

Media Release

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New milling machines for the digital age

PrograMill: digital manufacturing of highly esthetic restorations

Ivoclar Vivadent is introducing four new milling machines which, together with the the innovative materials and coordinated processes offered by the new Ivoclar Digital product portfolio, fulfil the exacting standards of modern dental laboratory and clinical technology.

PrograMill One: the new benchmark

PrograMill One is the world's smallest 5-axis milling machine. It combines industrial manufacturing quality with high precision and modern design. In the innovative 5-axis turn-milling technique, the workpiece rotates around the tool. The feed remains constant; the tool never leaves the block. This ensures short milling times and minimal tool wear. Various validated processing strategies are available for different materials and indications. The machine's wireless capabilities allow it to be operated from any location with the help of a special app for tablets and smartphones. The optical status display shows the current status of the machine. PrograMill One is coordinated with the scanners and design solutions from 3Shape. The unit has been developed for milling IPS e.max in particular.

PrograMill PM7: dynamic flagship machine for laboratories

PrograMill PM7 is capable of milling a large variety of materials in a wet and dry state. It is suitable for a wide spectrum of indications. The 5-axis milling process is controlled by means of an integrated PC with a touch-screen monitor. The material and tool changers work in unison so that the fabrication process proceeds independently and without interruption. The centralized management of the contents of the material changer and the tool magazine ensures that the correct milling strategy is used. An ionizer reduces the cleaning requirements when PMMA materials are processed. All in all, the PM7 offers a future-proof solution for manufacturing prosthetic restorations.

PrograMill PM3/PM5: economical and precise

PrograMill PM3 and PM5 are designed for wet-grinding and dry-milling procedures. They are capable of processing a wide range of materials for many indications. The fully automatic materials manager checks the compatibility of the tools and milling strategies. The tool changer ensures consistent, uninterrupted manufacturing. The integrated 8-disc material changer of PrograMill PM5 allows you to accomplish several milling jobs involving different materials and indications at the same time. Individual machining strategies offer short process times for the respective restorations.

Comprehensive range of accessories

A comprehensive range of accessories supplements the new machine portfolio. It comprises software programs, a common base station, innovative colour-coding to ensure the reliable handling of materials as well as a wide range of tools and special attachments.

IPS e.max® is a registered trademark of Ivoclar Vivadent AG.

Captions:

(PrograMill.jpg)

Fig. 1: PrograMill: new milling machines shape the digital future

(PrograMill One.jpg)

Fig. 2: World's smallest 5-axis milling machine: PrograMill One

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