Waxflex
Better Choice for Clear Aligners



MaxTrim T6

Full-Scale 5-Axis Laser Trimming Machine

Five-Axis Versatility

Five-axis laser trimming covers 'all case types' — standard aligners, cut-outs for lingual buttons, and complex appliances included.

No Model Separation

Trim straight on the thermo-formed model — no separation, one pass to finished aligner.

Clean Edge Finish

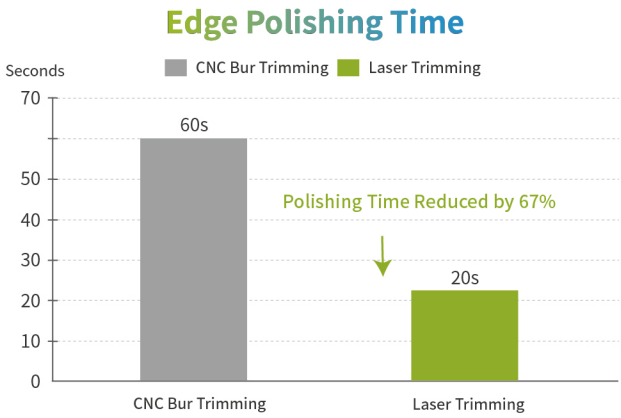
Burr-free laser-trim margins with clean, consistent edges straight off the machine — finishing and polishing largely eliminated.

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MaxTrim T6 - Full-Scale 5-Axis Laser Trimming Machine

From the simplest to the most complex cases, MaxTrim T6 5-axis precision trims every aligner in your lab to finish-ready quality — dramatically minimizing polishing labor costs across the production line.

- **Safety & Eco Care:** An enclosed laser bay with a protective shield keeps emissions within 'Class 1' limits — no goggles, no safety officer, no laser-controlled room required.
- **Widest Material Range:** From 0.5mm films to the thickest multilayer sheets, hard or soft — including Maxflex three-layer films — all trim on one platform.
- **Scalable Output:** Up to ' 960pcs/8h ', with throughput scaling linearly as case volume grows.



Technical Specifications

Equipment Type	5-Axis Laser Trimming	**Construction Material**	Aviation aluminum
Trimming Time	20-30s/pc	**Display**	10.1" LCD touch screen
XYZ Positioning Accuracy	±0.1mm	**Aligner Sheet Diameter**	Ø120/Ø125mm round; 127mm square
Electric Motor	High performance servo motor	**Aligner Sheet Thickness**	0.4-4.0mm
Gas Source	External compressed air (≥4.0bar)	**Applicable Materials**	Compatible with most aligner sheet materials
Laser Type	CO_2	**Throughput**	960pcs/8h
Laser Power	30W	**Material/Aligner Fixation**	Mechanically retained
Wavelength	9.3μm	**Fixture Type**	Maxflex V1/V2
Laser Class	Class 1	**Trimming Line Software**	OrthoCurve V3.5; Agixlab Lite Maxflex
Cooling	Air-cooling	**Net Weight**	120kg
Filter	Primary: filter sponge; Secondary: PP filter paper; Tertiary: activated carbon	**Dimensions**	685×530×640mm
		Input Voltage	220VAC, 50/60Hz
Exterior	White	**Rated Power**	1.6kW

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