

# LASER ENGRAVERS



## FIBERLUX PRO

Equipped with ytterbium-doped fiber optics, a low environmental impact and minimal maintenance, up to 50,000 hours of operation, the FiberLux PRO is the ideal laser for cutting and marking. The PRO can be used to mark objects of any metal and is ideal for engraving photographs, logos, trademarks and texts.

Available in 70W & 100W



## FIBERLUX EL

Derived from the PRO series, the EL line incorporates all the advanced features of the FiberLUX, including the closing chamber, motorized Z-axis and the capability to install the drag and clamp system for multiple cutting jobs. The machine and the software are simple and easy for any user.

Available in 50W



## FIBERLUX 3D

Engrave tilted, convex and spherical objects with ease using the FiberLux 3D. The intuitive supplied software allows for precise and efficient setup and production. The FiberLux 3D can be used to mark any metal object, engrave photos, logos, trademarks and text with surface unevenness up to 35 mm.

Available in 70W & 100W.



## FIBERLUX NANO

A quality entry level engraver for cutting and engraving all precious metals! Its compact design makes it the ideal solution for small to medium operations. It's working area can be made completely accessible thanks to the removable protective cover.

Available in 30W.

## APPLICATIONS

- Engrave on rings, bracelets, medallions, flat and slightly curved surfaces
- Excavation by layers and 3D bas-reliefs
- Engrave photographs, names, designs and logos, including trademarks
- Engrave on watch faces and eyewear
- Automatic mode for mass production
- 3D Curved Surfaces (Optional)

## FEATURES

- Pulsed Fiber Laser
- D.S.P. Technology
- Red double pointer for positioning
- Z-axis with stepper motor controlled by software
- High frequency scanner head, 1 Mhz
- 3D Software for Image Processing allows 3D focus-shift scan-head functions (Optional)



SCAN ME

**TO VIEW LASER ENGRAVER VIDEOS!**

## ENGRAVER SAMPLES



FIBERLUX PRO



FIBERLUX EL

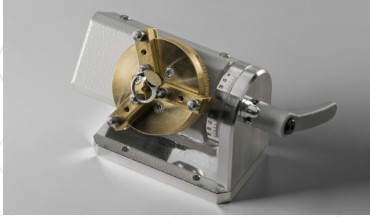


FIBERLUX 3D

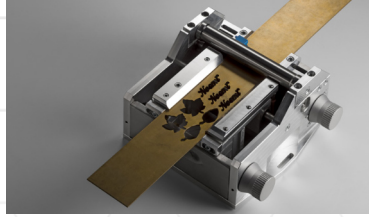


FIBERLUX NANO

# LASER ENGRAVER ADD-ONS



**R-AXIS ROTATION SYSTEM**  
Allows for external and internal marking for rings and bracelets.



**DRAG AND CLAMP SYSTEM**  
Designed for automatic feeding of materials during cutting process.



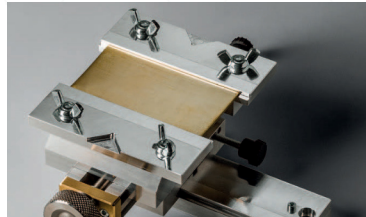
**INTERNAL CAMERA**  
Allows for easier object positioning.



**VARIABLE SPEED ASPIRATOR**  
For efficient filtration and extraction of harmful particles from the air.



**R-AXIS ROTATION SYSTEM WITH MAGNETIC CLAMP**  
Allows for external and internal marking for rings and bracelets.



**X-Y AXIS CLAMP**  
For simpler manual positioning of metals.



**DUST ASPIRATOR**  
Designed to recover 99.9% of precious metals used during operation.

## SPECIFICATIONS

SKU	FIBERLUX PRO		FIBERLUX EL	FIBERLUX 3D		FIBERLUX NANO
	RE-4070	RE-4100	RE-1050	RE-5070	RE-50100	RE-3000
ENGRAVER SOFTWARE	SCAPS (Scanner Application Software)		Standard Software	SCAPS (Scanner Application Software)		Standard Software
OUTPUT POWER	70W	100W	50W	70W	100W	30W
ABSORBED POWER	450W	450W	350W	600W	650W	350W
CHAMBER WORKING AREA	250 X 250 X 350 mm		250 X 250 X 350 mm	230 x 380 x 350 mm		250 x 250 x 310 mm
FOCAL 100 MARKING AREA	60x60 mm / 11um		60x60 mm / 16um	60 x 60 mm / 11 um		60 x 60 mm / 16 um
FOCAL 160 MARKING AREA			110 x 110mm / 26um			100 x 100 mm / 26um
FOCAL 210 MARKING AREA	160 x 160 mm/ 34um			---		
SPEED OF GALVO HEAD	Up to 7000mm/s		7000mm/s	6000mm/s		5000mm/s
MAX PULSE ENERGY	Up to 1.5MJ					
MAX FREQUENCY	1000kHz		100kHz	1000kHz		60kHz

## CUTTING SPEED TIME CHART

GOLD PLATE SHAPE	Circle Shape 15mm (OD)		Name Plate 50mm (L) x 10mm (W)	
GOLD PLATE THICKNESS	0.5mm	1mm	0.5mm	1mm

Machine	Power	Time			
FIBERLUX NANO	30W	37s	140s	215s	1021s
FIBERLUX EL	50W	20s	40s	150s	331s
FIBERLUX PRO	50w	18s	54s	153s	324s
	70W	12s	35s	102s	235s
	100W	5s	15s	50s	145s