



**MAIMAN**  
**ELECTRONICS**

**OEM Laser Diode Drivers  
and Benchtop laser Power  
Supplies**

# OUR CUSTOMERS

We are specialized in development and production of laser electronics

Our customers operate in **different markets**:

- Medical;
- Sensors;
- R&D;
- Material processing;
- Communications.

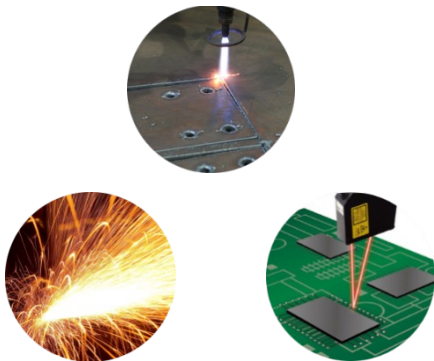


# PRODUCTION

## Application areas

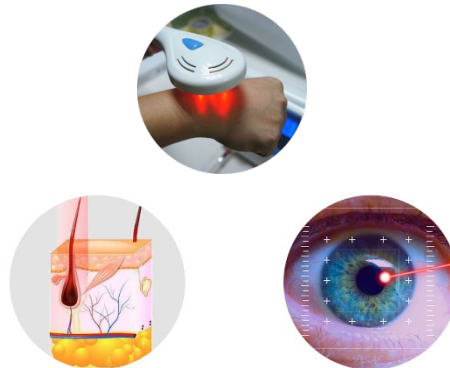
### Material processing equipment

- Soldering
- Marking
- Cutting
- Welding



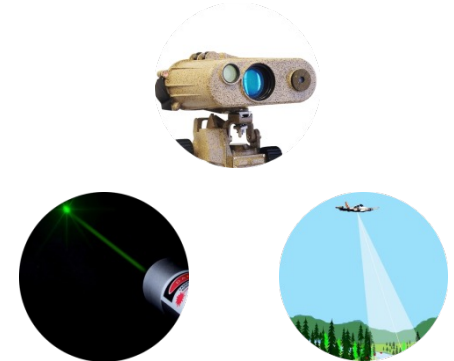
### Medical equipment

- Laser surgery
- Laser crushing of kidney stones
- Hair removal systems



### Metering equipment

- Lidars
- Spectrometers
- Laser rangefinder
- Sensors



# Ultra-compact LD drivers OEM CW/QCW SF6XXX

## High power density

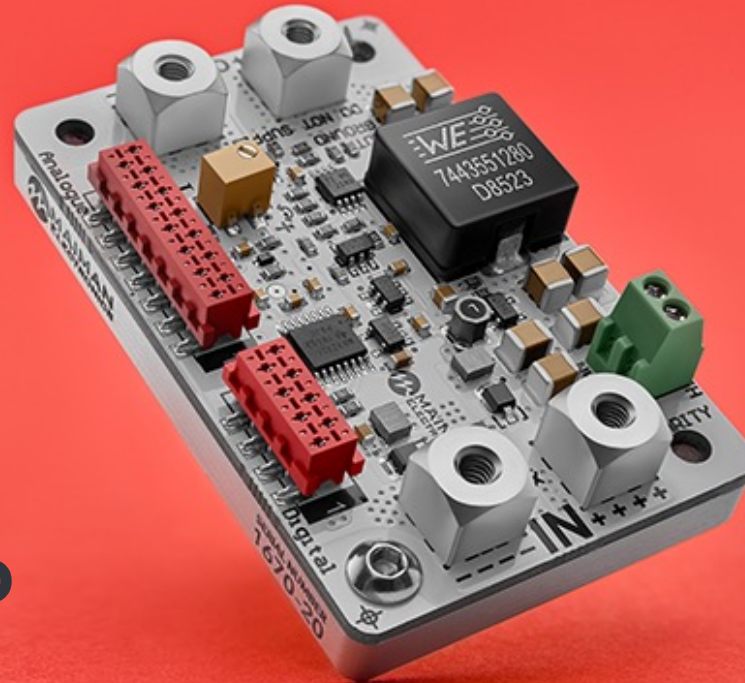
600 W in quarter brick size (57.9x36.8 mm)

## High efficiency up to 98,7%

Reduces power consumption and heat loss

## Multiple type of LD Protection

- Over current protection
- Adjustable current limit
- Crowbar circuit protection
- Thermal warning and shutdown



## Multiple control type

Analog control via 5V signal

Digital control via RS232/ UART/ USB

## Soft-start

Safe start-up with rise time from 20 $\mu$ s

## NTC thermistor input

Shutdown driver when the laser diode overheats

# Laser Diode Controller with TEC and Mount SF8XXX

## Low-noise solution

Laser driver provides current ripple not more than 10-15  $\mu\text{A}$

## Auto-tune PID controller

Integrated PID controller that doesn't require setup

## Multiple type of LD Protection

- Current protection
- Adjustable current limit
- Soft-Start Current Ramp
- Temperature Protection

## Multiple control type

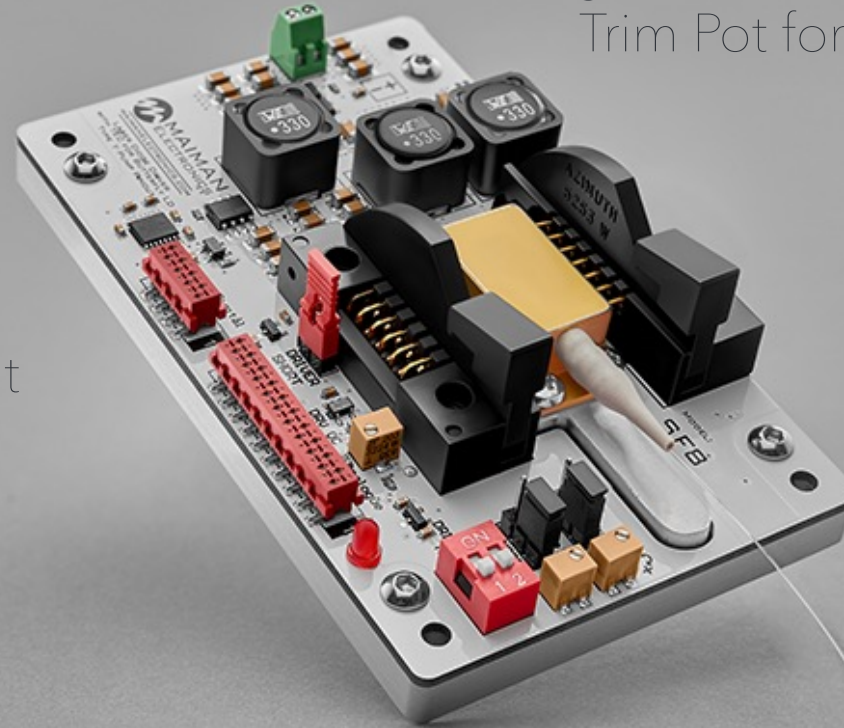
Analog control via 5V signal  
Digital control: RS232/ UART/ USB  
Trim Pot for LD Current and TEC

## Free software

We provide free software for quick and easy start

## All-in-One

Current source,  
TEC controller,  
mount



# Laboratory Benchtop Touchscreen or buttons

## MBXXX

### Low-noise solution

Laser driver provides current ripple not more than 10-15  $\mu\text{A}$

### Auto-tune PID controller

Integrated PID controller that doesn't require setup

### Multiple control type

- Locally with Touch Screen or Buttons
- Digital control via USB
- Free software



### Memory cells

Its easy to save and load parameters quickly with 9 memory cells

### All-in-One

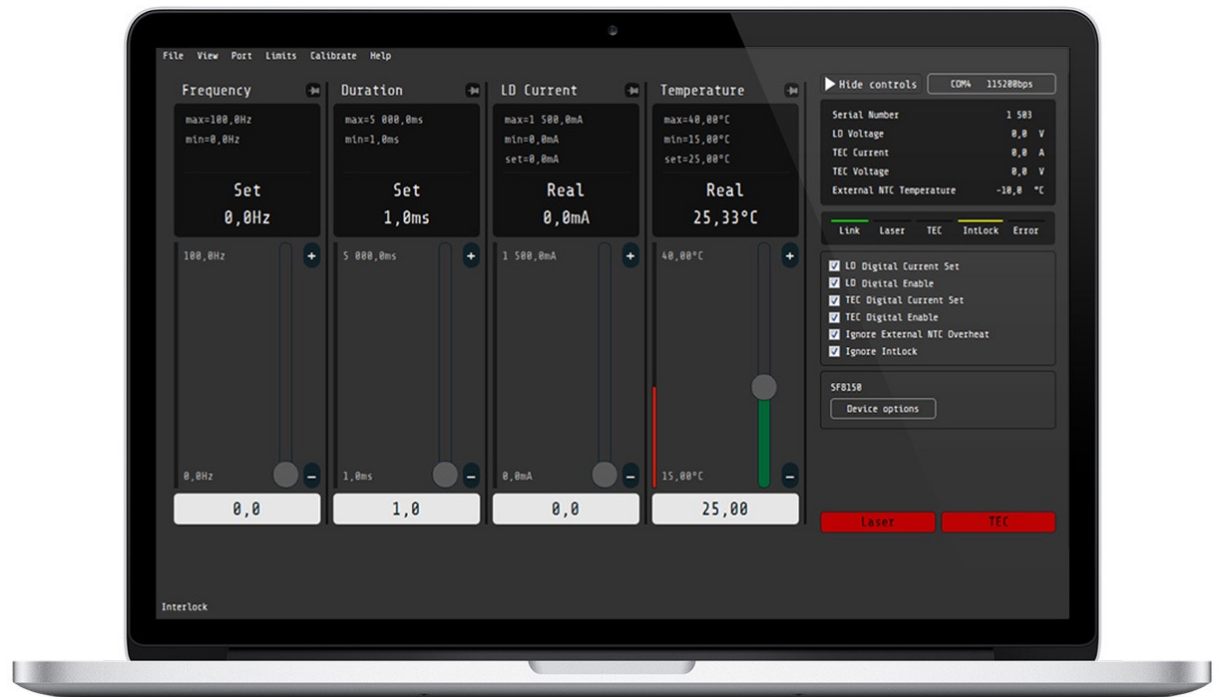
Current source, TEC controller, mount

### Multiple type of LD Protection

- Current protection
- Adjustable current limit
- Soft-Start Current Ramp
- Temperature Protection

# FREE SOFT FOR OEM DRIVERS AND BENCHTOP VERSION

For easy monitoring and control





# MAIMAN ELECTRONICS

**Thank you for attention!**



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