

CAJO TAILOR FIBER™ - THE ULTIMATE UNIT FOR UNIVERSAL MARKING

CAJO TAILOR FIBER™

Cajo Tailor Fiber™ is a family of **IP65**-rated laser marking systems that can be integrated into a production line or into other devices. The powerful laser marking machine is designed for 24/7 use in production facilities where high quality, performance, and reliability are required.

Cajo laser marking systems enable precise and permanent markings with repeatedly the same high quality. The flexible laser marker has been designed to replace all outdated and wasteful marking methods such as inkjets traditionally used in the industry.

Cajo Tailor Fiber™ is suitable for permanently marking products and semi-products made of, for example, **metals, plastics, or coated metals and coated plastics.**

The **Cajo Tailor FiberPlus™** model is a versatile all-around marking machine. It is an affordable and capable solution for most applications improving production processes.



The **Cajo Tailor Fiber Advanced™** model has a wider range of adjustment possibilities, which enables the marking of challenging materials such as **soft polymers** and light-reflecting metals, including **copper and brass.**

Cajo Tailor™ integrable marking solutions can be operated with **CajoSuite™** PC software or with **CajoSmart™** embedded software. Both control solutions provide software interfaces that enable the devices to be controlled and monitored from another system such as MES, PLC, or computer for smooth integration.

Choose Cajo for universal product marking.



IP65-RATED EXCELLENCE

Cajo's **IP65-rated models** are some of the strongest marking machines on the market. The IP65-rated marking heads are designed for the most demanding industrial conditions. Dusty and dirty environments are not a challenge for these durable laser marking systems. The marking head is designed to withstand direct splashing water in industrial environments where, for example, water purification is required.

Available models:
Fiber 20, 50 100 W | FiberPlus 20, 60 W | Fiber Advanced 20 W

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CAJOTECHNOLOGIES.COM





CAJO SOFTWARE SOLUTIONS POWER YOUR PRODUCTION

CAJOSUITE™

CAJOSMART™

Cajo Technologies combines laser control and software solutions for optimal marking results. Cajo's cutting-edge technology offers a high-performing solution to any production environment and application needs.



THE BEST PROCESS CONTROL ON THE MARKET

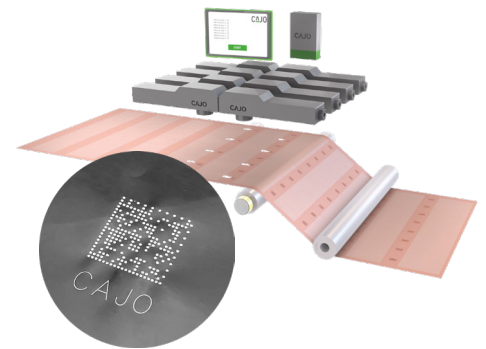
- High-quality marking on the fly for time-critical production lines
- Fast and precise control of the laser marking process
- High-quality markings
- Versatile and easy-to-use product marking software
- Connectivity to other processes

Product marking has never been more efficient than with the cutting-edge laser marking software designed by Cajo Technologies.

CajoSuite™ is a comprehensive and easy-to-use software for laser marking. The flexible software contains features for designing markings and variables for full traceability and product identification. The user-friendly software offers a simple user interface for operators. The software has two modes, **Design Mode**, and **Production Mode**.



CajoSmart™ is an embedded software designed for high-speed and time-critical manufacturing processes. CajoSmart™ enables synchronized control of several marking heads at the same time and supports variable marking content with an option for a touchscreen interface. This revolutionary solution provides first-class laser markings in a hectic manufacturing environment. No PC is needed on the production floor thanks to Cajo's embedded onboard control system.



POWERFUL CONTROL BOARD
AND INTELLIGENT SOFTWARE



HIGH-QUALITY, PRECISE AND
PERMANENT MARKINGS



LOW RUNNING COST,
SHORT PAYBACK TIME



SUSTAINABLE TECHNOLOGY
WITHOUT ADDITIVES



FAST MARKING ON THE FLY
FOR MASS PRODUCTION LINES



VERIFIED MARKING PARAMETERS
FOR 4 000+ MATERIALS

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TECHNICAL DATA

Laser type	Pulsed fiber laser
Wavelength	1060-1080 nm
Laser class	Class 4
Laser power	20 W / 50 W / 100 W (Fiber) 20 W / 60 W (FiberPlus) 20 W (Advanced)
Beam guiding	High-speed optical galvanometers
Marking speed (max)	500 characters/s or 7 m/s Can be upgraded up to 1000 characters/s or 14 m/s
Marking field	70 x 70 / 110 x 110 / 175 x 175 / 220 x 220 / 400 x 400 mm
Max size for the markable part	Scalable
Preview system	Integrated red light pointer (Class 2)
Cooling	Air
Power supply	110-240 V / 50-60 Hz
Power consumption:	20 W Fiber - 170 W / 50 W Fiber - 260 W / 100 W Fiber - 400 W 20 W FiberPlus - 170 W / 60 W FiberPlus - 320 W 20 W Advanced - 130 W
Marking software	CajoSuite™ CajoSmart™
Dimensions and weights (H x W x L)	
	Device enclosure 178 x 482 x 566 mm (15-20 kg) Marking head with a (175 mm) lens 166 x 152 x 550 mm (6,5 kg)
IP rating (marking head)	IP65
Ambient conditions	10-40 °C, Humidity (non-condensed environment) ≤95 %
Connectivity	I/O: 6 x IN 24 VDC, 6 x OUT 24 VDC 1 x RS-422 (incremental encoder input) 1 x LAN (for control) 1 x EtherCat (option)
Safety interlock	Duplicated safety contacts with feedback. Safety performance level PL=d.
Computer minimum recommendations for Tailor (not included in standard delivery)	
Processor / Memory / Hard Drive	Intel i5 / 4 GB / 64 GB
Operation system (x64)	Windows 7 / Windows 10 / Windows 11
Interfaces	1 x LAN

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