

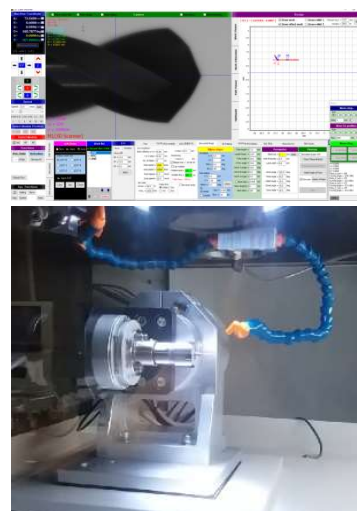
Laser 5 Axes Processing Machine

Features

- IR 30W Pulsed Fiber Pico-sec Laser
- 3D Galvo Type
- Machining of PCD Rotational Tool
- 5 Axes Structure

Application

- PCD Micro Drill
- PCD Hemisphere Polishing Tool



Specifications

Mechanical			Laser Source
Axis	stroke	resolution	Laser Power 30W
X-axis	150mm	0.0001 mm	
Y-axis	150mm	0.0001 mm	
Z-axis	300mm	0.0001 mm	Wavelength 1060 nm
C-axis +/-	± 180deg	0.0001 deg	Repetition rate max 1000 kHz
Tilting-axis	∞	0.0001 deg	Repetition rate nominal 30 kHz
BMO T-axis			Pulse Width : 100ps – 5ns (4step)
BMO R-axis			Pulse Energy max. 1mJ
Shift-axis			Polarization Random
Galvo 3-axis			M ² < 1.5
			Pulsed Fiber Laser



TechMAC Co., Ltd.
Advanced Precision System