



MaxTrim T1

Five Axis Linkage Aligner Trimming Machine



Self-Executing

Replacing traditional manual cutting machines to improve production efficiency and enhance professional image



User Friendly

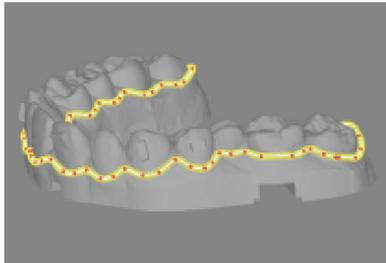
Standard fast visual recognition equipment, "MaxScan" for automatic recognition to obtain processing files to avoid manual errors



Customize Software

Advance "OrthCurve" gingiva line software has function of automatic generation and rapid adjustment, which can match various needs for aligner production

MaxTrim T1 - Five Axis Linkage Aligner Trimming Machine



OrthCurve Software

Auto-Specialized Gingiva Line Software

Integrated model editing module, more powerful with fully automatic generation of Gingiva line function, fast acquisition of gingiva line, strong flexibility, and the ability to quickly adjust the height and curvature of gingiva line according to customer needs, which can meet various needs for aligners production.

Cost Saving: MaxTrim T1 replaces traditional manual cutting machines and improve production efficiency.

Easy and Safe Operation: Vacuum adsorption for 1 second, efficient loading and unloading; Process is carried out within the lock-up chamber to ensure safe operation

Wide Applicability: Flexible matching with any orthodontic design software worldwide; Supports cutting multiple thicknesses and types of sheets (0.5~3.0)

Efficient, Precise, and Stability: Complete single piece cutting in an average of 30 seconds, with equipment accuracy of $\pm 0.01\text{mm}$; Adopting whole disc vacuum adsorption, with an adsorption force of over 100N

Zero Error Rate: MaxScan S1 scanning module can be added to automatically match and import corresponding data on a one-to-one basis, avoiding manual data import errors and achieving zero operational errors

Excellent Trimming: Trimming edges with almost no burrs, suitable for membranes such as PETG, TPU, and Multi-layer Materials.



Equipment Parameters:

Equipment Parameters	Five axis linkage
Exterior	White
Material Quality	Aviation Aluminum
Electric Motor	High Performance Servo Motor
Gas source	Independent Air Source
XYZ Positioning Accuracy	$\pm 0.01\text{mm}$
XYZ Repositioning Accuracy	$\pm 0.02\text{mm}$
Spindle Speed	30,000rpm
Spindle Power	500W
LCD	7 Inch Smart Touch Screen
Material Fixation Method	Negative pressure Adsorption
Trimming Time	25-30s/pc
Equipment Size	570×530×535mm
Equipment Net Weight	85kg

Shanghai Maxflex Medical Technology Co.,Ltd