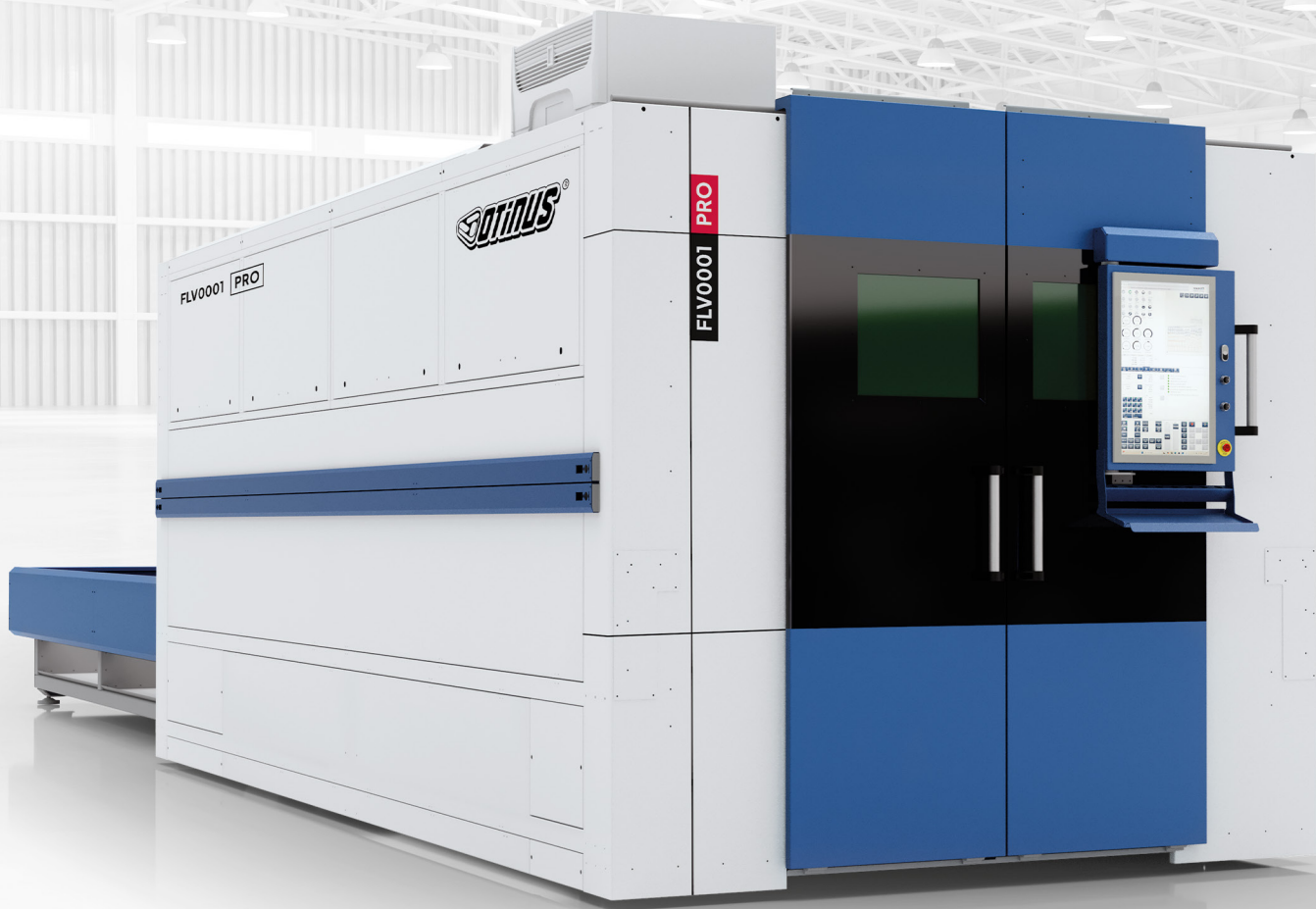


Fiber

Laser cutting machine

OTINUS PRO



Specifications

Parameter	Value	Parameter	Value
X/Y working area	3000 x 1500mm or 6000 x 2500mm 120 x 60 in to 240 x 100 in	Linear guides	Rexroth profile rail guides
Z-axis max travel	up to 130 [mm] up to 5.1 in	Management of scrap waste and small parts	manually pull-out trays
Max load	900 [kg] - 3000 [kg] 2,000 to 6,600 [lbs]	Fume extraction system	zonal and fully integrated
X/Y positioning speed (simultaneous)	320 [m/min] up to 1,050 [ft/min]	Body	steel, monolithic
X/Y/Z axis drive	Rexroth Llinear ML	Gantry beam	aircraft-grade aluminum alloy
X/Y/Z drive transmission	linear motor	Lubrication system	SKF / automatic
Acceleration	up to 42 [m/s ²] up to 138 [ft/s ²]		

The machine comes with a 24-month warranty.

The photos are for illustrative purposes only. The product may not be exactly as shown in the images.

Category	Parameter	Value
Control	Controller	BOSCH Rexroth ctrlX
	Control panel	21,5"
	X/Y/Z encoders	absolute linear encoders
	Positioning accuracy	0,05 [mm], 0.002 in
	Positioning repeatability	0,03 [mm], 0.001 in
Software	Application	BOSCH Rexroth ctrlX HMI
Power supply	Input voltage	3×400 [V], 50 [Hz]
	Rated input power	14 – 100 [kW]
	Compressed air feed	6–8 [bar] / 35Nm ³ /h
Assist gases	Oxygen (O ₂)	8–10 [bar] / 30 [Nm ³ /h]
	Nitrogen (O ₂)	25–30 [bar] / 120 [Nm ³ /h]
Laser source	Supplier	MAXPhotonics
	Rated power output	1–20 [kW]
	Technology	fiber optic laser
	Wavelength	1070 – 1090 [nm]
	Fiber core diameter	50 / 100 μm
	Beam quality (BPP)	1.4 – 4.2 [mm x mrad]
Laser head	Supplier	Precitec
	Auto-focus	yes
	Nozzle-to-material distance measurement	capacitive sensor / EtherCAT
	Head collision protection	ceramic ring
	Chłodzenie	water
	Aperture diameter	D28 [mm]
Safety system	Supplier	SICK
	Control module	SICK FlexiComapct
	Type of protection	4–beam optoelectronic safety barrier
	Reaction type	20 [ms]
	Safety classifications	Type 4, SIL 3, PL e