

A New Paradigm in All-on-X Metal Milling

CRAFT **PRO**





Turning Imagination into Reality — Redefining the Standards of Metal Milling

Introducing DOF's new high-end metal milling machine, powered by proprietary technology. With exceptional precision and unparalleled performance, it effortlessly processes all types of materials, expanding the possibilities of metal milling without limits. A complete solution where power meets finesse — now, it's time to add perfection to your workflow.



Equipped with AC Servo Motors

Precision control + high-speed machining achieved simultaneously. The optimal choice for metal milling!



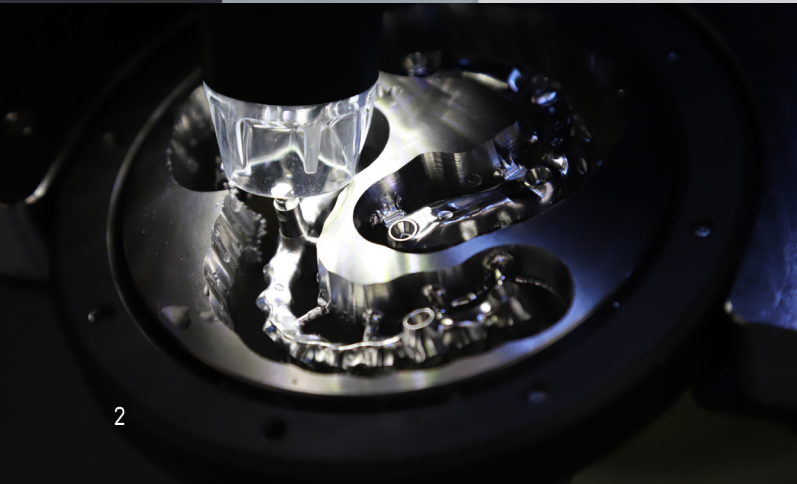
Integrated Linear Scale

Ultra-precise machining accuracy through microscopic position correction



High-Power Spindle Installed

SycoTec(Germany) 3.6kW, 60,000RPM



Precision on Another Level

AC Servo Motor × Linear Scale

Not Just Movement — Precision You Can't See, But Will Definitely Feel

CRAFT PRO goes beyond simple positioning. With ultra-precise 0.5µm real-time feedback from servo motors and linear scales, it delivers unparalleled stability at high speeds and repeatable accuracy every time.

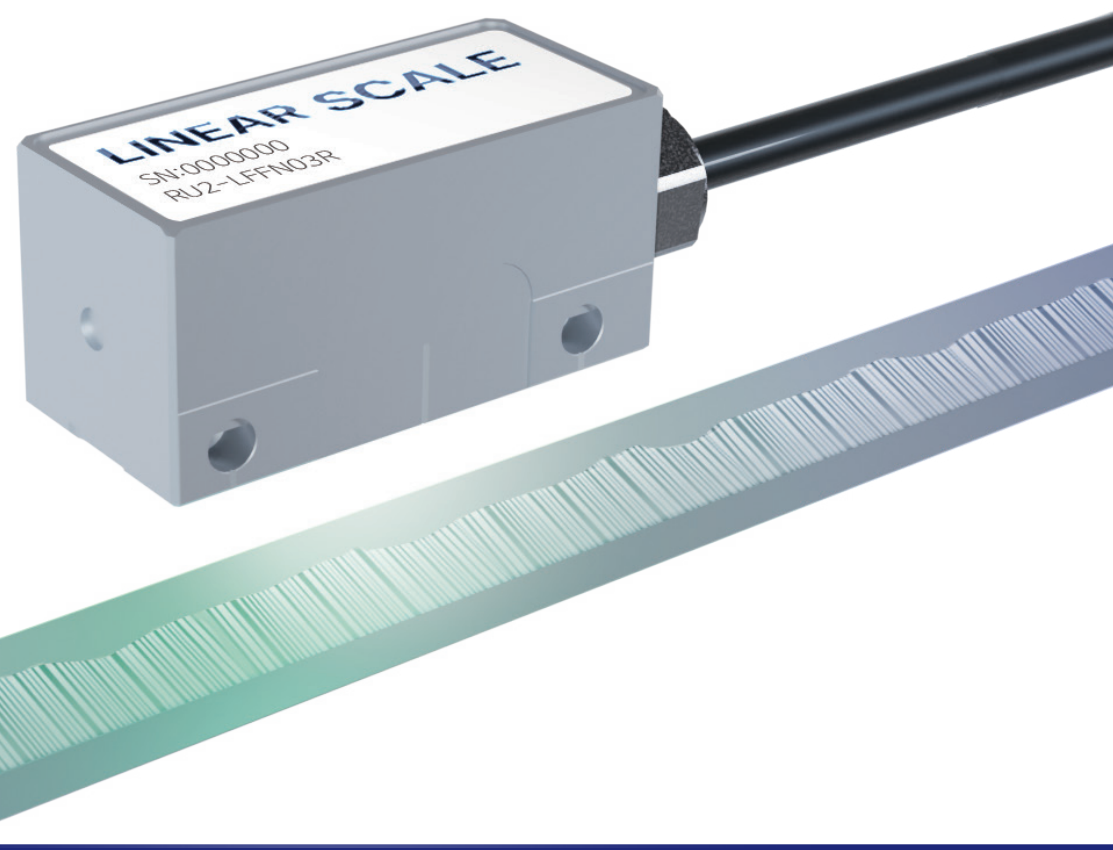
Flawless precision, even in the smallest details. CRAFT PRO doesn't allow for error — experience the difference in every result.

AC Servo Motor

- Accurate positioning at high speed
- Stable machining with real-time error compensation
- ±0 level precision in repeated operations

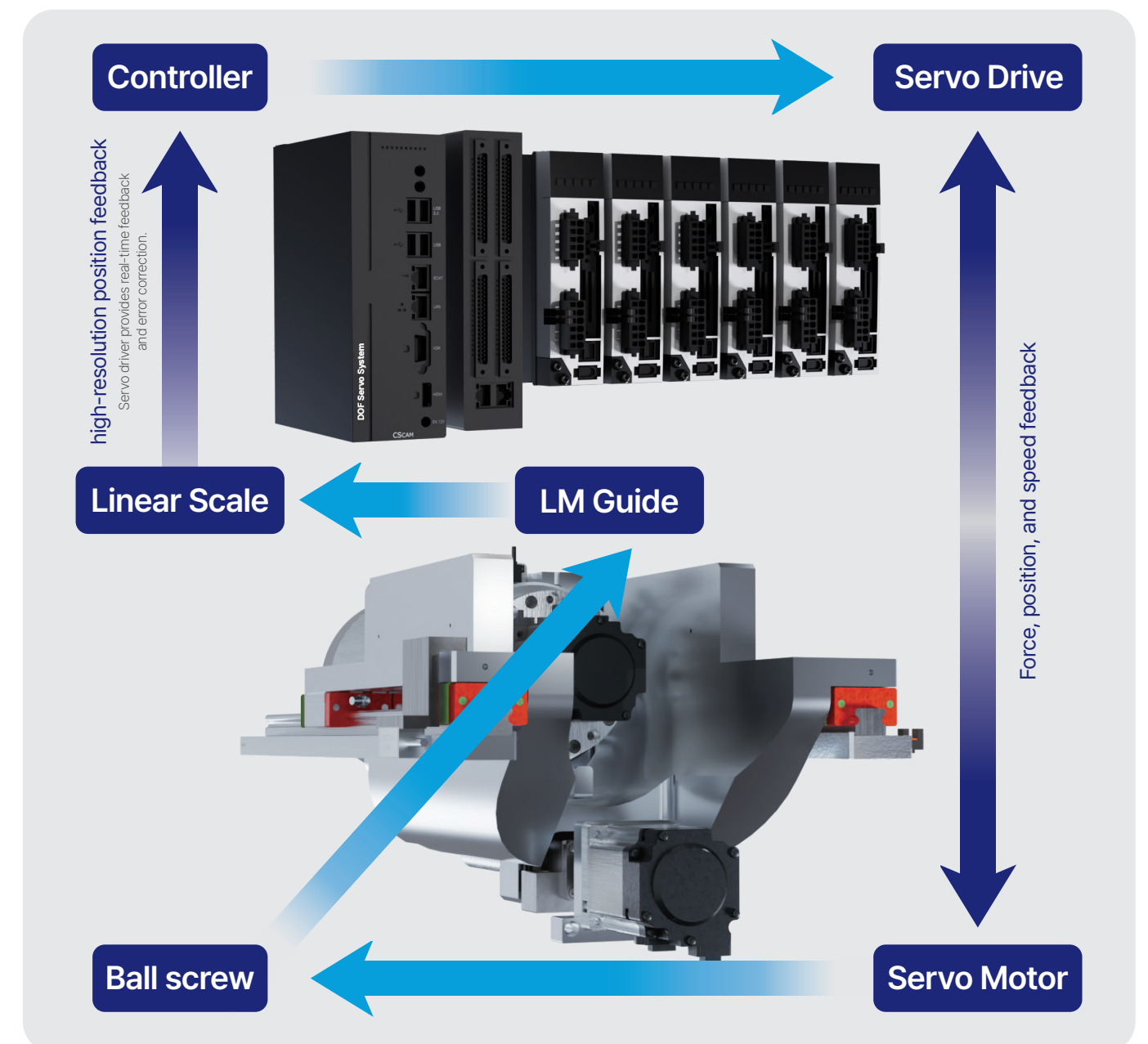
Linear Scale

- Ultra-precise real-time measurement and correction (0.5µm resolution)
- Maintains repeat accuracy even under changing external conditions
- Delivers uniform and clean surface quality



Closed-Loop System for Complete Precision

Metal milling requires ultra-precise control, as even the smallest deviations can have a significant impact. Through a precision feedback loop composed of a servo motor, drive, and linear scale, CRAFT PRO detects positioning errors in real time and automatically compensates for them. By integrating high-precision control and measurement, CRAFT PRO consistently delivers predictable, high-accuracy machining.





01

Powerful Yet Precise – SycoTec Premium Spindle

DOF's new machine features a SycoTec spindle (max. 3.6kW, 60,000RPM) for stable processing of even the hardest metals. The ultra-high-speed rotation achieves ultra-fine detailing while minimizing vibration. It also minimizes tool wear, extending the overall tool life.



02

Massive 40-Tool Capacity Seamless and Highly Efficient Operation

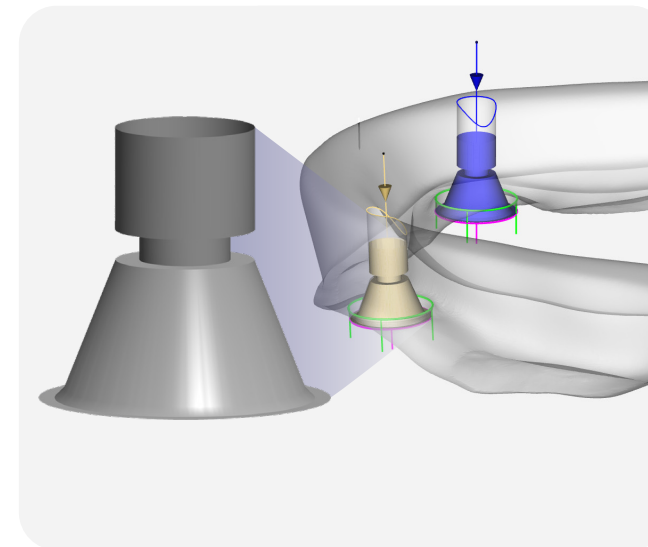
With up to 40 tools, including special tools, the system offers unmatched flexibility for various workflows. Automated tool changing minimizes repetitive tasks and ensures stable, high-precision prosthetic milling for implants.



03

Custom CAM Templates for Optimized Strategies

Various machining strategy templates are available, tailored to user needs—whether speed-oriented or quality -focused. Select templates based on material characteristics or part geometry to precisely control machining time and output quality. Reduces the hassle of strategy setup and ensures stable results regardless of user experience.



04

Dedicated Geometry Library Achieving Ultimate Precision in MUA Milling

Achieve unmatched accuracy with a specialized geometry library for implant MUA milling. Optimized CAM data enables precise reproduction of fine geometries, reducing machining errors and improving process consistency. Shape-based strategies ensure excellent fit and minimize post-processing.

MOTION_{APP} × DOF SYNC

Smart Connectivity Anytime, Anywhere

Monitor machine status and milling progress in real time—anytime, anywhere.

Stay connected to your milling machine in real time via the 'Motion App' for smartphones and the DOF Sync App for PC.

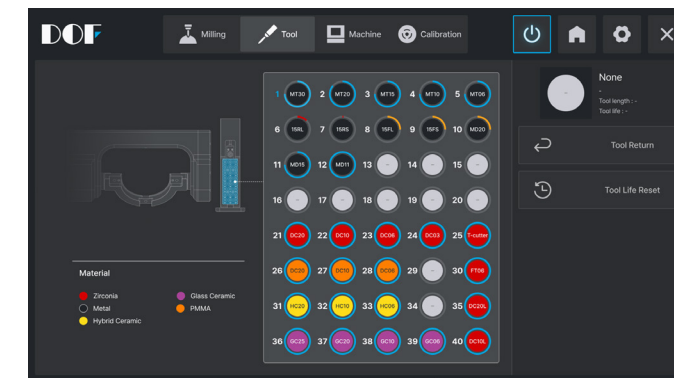
Start a faster, more efficient workflow with truly smart device operation.

Monitor equipment status, manage schedules, view processing history, and receive alerts – all in one integrated system.



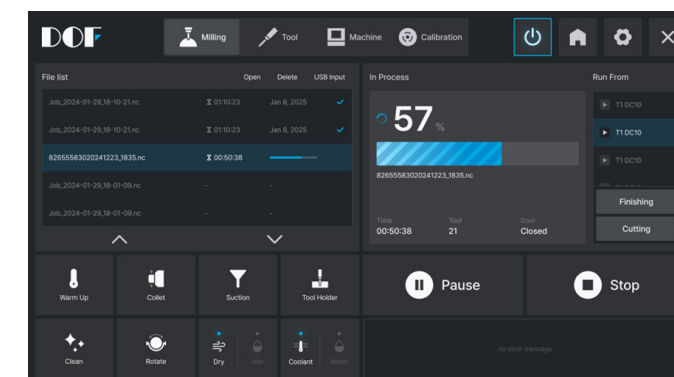
More than an Upgrade

All-new! Motion App



Instant Tool Life Overview

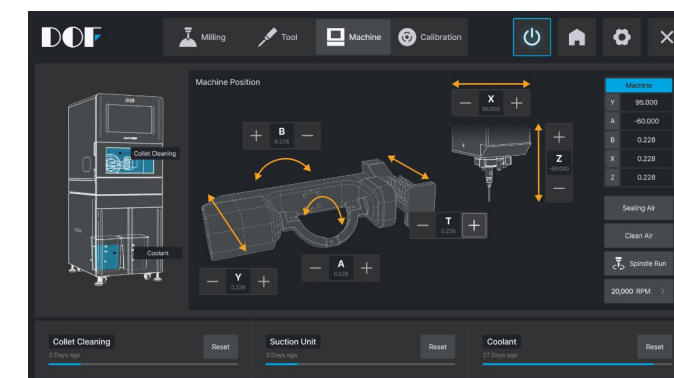
Track each tool's status and position with a clean, easy-to-use UI for a more efficient workspace.



Customizable Workflow Control

From tool selection to starting position, freely configure your workflow.

Easily resume interrupted jobs and monitor progress in real time.



Smart, Easy-to-Use Control System

Control axis movements and set starting positions through a visual interface.

Real-time equipment monitoring provides an intelligent, user-friendly operating environment.



Materials & Indications

	Coping / Crown	Bridge	Inlay/Onlay	Veneer	Over Structure	Abutment
Zirconia PMMA Wax	✓	✓	✓	✓	✓	
Glass Ceramic Hybrid Ceramic	✓	✓	✓	✓		
Titanium Disk Co-Cr Disk	✓	✓			✓	✓

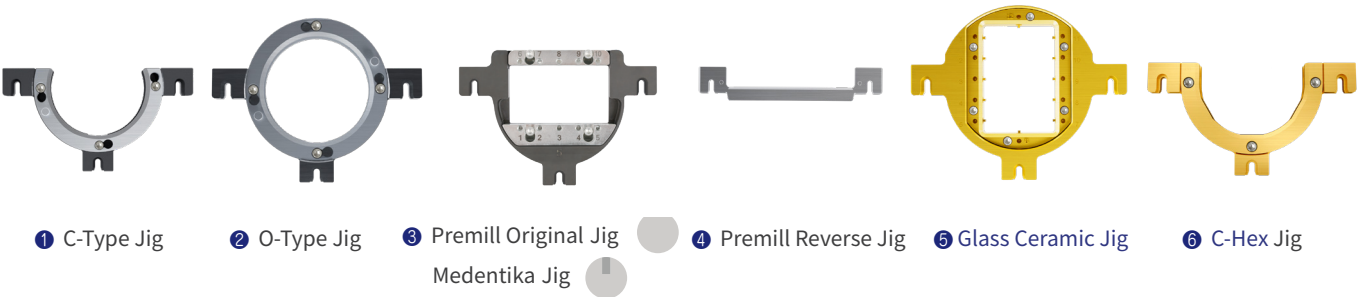
Premill Blank Jigs

Premill Blank	Original Jig	Reverse Jig	Medentika Jig	Straumann	Planmeca

Metal Abutment Types

Metal Abutment	Submerged	Internal	External	MUA	Thread

Parts



Tool List

Metal Ball End Mill	3.0 / 2.0 / 1.5 / 1.0 / 0.6	Zirconia / PMMA Ball End Mill	2.0 / 1.0 / 0.6 / 0.3 / 2.0L / 1.0L
Metal Bullnose Mill	1.5 Short / 1.5 Long	Zirconia / PMMA Special Tool	Bullnose 1.5 T-cutter 2.0 / 1.8 / 1.6 / 1.4
Metal Flat End Mill	1.5 Short / 1.5 Long	Metal Reamer	2.4A90 / 2.3A180 / 2.6A180
Metal Drill	2.0 / 1.5 / 1.1	Metal Thread	M2.0*40 / M1.8*35 / M1.6*35 / M1.4*35
Glass Ceramics Grinding	2.5 / 2.0 / 1.0 / 0.6		

Specification

Product Name		CRAFT PRO
Feature	TruMotion	5 Axis AC Servo Motor
		0.5µm Linear Scale
	Spindle Power	Max. 3.6kW / 60,000 RPM
	Tool Quantity	40ea
	Connectivity	LAN + Wifi (Mobile MotionApp / DOF SYNC)
	Material Compatibility	Titanium, Co-Cr Disk, Pre-milled, Zirconia, PMMA, PEEK, Wax, Glass Ceramics, Resin
	Wet and Dry	Wet : 3-nozzle coolant AC motor spray system Dry : 5-level adjustable suction power
	Angulation	A Axis ±360° / B axis ±35°
	Operation	MotionApp 3.0 with 21.5 inch display
Dimensions(W*D*H)		Machine 725 x 901 x 992 mm Table 725 x 901 x 883 mm
Weight		Total 350kg
CAM Software		hyperDENT, Millbox
Power Requirement		220V, 16A
Min. Compressor Requirement		50L/min at 7bar

About DOF Inc.

DOF is a CAD/CAM solution company specializing in developing the world's best 3D dental scanners and dental milling machines. Since the foundation in 2012, DOF has been bringing a new sensation to the industry and has been indicating a rapid growth through developing camera moving scanners. DOF always leads the market through developing innovative products such as FREEDOM X5, a 5-megapixel 3D dental scanner boasting the highest precision in the world, and FREEDOM F, a face scanner capable of directly reproducing the face of a patient into 3D data.

DOF promises to grow as we communicate with our customers. Every product provided by DOF is planned and designed through taking into consideration what functions are required by our customers and what may be considered inconvenient by our customers. Even after a product is complete, DOF continuously applies the feedback provided by our customers to improve our products. To help our customers work more conveniently and joyfully is the dream and future DOF envisions.



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Design and specifications are subject to change without notice to improve performance.

