

PREVIEW
NEW2026

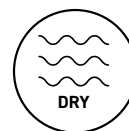
FAIMOND



DENTAL
COMPONENTS DEDICATED

XD LAB

**COMPACT, VERSATILE
AND POWERFUL**
5-AXIS CNC DENTAL
MILLING MACHINES



The new XD LAB-4, compact yet highly performing, is a 5-axis continuous CNC milling machine designed for small and medium-sized dental laboratories seeking a high-performance solution.

It is ideal for machining a wide range of materials, from ceramics to titanium.

The compact, highly rigid mechanical structure of the frame, combined with advanced electronics and superior-quality components, ensures maximum precision and speed.

The new XD LAB-4 features a 4-position magazine, allowing for several hours of continuous operation.

The wide axes inclinations allow for highly parallel machining and guarantee extremely accurate and detailed finishes.

Equipped with advanced technology and characterized by an innovative design, the XD LAB-4 offers a powerful and precise milling system, compatible with leading dental and industrial CAM software.

It is equipped with a 3.0 kW liquid-cooled electrospindle with up to 60,000 rpm and a 20-position automatic tool changer with collet attachment. The integrated 18" LCD touch control panel allows for simple, intuitive, and immediate management of operations.

OPTIONAL: MACHINE SUPPORT TABLE

The dedicated support table, which houses, in a practical and functional way, the filtering and lubrication system, the cooling system, and the vacuum cleaner. To further facilitate cleaning, the table is equipped with wheels with integrated feet. The ease of cleaning and elegant design make the table the perfect complement to the milling machine.

INCLUDED IN THE STANDARD MACHINE

- Machine software usage licenses (CNC)
- n.1 Pod/disc holder with "ZERO" connection
- for quick change
- RTCP function (precise control of the tool tip and movement of the piece origin)
- Tool presetting
- Predisposition for "INDUSTRY 4.0" activation
- Keys and service tools for first use
- System and control (file) for machine centering which includes 2 specific cutters and a resin disc

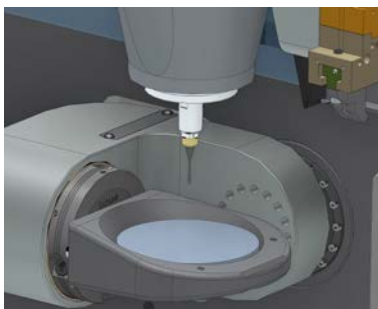
NOT INCLUDED IN THE MACHINE

- Cad/Cam
(the CAM software is at the customer's choice)
- License for "INDUSTRY 4.0"

20-POSITION TOOL MAGAZINE WITH PROBE



DIVIDING DEVICE AND SPINDLE WORK AREA



4-POSITION POD LOADER, ALLOWING UP TO 48 HOURS OF WORK AUTONOMY



TECHNICAL CHARACTERISTICS

Mechanics / Electronics		XD LAB-4
Brushless Motors		absolute encoder
Number of Axis Motors		6
Rotation Angle		A= - 90° / + 40°
Number of Axes per Type of Operation		5-axis, simultaneous machining
Spindle maximum Power		3kW
Maximum Spindle Speed		60.000 rpm
Spindle Cooling		liquid
Automatic Tool Change		20 positions
Powder Bed Presence Sensor		yes
Tool Length Measurement Control		precision mm ≤ 0,002
Tool Breakage Control		yes
Automatic Tool Measurement Probe		yes
Loading Pods		4
Corse assi X, Y, Z		mm 100 x 100 x 140
Monitor		monitor touch 18"
Maximum Tool Shank Diameter		6 mm
Working Feed Rate		0-20.000 mm/min
Space / Connections		
Dimensions machine (L x W x H)		mm 750 x 750 x 930
Dimensions machine + support table (L x W x H)		mm 750 x 750 x 1800
Weight (machine)		300 kg
Elettric Supply		230 50/60 Hz singlephase
Pneumatic Supply		7 bar
Compressed Air Consumption		80 l/m
Total Power Consumption		1 kw
Software Configuration		
Configuration for specific CAM software: on customer request with the possibility of machine configuration for alternative software		
Accessories on request		
Pre-milled door with 4,6,8 places		
Machine support table		

FAIMOND

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Software Partners

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MADE IN ITALY