VULCAN SERIES

TECHNICAL SPECIFICATIONS

numerically controlled machines for the production of orthotic insoles

CNC milling machine for the production of insoles. The Vulcan series work centers are professional numerically controlled machines specifically designed for the production of customized and pre-finished insoles.

Designed, developed and produced by us in Italy, they are designed for high workloads and are sized for particularly high working speeds on the stands.

The choice of high-quality materials and absolute care in assembly guarantee continuity in work, maximum performance without maintenance.

The Vx1 Replica milling machine has 3 electrospindle axes, which combine high reliability and performance; a pair of insoles are made in 10 and 6 minutes respectively.

The Twincam Milling Machine, unique in its kind, is a 4-axis system with two independent electrospindles and operates simultaneously on both insoles with asymmetric movement, halving production times: a pair of insoles is made in just 3.5 minutes.

VULCAN SERIES
Technical features

DIMENSIONS
· Dimensions: VX1R: 82x91x104 cm
 TWINCAM: 82x111x107 cm
· Weight: VX1R: 150 Kg
 TWINCAM: 200 Kg
· Working area: 400x300x80 mm

ELECTRICAL DATA
· Power supply: 220 V
· Maximum energy consumption:
 VX1R: 8.87 A TWINCAM: 14.10 A
· Maximum vacuum pump and suction
 absorption: VX1R: 8.41 A
 TWINCAM (2 suction cups): 14.77 A

CONNECTIVITY
Vulcan CNC milling machines can be connected to the PC via Ethernet cable

TECHNICAL FEATURES
· Brushless motors with machining
 precision up to 0.05 mm
· Machining up to 250 mm/sec speed
 with acceleration up to 2800 mm/sec2
· Asynchronous electrospindle 24000 rpm,
 controlled aspirator, for dust and residues
 of processing aspiration.
· Vacuum pump for sealing
 of blocks without double face
· Milling machine on plates, modules and rough
 shapes of different sizes
· Milling of polyurethane panels for manual
 thermoforming of insoles

SOFTWARE
The operating software of the Vulcan CNC milling machines is compatible with insole projects in the ISO G-CODE format