlling and programmable direct control for feeding data into the special developed CAM software. The internal control module also supervises the system during overnight production.
 - control with polynomials function to transfer the straight STL-lines into polynomials ones for harmonic operation and smooth surfaces.
 - production management control by tablet PC – internal PC based on Windows 7.
 - machine status data displayed by colored LED's inside the milling chamber.
 - interior camera for remote maintenance and milling surveillance.
 - airflow guidance in the centre of the operation area ensures maximum disposal of dust and chips.

Transport system	Carrying bars, forklift, lifting car
Power supply	230 Volt, 50 – 60 Hz
Air supply	7 - 8 bar
Dimensions approx.	w 785 mm, d 785 mm, h 1.850 mm
Weight approx.	350 kg




Made in Germany

Calidia Pro 5x Black

- all features mentioned above plus:
- including the upgrade to a wet milling system for the milling of chrome cobalt, titanium alloys.
- comes with the base frame, equipped with integrated cooling agent container, filter device and pump.


Dimensions approx.	w 785 mm, d 785 mm, h 1.850 mm
Weight approx.	380 kg

 Made in Germany

Calidia Pro 5x Blue

- all features mentioned above plus:
- including the upgrade to a wet milling system for the grinding of feldspathic and lithium-disilicate ceramics (blue blocks)
- extra (second) cooling agent container, filter device and pump for special cooling fluid.


Dimensions approx.	w 785 mm, d 785 mm, h 1.850 mm
Weight approx.	400 kg

 Made in Germany

Calidia Pro 5x Blue α

- all features mentioned above plus:
- including the upgrade to a 4 disc material changer

Dimensions approx.	w 785 mm, d 785 mm, h 1.850 mm
Weight approx.	430 kg

 Made in Germany

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