

LAC – Laser Aligner Cutter

Technical Data Sheet



Aligner

Process time for one Aligner cut	approx. 60-90s
Aligner foils diameter	Ø120-125mm
Aligner foils height	0,25-1mm
Repeat accuracy	±0,1mm

Laser

Laser type	CO2
Laser power	20W
Wavelength	9,3µm
Laser class of product	Class 1
Cooling	Air-cooled

Power supply

Voltage	Single-phase 100-230V 50/60Hz
Power consumption	1100W
Connection	Device cable with country-specific connection (included in delivery)

Technical data

Width / Length / Height / (Height opened)	approx. 620x880x640 mm (980 mmm)
Weight	78kg
Noise level	65dB(A)
Environmental conditions	Operating temperature +15 bis +30°C Air humidity 15%-80% non-condensing Dust-free environment

Interfaces

Hardware Interface	Gigabit Ethernet (IEEE 802.3)
Software Interface	Import of universal aligner data (model as STL and trim line as PTS file), e.g. exportable from ArcadLab (Dental Axxess), Scheu Dental/CA Digital or 3Shape Ortho Analyzer

Suction Unit

Connection diameter	Ø50mm
Requirement - air flow rate (unimpeded)	240m³/h
Requirement - filter	Prefilter mat G4 HEPA filter H13 Filter cassette with activated carbon
Recommended suction system	LAC SUCTION UNIT 160

