

SCOUT-System from K-Lab

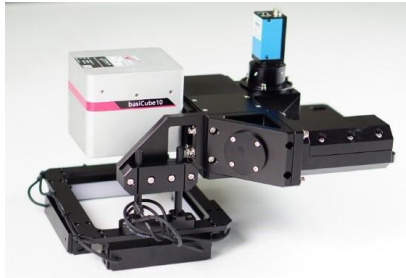
*Advanced medium and high power laser scanner
with unique vision technology*

Laser Processes

- *Micro-Machining*
- *High Performance Remote Welding*
- *Remote Cutting*
- *Additive Processes*



SCOUT-System Models



SCOUT-100



SCOUT-200



SCOUT-300

- Available for different power levels up to 5 kW (QBH)
- Delivers accuracies from ± 2 to ± 13 microns
- Easy and intuitive setup and operation
- Versatile recognition and image processing features
- Pre-programmed and custom geometries for easy welding patterns and designs
- Increased processing capability
- Faster production thanks to the repositioning function

SCOUT-System Specification

Model	SCOUT-100	SCOUT-200	SCOUT-300
Wavelength		1070 nm	
Laser Connection		QBH	
Aperture Size	10 mm	20 mm	30 mm
Max. Laser Power(W)	300 W (1070 nm)	2.0 kW (1070 nm)	5kW (1070 nm)
F-theta Lens	F-100/ F-160 mm	F-160/ F-254 mm (Fused Silica)	F-254/ F-420 mm (Fused Silica)
Welding Speed	2.5 m/s	1.0 m/s	0.7 m/s
Collimation Length	30mm/ 60 mm	120 mm	140 mm
Working Field	Up to 70 x 70 mm	Up to 110 x 110 mm	Up to 200 x200 mm
Scan Resolution	0.45 μ m (F-100)	1.83 μ m (F-254)	3.05 μ m (F-420)
Repeatability	1.8 μ m (F-100)	7.3 μ m (F-254)	12.2 μ m (F-420)
Input Power		110~230 VAC, 50/ 60 Hz	
Cooling	Air	Water/Air	Water/Air
Cooling Spec.		Water: 6 l/min or Air: 25 l/min	
Head Weight	8 kg	20 kg	25 kg
Interface	XY2-100	XY2-100	XY2-100