

Two-Axis Integrated Fiber-Laser Cleaner/Thin-Layer Peeling System

	AkiTech LEO TLC Series	
	2-Axis TLC-V1	2-Axis TLC-V2
Version	2-Axis TLC-V1	2-Axis TLC-V2
Laser Average Power (W)	20,50, 200, 300	20,50
Center Wavelength (nm)	1064	
Laser Type	Yb:Fiber	
Laser Beam Quality (M^2)	1.5 – 1.8	
Depth-of-focus (DOF)	520 μ m with f=160mm lens (depends on selected f-Theta lens)	
Repetition Rate (kHz)	40~1000 (5 kHz/step)	40~2000 (5 kHz/step)
Selectable Pules Width (ns)	(25,50,75,100,125,150,175,200,225,250), or fixed	5ns~500ns Selectable
Peak Power (kW)	25	
Galvo Scan Speed (mm/s)	<10,000 (10-100% Selectableby10%Step)	
f-Theta Focal Length (mm)	f=50~450mm Avertable	
Scan Area (mm)	50~300 (will change the length depends on F-Theta Lens)	
Scan-Length Ratio Selection	0.1%~100% possible for the full range	
Setting	Handheld, Tripod or Z-axis Elevator	
Power Voltage	100~220 VAC (50/60Hz) or 24 VDC. UPS Option on <50W	
Cooling	Air Cooling	
Safety	Laser Interlock · Laser on Trigger · EMO	
Software	DMC Software on Notebook or Touch-Pad PC	



■ System Line-Up

R2 Series: 20W or 50W (variable pulse width)

YLPN Series: 200W or 300W (fixed pulse width)

■ Flexible Beam quality · Abundant beam scan area

$M^2 < 1.8$ (TEM_{00}) or low-order mode

■ Quick Start System

Short warm up time by high performance design

Quick start mode of Software include.

■ Integrated Single-Emitter Laser Diode

Long lifetime & maintenance free

■ Ultra-Compact design system

■ Options

Red Pointer, Safety Guide, Dust Collector, UPS, etc.

■ Applications

- * Metal surface rust, surface precision polishing
(prep. before deposition of oxide layer such as bearings)
- * Peeling paint without damaging the base material
(exterior-walls of house, car, aircraft, mold removal, etc.)
- * Removal isolator of electrical power cables and systems.
- * Peeling of organic solvents in composite materials, such as touch panels

