

CAJO TAILOR 2.5D™ MODEL WITH WORKING DISTANCE ADJUSTMENT

CAJO TAILOR 2.5D™



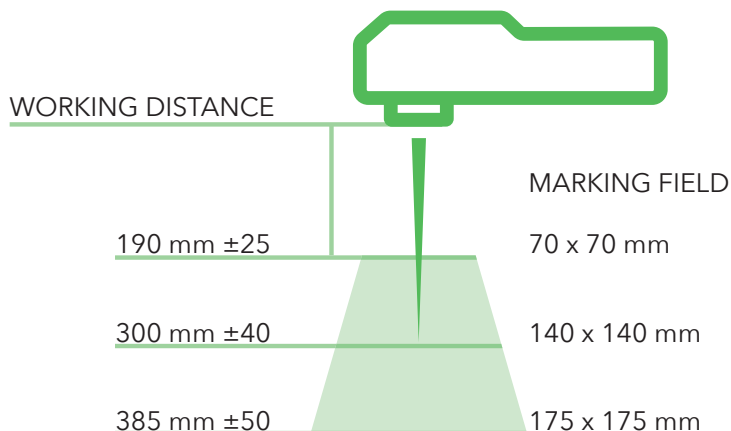
CAJO Tailor 2.5D™ laser marking device can be integrated into a production line or into an production system. The powerful laser marking device is designed for 24/7 use in production facilities where high performance and reliability are required. The flexible laser marker has been designed to replace traditional and wasteful marking methods, such as inkjets.

CAJO Tailor 2.5D™ is utilized with Fiber series laser and it is suitable for the permanent marking of products and semi-products made of, for example, **metals, plastics, or coated metals and coated plastics.**

The 2.5D marking head comes with an optical working distance adjustment which enables to change the marked surface quickly, increasing productivity. The integrated working distance adjustment eliminates the need for complex mechanical systems, making it a cost-effective and maintenance-free choice for applications where laser working distance control is required.

CAJO Tailor 2.5D™ is ideal for marking objects with multiple surfaces. The device can also be used when the fixed mechanical marking device has to adapt to variations in the height of the product.

Choose Cajo for intelligent product marking.



CONTACT INFORMATION

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CAJO SOFTWARE SOLUTIONS POWER YOUR PRODUCTION

CAJOSUITE™

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.



CajoSuite™



Cajo Control Board™

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**.



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



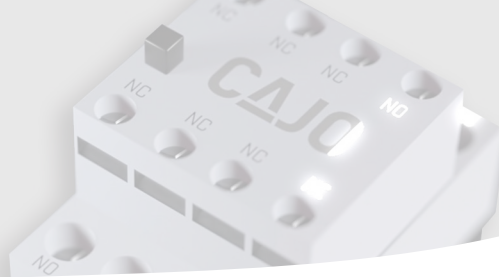
VERIFIED MARKING PARAMETERS
FOR 4 000+ MATERIALS

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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 (Fiber) 20 W / 60 W (FiberPlus) 20 W (Advanced)
Beam guiding	High-speed optical galvanometers Liquid lens
Marking speed (max)	500 characters/s or 7 m/s Can be upgraded up to 1000 characters/s or 14 m/s
Level change speed	< 15 ms
Marking field	70 x 70 mm, Z-range ±25 mm nominal working distance 190 mm 140 x 140 mm, Z-range ±40 mm nominal working distance 300 mm 175 x 175 mm, Z-range ±50 mm nominal working distance 385 mm * Marking field and Z-adjustment range depends on application and material.
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 20 W FiberPlus - 120 W / 60 W FiberPlus - 300 W 20 W Advanced - 130 W
Marking software	CajoSuite™
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)	IP21
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 Incremental encoder input (RS-422) 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 10 / Windows 11
Interfaces	1 x LAN

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