Advanced CAD/CAM technology for the perfect smile
Delivering tangible improvements to every layer of dentistry
The new Practice Lab Solution 140i from imes-icore is space-saving and compact due to its minimal size. The Practice Lab Solution 140i is particularly suitable for the production of customised fully ceramic restorations directly in your practice laboratory.

**INDICATIONS:**

Excellent processing precision of all essential dental materials in the range of wet and dry milling in 4 axes processing:

- Zirconium oxide
- Aluminium oxide
- Wax
- Resins e.g. PMMA / composite
- Lithium disilicate
- Glass ceramics
- Feldspar ceramics
HIGHLIGHTS:

- Very economical due to efficient cost-benefit ratio, resulting in a shorter payback period
- Stable, compact chassis construction available in steel or aluminium
- High quality machine components
- Specially designed swinging hood for ergonomic opening and closing
- Tool lifetime control / tool breakage control
- Simplest tool management
- Simplest handling: With one click to an excellent result
- Highest precision by high-frequency spindle with up to 60,000 rpm
- 4 axes processing of material blocks (with undercut acquisition)
- Applicable in practice laboratories or as additional laboratory system
- Flexible adapter system facilitates the use of different CAD/CAM block systems
- Including control PC based on Windows
- Available with optional machine table

TECHNOLOGY:

- Dry and wet processing with integrated cooling liquid cycle
- Machine integrated cooling liquid basin, filter station and pump
- Simplest connection to CAM software
- High-definition micro step controller and motors in all axes
- One processing station with 360° axis with precision gearing for vibration-free stability
- High-frequency spindle “Jäger” with up to 60,000 rpm
- Integrated purging device and three cooling nozzles for wet processing in spindle holder
- Suction unit for perfect exhausting of arising dust
- Automatic 6-times tool changer
- Tool holder with 3 mm shaft
- Integrated precision length measuring switch
- Including control software Remote DENTAL 2.0 with tool breakage and tool lifetime control
- 115 V / 230 V versions
- Consumption of compressed air approx. 50 l/min (min. 6.0 bar)
- Weight: 55 kg
- Dimensions: 430 x 365 x 528 mm (w x h x d)

Contact us today for more information
Core3dcentres 240i
The entry with precision

The Practice Lab Solution 240i from imes-icore allows the productive entry in the dental CAD/CAM automation.

INDICATIONS:
Processing of all essential dental materials by dry and wet milling with 4 axes processing:

- Zirconium oxide
- Aluminum oxide
- Resins like PMMA / composite (also as blocks)
- Wax

As an option the Practice Lab Solution 240i is also available for wet processing of glass ceramic blocks, feldspar and lithium disilicate
**HIGHLIGHTS:**

- Very economical due to efficient cost-benefit ratio, resulting in a shorter payback period
- Fully automatic 10-times tool changer including automatic tool length measurement
- Tool lifetime control with display
- Automatic tool breakage control
- Simplest tool management and blank equipping
- Simplest handling: With one click to an excellent result
- Night mode: After successful completion the software switches off automatically.
- Highest precision due to a high frequency spindle with up to 60,000 rpm
- Undercut processing through active use of the rotary axis
- Extension in larger labs and milling centres
- Milling of approximately 45 units without changing a blank
- Available with adequate machine table

**TECHNOLOGY:**

- Stable, compact chassis construction as table version available in steel and aluminium
- Swinging hood with gas spring for ergonomic opening and closing
- 4 axes processing (NC-controlled)
- Simplest connection to iCAM V4.6 and iCAM V5 software
- High-definition micro step controller and motors in all axes
- Rotary axis with transmission for high stability
- One processing station with NC-controlled, automatic 360° axis and real 4 axes simultaneous processing
- High-frequency spindle “Jäger” with up to 60,000 rpm
- Cooling vent integrated into spindle holder
- Suction unit with closed lid for perfect exhausting of arising dust
- Automatic 10-times tool changer
- Tool holder with 3 mm shaft
- Integrated precision length measuring switch up to 2 μm
- Automatic air pressure control
- Including control software Remote DENTAL 2.0
- 115 V / 230 V versions
- Consumption of compressed air approx. 60 l/min (min. 6.0 bar)
- Weight: 106 kg
- Dimensions: 506 x 670 x 738 mm (w x h x d)

Contact us today for more information
Core3dcentres 250i
The compact 5 axes machine system for wet and dry processing

The newly developed Practice Lab Solution 250i is the compact 5 axes machine system for wet and dry processing. Experience the complete flexibility with imeclore’s new and solid machine conception that stands out due to the use of professional machine components.

INDICATIONS:
Processing of all essential dental materials in the range of wet and dry milling in 5 axes processing

- Zirconium oxide
- Aluminium oxide
- Resins e.g. PMMA / composite
- Wax
- Glass ceramics, feldspar ceramics, lithium disilicate
HIGHLIGHTS:

- 5 axes processing with axis alignment up to 30°
- Fully automatic 10-times tool changer including automatic tool length measurement
- Tool lifetime control / tool breakage control
- Integrated precision length measuring switch
- Integrated tank and cooling liquid cycle
- Simplest tool management and blank equipping
- Simplest handling: With one click to an excellent result!
- Night mode function: After successful completion the software switches off automatically.
- Highest precision by high frequency spindle with up to 60,000 rpm
- Applicable as flexible, affordable starter model as well as additional laboratory system in larger laboratories and milling centres
- Milling of approximately 45 units without changing a blank
- Including control-PC based on Windows
- Available with adequate machine table

TECHNOLOGY:

- High quality and polished basic granite plate for highest precision and stability
- 5 axes processing 3+2 or 5 axes simultaneous processing
- Simplest connection to CAM software
- High-definition and high-performance (up to 8 A) micro step controller and motors in all axes
- Processing station as rotating and pivoting axis with
- Harmonic Drive® gearings for highest vibration-free stability
- High-frequency spindle “Jäger®” with up to 60,000 rpm
- Integrated purging device and three cooling nozzles for wet processing in spindle holder
- Suction unit for perfect exhausting of arising dust
- Machine integrated cooling liquid basin, filter station and pump
- Automatic 10-times tool changer as direct tool changer
- Tool holder with 3 mm shaft
- Integrated precision length measuring switch up to 2 μm
- Automatic control of air pressure and cooling liquid
- Including control software Remote DENTAL 2.0 with tool breakage and tool lifetime control
- 115 V / 230 V versions
- Consumption of compressed air approx. 60 l/min (min. 6,5 bar)
- Weight: 85 kg
- Dimensions: 520 x 550 x 650 mm (w x h x d)

Contact us today for more information

www.core3dcentres.com
Core3dcentres 450i
Complete flexibility in machining of all essential materials

The Practice Lab Solution 450i from imes-icore offers you complete flexibility in machining of all essential materials in 5 axes simultaneous processing. Shall it be the conventional processing of crown and bridge constructions or complex geometry like abutments, removable partials or the milling of tooth models, Practice Lab Solution 450i leaves nothing to be desired.

Optionally, the Practice Lab Solution 450i can be connected to a 6- to 20-times blank magazine. Allowing, the Practice Lab Solution 450i to be adapted for digital dental technology milling centres, with additional standards on high unit output.

INDICATIONS:
Processing of all relevant dental materials with 5 axes simultaneous processing on every kind of indication

- Zirconium oxide, aluminium oxide
- PMMA, composites, resins, wax
- CoCr (optional)
- Glass ceramics, feldspar, lithium disilicate and titanium (optional)
- Models, surgical guides, removable partials
HIGHLIGHTS:

● 5 axes simultaneous processing with three linear axes and one rotation swinging unit offers full flexibility

● Wet and dry processing allow the machining of all essential dental materials

● The integrated high-performance controller guarantees highest dynamic and speed on optimised precision

● The fully automatic 12-times tool changer including automatic tool length control allows the complete tool assembly for all usable materials

TECHNOLOGY:

● Rigid, industrial, heavy duty steel/aluminium table top design

● Swinging hood with integrated gas spring for ergonomic opening and closing

● 5 axes simultaneous processing

● High-performance servo controller in combination with powerful 200 W motors

● Includes a compact high-class control-PC in a modern design based on Windows

● Modern 19" TFT display

● High-frequency spindle with up to 60,000 rpm

● Wet processing with cooling liquid circuit (optional)

● Blank magazine for up to 20 blanks (optional)

● Automatic 12-times direct tool changer

● Integrated high-precision tool length sensor

● Automatic air pressure control

● Established blank holder for blanks with a diameter of 98,5 mm

● 115 V/230 V versions

● Compressed air consumption approx. 60 l/min (min. 6.0 bar)

● Weight machine: 180 kg

● Weight blank magazine: 70 kg

● 730 x 820 x 820 mm (w x h x d) without blank magazine

● 2150 x 1770 x 920 mm (w x h x d) with blank magazine and machine table

Contact us today for more information
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