

CORiTEC 350i PRO

CORiTEC 350i Loader PRO

The professional solution for highest demands!

The development of the CORiTEC 350i PRO was a completely new machine concept for us. The one-piece machine frame made of polymer concrete provides maximum stability for vibration-free processing. The high-definition, dynamic servo motors with absolute measuring systems increase processing speed by up to 20% while maintaining optimum precision. This makes the CORiTEC 350i PRO suitable for the highest demands of a dental lab or milling center in a very compact design. The CORiTEC 350i PRO is able to process any CAD/CAM materials. The machine's precision also allows the processing of highly complex restorations such as one-piece implant retained constructions.

The standard blank depot makes it possible to process restorations using the 5-axis process with tilt angles of up to 30 degrees. The optional zero point clamping system allows the CORiTEC 350i to easily change the blank of the complete blank holder by the push of a button. In addition, the zero point clamping system can be used in a variety of different ways and Adapter systems, e.g. The 15-time premilled Abutments Adapter or the Baltic Denture System. The CORiTEC 350i Loader is also equipped with a fully automatic blank changer (for up to 12 blanks).

Technical Highlights

- revolutionary base structure of polymer concrete (PRO)
- 5-axis, simultaneous machining
- absolute measuring system in all axes (PRO)
- new, high-dynamic servo drives for up to 20% quicker processing (PRO)
- Integrated wet and dry processing
- 15" touchscreen (PRO)
- zero point clamping system integrated
- processing of all important materials used in the dental industry, including metalworking
- axis tilt angle up to +/-30°
- 20-fold tool changer
- Blank magazine with up to 12 blanks of different materials
- HF spindle with up to 60,000 rpm
- frontal machining of the workpiece possible (B-axis in 90 degree position)



Retaining bracket system

High-precision machining through integrated temperature compensation!



NEW!
PRO
SERIES



Technical Specifications

Number of axes and machining type	5-axis simultaneous machining
Max. tilt angle for machining with 98mm blank	A-axis +/- 30° / B-axis +/- 25°
Max. axis tilt angle	A-axis: 360° / B-axis: 115°
Wet processing	Integrated
Spindle speed max. / Pmax~	60,000 rpm / 1 kW
Axle drives	Servo motors with absolute encoder of 0,15 µm
Tool fitting	6 mm shaft
Tool changer	20-fold with chip protection cover
Workpiece changer	350i PRO: Manual with zero point clamping system (2 Blankholders inclusive) 350i Loader PRO: 8-fold fully automatic (up to 12-fold optional)
Weight	350i PRO: 205 kg / 350i Loader PRO: 250 kg
Width x depth x height	350i PRO: 758x790x857 mm 350i Loader PRO: 1058x790x857 mm
Supply voltage / frequency / power	100 V-240 V/50/60 Hz/2200 W
Compressed air supply	6-9 bar constant supply, 60 liters/minute
Materials	CoCr/NEM, titanium, zirconium dioxide, aluminum oxide, PMMA, plastics, composites, wax, glass ceramics, hybrid ceramics
Compatibility	98 mm/98.5 mm blanks, CAD/CAM blocks, nt-Trading premilled abutments, Medentika PreFace® abutments, Baltic Denture, Lava Frames