



LION MOVE

A POWERFUL SOLUTION
FOR THE FULLY AUTOMATED PRODUCTION PROCESS

Developed and built by Lion Lasers in the Netherlands

APPLICATION

The LionMove is a product range of laser engraving systems to be built into a machine or production line. Suitable for coding products both in standstill and in motion (on-the-fly) without adding inks or labels. One system can code many products per second.

If larger surfaces need to be "printed" and this is not feasible within the desired speed, Lion Lasers has heavier versions available or multiple systems can be linked.

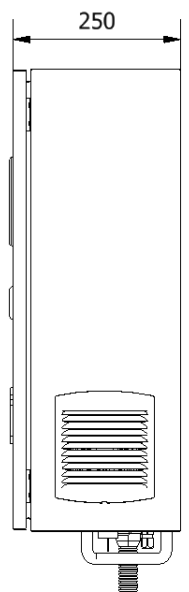
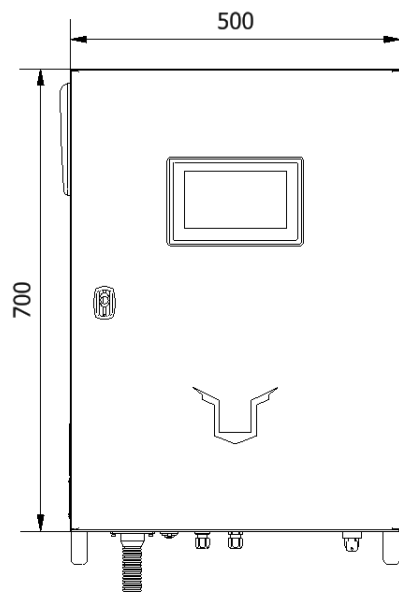
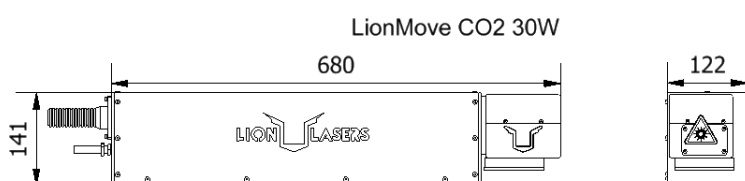
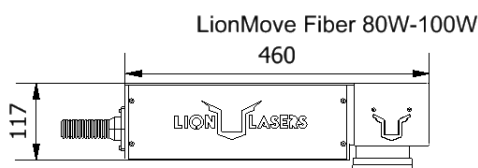
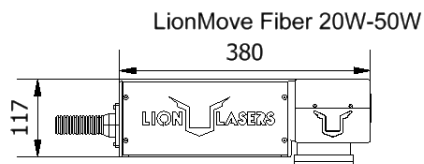
In cooperation with specialists, complete production lines are built with vision applications, robotics and product-specific automation solutions.

ADVANTAGES OF THE LIONMOVE

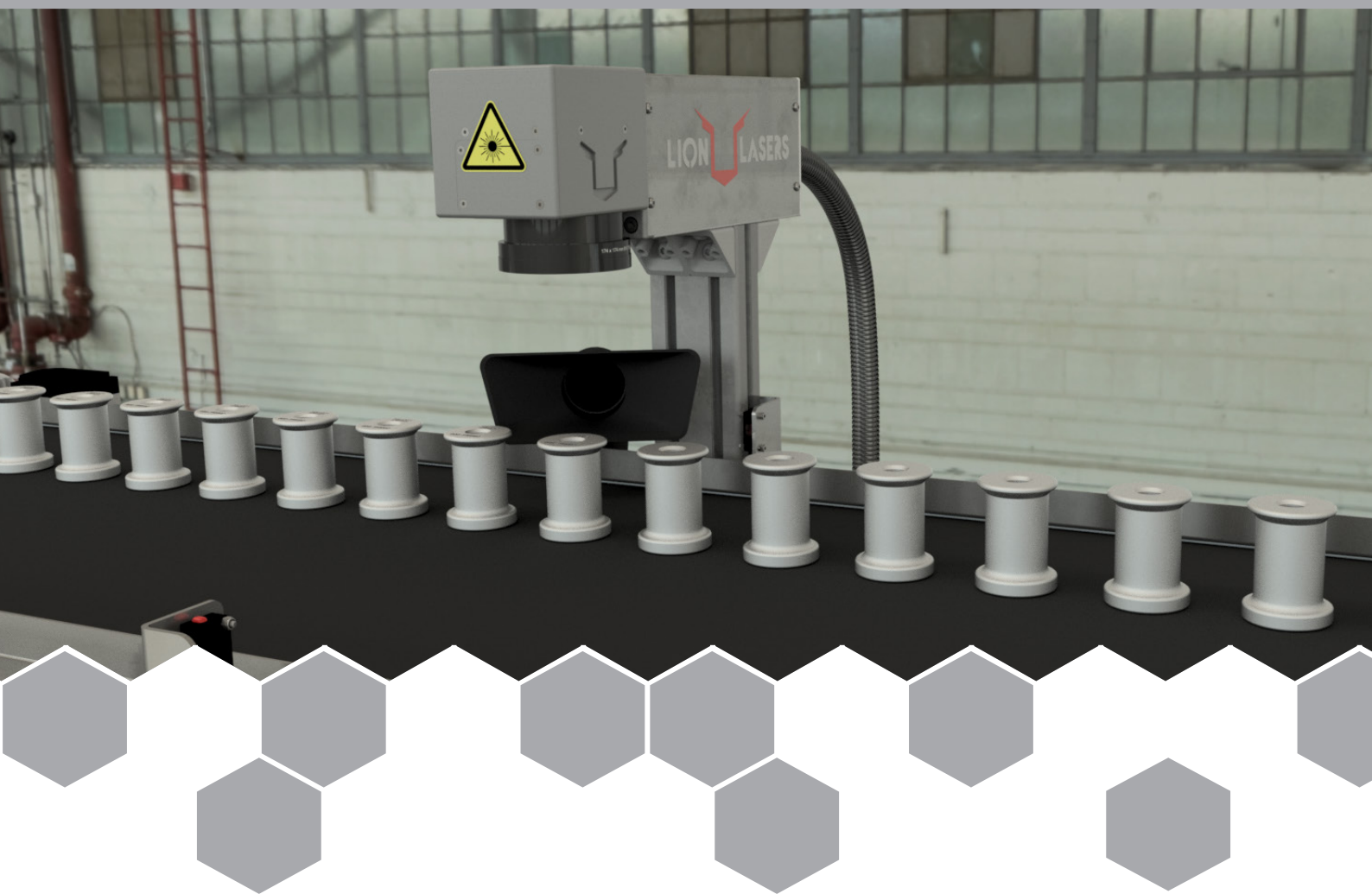
- ✓ Engraves at high speed with the movement of the product
- ✓ Robust and compact construction
- ✓ Suspension possible at different angles
- ✓ Fully independent operation
- ✓ Touch screen or remote control operation
- ✓ Important settings protected by password
- ✓ Multiple systems can be linked



DIMENSIONS LIONMOVE FIBER AND CO2



*Dimensions in millimeters.



WARRANTY

Lion Lasers offers a 2-year warranty on the Lion Move, according to the provisions of our General Terms of Delivery and our quotation.

SERVICE

If required, we are happy to help build the system into your production process. We provide on-site or online training during installation. Even if it is desired at a different time than the installation, we will help you until everything is clear and when operators are confident operating the system.

To help keep the production process in best condition, we offer annual maintenance through variable maintenance contracts.

We offer both remote and on-site support at a high level. When we cannot help you by phone, we are happy to schedule a visit to your location (if not the same day).

Our employees have extensive knowledge of laser systems. This makes sense, of course, since we design and build our lasers ourselves in the Netherlands. We are proud of that, as proud as a lion!

We can always be reached during office hours.

Lion Laser Systems

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Lion Laser Systems B.V. is ISO-9001 certified and a member of the Koninklijke Metaalunie.

koninklijke
metaalunie



CONFIGURATION

A wide range of standard configurations are quickly available.

Work surface	170 x 170 mm (several dimensions possible)				
Model	10W UV	30W Industrial	50W Industrial	80W Nano	30W CO2
Lasersource	UV-laser	Fiberlaser	Fiberlaser	RF-controlled	CO2-laser
Wavelength	355 nm	1.064 nm	1.064 nm	1.064 nm	10.640 nm
Power	10W	30W	50W	80W	30W
Pulse duration	25 ns	200 ns	200 ns	2-400 ns	modulating
Operations	Touchscreen interface and remote operation via Ethernet				

In addition to our standard systems, it is possible to have a system custom made with other powers and optics to further suit your applications.

CONNECTIONS

Power	Standard: 230VAC power supply 10A (switching by upstream system)
	Optional: switching with 24VDC control voltage with fixed 230VAC power supply
Main switch	Key switch on connection panel
Data connection	USB and Ethernet
Input signals	1 digital input 5-24V for trigger (mark start)
	3 digital inputs 5-24V for file selection of 7 files on BCD base
	1 Encoder input A/B connector M12p8 (suitable for various encoders, plug and play for Sick DBV50E-22RPA2000 encoder)
	2 interlock inputs (potential free contacts for fencing etc.)
Output signals	1 changeover contact output "Laser OK" 250V 2A
	1 digital output "Laser is active" max 35V 50mA (laser emission on)
	1 digital output max 35V 50mA "Ready for marking" (file loaded)
	1 digital output max 35V 50mA "Marking" (file is being output)

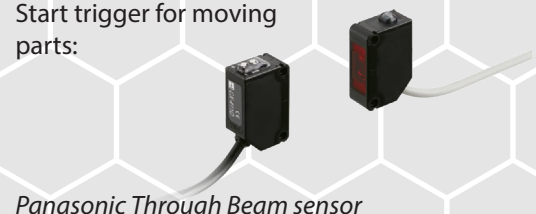
ACCESSORIES

Encoder for measuring the speed of a production line (assembly line):



Sick encoder

Start trigger for moving parts:



Panasonic Through Beam sensor