



CAJO TAILOR COMPACT UV™ - A SMART AND SUSTAINABLE ALTERNATIVE TO TTO

CAJO TAILOR COMPACT UV™ (WATER COOLED)

UV laser marking offers significant advantages over traditional TTO (Thermal Transfer Overprinting) technology, especially in high-speed and demanding production environments.

The Cajo Tailor Compact UV™ can be seamlessly integrated into existing production lines and is an excellent solution for **fast, accurate, and permanent marking** on food, beverage, and pharmaceutical packaging.

COMPLETE TURNKEY SOLUTION BY CAJO

Cajo Technologies offers a complete solution designed for seamless integration into industrial production environments.

Example case: Integrating laser marking system into bag-making machines. The Cajo laser can be embedded directly into or alongside the packaging machine with minimal mechanical modifications.

This enables high-quality, maintenance-free, and material-efficient marking that improves line uptime and reduces operational disruptions.



CAJO DELIVERY INCLUDES

- **The marking device**
Cajo Tailor Compact UV™
- **A full mechanical and safety integration package (optional)**
Including protective enclosures, safety locks, monitoring systems, and application-specific mechanical design
- **Software integration**
Enabling real-time data exchange, product-specific marking control, and full production line monitoring

Choose Cajo for sustainable product marking.



SUSTAINABLE TECHNOLOGY WITHOUT ADDITIVES

No need for inks, ribbons, or other expendables



HIGH-QUALITY, PRECISE AND PERMANENT MARKING

Ideal for delicate films, dark packaging, and sensitive surfaces



LOW RUNNING COST, SHORT PAYBACK TIME

Eliminate recurring costs for consumables and minimize downtime from ribbon or printhead changes



LOW MAINTENANCE REQUIREMENTS

Fewer moving parts and a long-lasting laser ensure high uptime and reliability



CONTACT INFORMATION

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CAJO TAILOR COMPACT UV™ TECHNICAL DATA

CAJOSMART™

CajoSmart™ is an embedded laser marking software designed by **Cajo Technologies** for demanding, high-speed and time-critical manufacturing processes. The flexible software can communicate seamlessly with machine or production control systems.

BASIC FEATURES

- Variable text and coding
- Automatic sequencing, timestamps, etc. are available
- Multirow text marking or template-based content
- Any vector graphics or logos can be added to the marking
- Comprehensive user manuals with minimal training required
- Industry 4.0 capability and continuous software development
- Factory-calibrated system with matching design and marking dimensions

USER INTERFACE

- Multilingual CajoSmart™ UI (option) optimized for touchscreen operation
- Multilingual and platform-independent CajoSmart™ Web UI (option)
- Multiple lasers can be controlled with one CajoSmart™ UI
- Enables a 3rd party to create their own UI by using Cajo integration interfaces



Laser type	Ultra violet (UV)
Wavelength	355 nm
Laser class	Class 4
Laser power	4 W 8 W
Beam guiding	High-speed optical galvanometers
Marking speed (max)	Up to 12 000 mm/s
Marking field	100 x 100 mm
Max size for the markable part	Scalable
Cooling	Water
Power supply	110-240 V / 50-60 Hz
Power consumption:	<750 W (including cooling)
Marking software	CajoSuite™ CajoSmart™

Dimensions and weights (H x W x L)

	Device enclosure 178 x 482 x 566 mm (11 kg)
	Marking head (including connector) with 100mm lens. 286 x 142 x 180 mm (7,68 kg)
IP rating (marking head)	IP54
Ambient conditions	5-40 °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

Processor / Memory / Hard Drive	Intel i5 / 4 GB / 64 GB
Operation system (x64)	Windows 10 / Windows 11
Interfaces	1 x LAN

TRADEMARK

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