

BT-43431A

Industrial Laser COS Burn-in Equipment



Equipment Characteristics

- High capacity, support up to 384 channels
- Support for CW and QCW mode operation
- The faulty product can be powered off individually
- In-sute optical power, temperature and voltage monitoring for individual channels
- Optical port reserved for wavelength measurement for chip junction temperature calibration
- Alarm and warning mechanism to ensure the safety operation

Technical Specifications

Class	Project	Metric	Remarks
Apparatus capacity	Number of channels	384	
	Number of cassette	8	
	Power supply channels per cassette	2	
	Number of COS per lane	24	
Source	Burn in Mode	CW/QCW	
	QCW min. pulsewidth	3ms	
	COS Connection	24 Chip in series	
	Current output range	1~80A	
	Current output accuracy	±(0.5%+0.6A)	
	Current resolution	0.1A	
	Voltage range	20~50V	
	Voltage measurement accuracy	±(5%+0.2V)	
	Current stability	<1%	
	Current ripple	<3%	
	Current overshoot	<1%	
Supervisory control	Optical power range	1~50W	
	Optical power accuracy	±50%	
	Optical power stability	<3%	
	Temperature accuracy	0.5℃	Thermistor on fixture
	Voltage accuracy	±(5%+0.2V)	Individually for each COS
	Wavelength	Support	Reserved optical port for optical spectrum analyzer for junction temperature calibration
Temperature	Temperature control	Water-cooled	
	Water temperature	20~25℃	
	Thermal resistance	<2℃ /W	80C junction temperature @50A; 100C junction temperature @62.5A
	Thermal resistance uniformity	<±0.1℃ /W	
Warning and Alarm	Cooling water flow rate	Support	
	Cooling water leak detection	Support	



- **LASER X Technology(Shenzhen) Co., Ltd.**
Address: Guangming District,Shenzhen City,Guangdong Province,China
- **LASER X Technology(Xi 'an) Co., Ltd.**
Address: Xixian New Area,Xi'an City,Shaanxi Province,China
Sales Hot Line: 18923755822 **Email:** hongbin.ding@laserx.net