

# REMIUM 5D

Five-axis 3D laser processing machine



## Specifications

Radiation source	Fiber laser (IPG Photonics)
Processing field, mm	1500x1500
Minimum cutting width, $\mu\text{m}$	100
Positioning accuracy, mm	$\pm 0.05$
Minimum cutting type, mm	0.02
Rotation range for positioning items along "A" axis, $^\circ$	360
Rotation range for positioning items along "C" axis, $^\circ$	$\pm 135^\circ$
Travel along X, Y axes	Rack-and-pinion / Ball screw
Travel along Z axis	Ball screw, up to 700 mm
Rotary table diameter, mm	—
Asynchronous speed of idle movements along the XYZ axes, m/min	до 20
Processed sheet materials	Brass, stainless steel, heat-resistant steel, high-hardness steel, black steel, copper, aluminum alloys, gold, titanium, diamond coated materials, ceramics, paronite, polycor (alumina ceramic), glass-ceramic (sital)
Source power	300/3000; 150/1500