

voxelcare

ONLINE CAD/CAM SYSTEMS

IN-CLINIC DESIGN AND MILL:

FAST AND SIMPLE

Scan | Design | Mill

Sophisticated, yet simple in-clinic system to produce milled orthotics.

Scanned 3D and 2D files seamlessly feed into Voxelcare's design and milling software, which is easy to use and utilises cloud-based software.

The orthotics are then produced in the Voxelcare high performance milling machine. It uses unique two-sided powerful and precise European milling technology to manufacture both accommodative and functional orthotics.



INNOVATIVE VCM70

Outstanding performance and accuracy

The Voxelcare VCM70 Orthotic CNC Milling Machine is a high-end 1 pair production model for companies or practitioners who would like to start producing EVA orthotics in-clinic.

Manufactured in under 20 minutes, orthotics can be milled on both sides, saving time on manual grinding and finishing.

The powerful dust extraction unit and vacuum pump are integrated in the base unit. The machine can be controlled from the supplied tablet as well as from a networked computer.

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Voxelcare is a software/hardware company with over 15 years of experience in the development of industrial CAD/CAM software applications, scanning devices and CNC milling machines. Featuring state of the art technology, the system covers the full range of scanning, designing and manufacturing needs of today's footcare specialist.

Analysis and scanning options

Orthotics can be designed based on your own 2D, 3D or pressure data as well as data obtained from Voxelcare scanners. These scanners seamlessly integrate with the cloud based design software. They include:

2D Lightbox Scanner

Scan and analyse feet in 2D. Efficient scanning within 10 seconds with high quality output. View scanned feet in image mode or in pressure mode. Integrated software provides foot length, width, type (normal), pronation, supination and shoe size (up to size 60).

3D Laser Foambox Scanner

High resolution 3D scan: foam boxes, positives, insoles, insoles and lasts in just 10 seconds.

3D Laser Scanner

Scan a foot in weight or non-weight bearing position in less than 7 seconds. Lightweight and mobile, it generates 3D foot shape including foot texture. It scans foam boxes, positives, insoles and plaster moulds.

Pressure Insoles

240 sensors in thin flexible insoles capture and record plantar pressure distribution. Wireless transmission enables comparison and evaluation inside footwear with insoles and orthopedic aids.

Pressure Plate

VCP1600 Pressure Plate offers the most accurate and cost effective way to identify plantar pressure profiles as both static measurement and single steps.

Online CAD Design

The Voxelcare orthotics CAD program is an easy to use and powerful tool to design an orthotic insole. It enables the production of accommodative and corrective orthotics manufactured with EVA or PU materials, as well as positive PUR moulds for vacuum thermoforming.

High-end milling machines for clinics and laboratories

Voxelcare milling machines offer two side milling to assure the highest milling quality and minimise manual finishing and grinding.

VCM70

1 pair production capacity, designed for low noise and high dust protection. Ideal for in-clinic use.

VCM100

4 pair production capacity, using 4 pair slots or full plate material.

VCM350

32 pair production capacity, using 32 pair slots or full plate material. Ideal for milling EVA or harder materials such as polypropylene.



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MEDICAL

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