

RELiance METALCENTER TRUMPF 10K TRULASER 5040 FIBER – TECHNICAL SPECIFICATIONS

Machine	Working Range:	
	X-Axis	160 in
	Y Axis	80 in
	Z Axis ¹	4.50 in
	 Max Workpiece Weight	 7,275 lbs
	Speeds:	
	Simultaneous (X and Y)	11,142 in/min
	Accuracy²:	
	Smallest Programmable Increment	0.00004 in
	Positioning Accuracy (Pa)	0.002 in
	Repeatability (Ps)	0.0012 in
Laser	Trumpf Solid-State Laser:	
	TruDisk 10001 (programmable in steps of 1%)	10,000 w
	Maximum Sheet Thicknesses:	
	Mild Steel (O ₂)	1.18 in
	Stainless Steel (N ₂)	1.50 in
	Aluminum Alloy (N ₂)	1.00 in
	Copper (O ₂)	0.39 in
	Copper (N ₂)	0.63 in
	Brass (N ₂)	0.50 in
	Consumption Values:	
	Cutting Gas: O ₂ , N ₂ , Air	Dependent upon application

¹⁾ On automated machines, the working range in Z is reduced by 1 in

²⁾ According to German standard VDI/DGQ 3441. Measuring length 1 meter. Measured over the whole working area. The achievable accuracy in the workplace depends, among other things, on the kind of work piece, its pretreatment, sheet size and position in the work area.

Complete System	Electrical Consumption Values (incl. chiller)		
	TruDisk 10001		8 – 47 kw
	Dimensions and Weights		See Layout
Material Handling	LiftMaster:		
	Loading:	Max Sheet Size	80 x 160 in
		Min Sheet Size	40 x 40 in
		Max. Sheet Thickness	1.00 in
		Max. Sheet Weight	3,527 lbs
	Unloading:	Min. Part Size	6 in x 6 in
		Max. Sheet Thickness	0.8 in

