



CAJO HELIXA™ - TURNING AGILITY INTO EFFICIENCY AND PRODUCTIVITY

CAJO HELIXA™

Cajo Helixa™ is a turnkey device platform with servo-driven technology for the high-class marking of semi-finished and finished products with diverse marking content. Helixa can be equipped with integrable Cajo Tailor™ lasers from with the desired optics to meet different production needs.

Helixa is equipped with a servo-driven Z-axis and a dual-position rotary table, ensuring highly efficient production. While one part or batch of products is being marked, another can be simultaneously unloaded and reloaded, minimizing downtime and maximizing throughput.

With the intelligent production mode of **CajoSuite™** software, different parts and marking surfaces can be defined for each marking cycle. The system automatically adjusts the Z-axis accordingly, ensuring precise marking

on varying surfaces and product types. The marking area itself is defined by the selected optics.

Cajo Helixa™ can be integrated smoothly into the production line or used as a separate workstation. The unit comes with adjustable feet as standard, allowing operators to set the optimal working height with proper ergonomics in mind.

The easy-to-use CajoSuite™ software makes designing and customizing marking content simple and flexible. It enables the addition of variable marking information, such as logos, serial numbers, barcodes, QR and data matrix codes, and other product information.



Choose Cajo for efficient product marking.



HIGH-QUALITY, PRECISE, AND
PERMANENT MARKINGS



SEMI-AUTOMATED
PROCESS



SEAMLESS INTEGRATION
FOR INDUSTRY 4.0



FAST AND EASY
TO OPERATE



LOW RUNNING COST,
SHORT PAYBACK TIME



SUPPORTS VERIFIED
CAJO MATERIAL LIBRARY

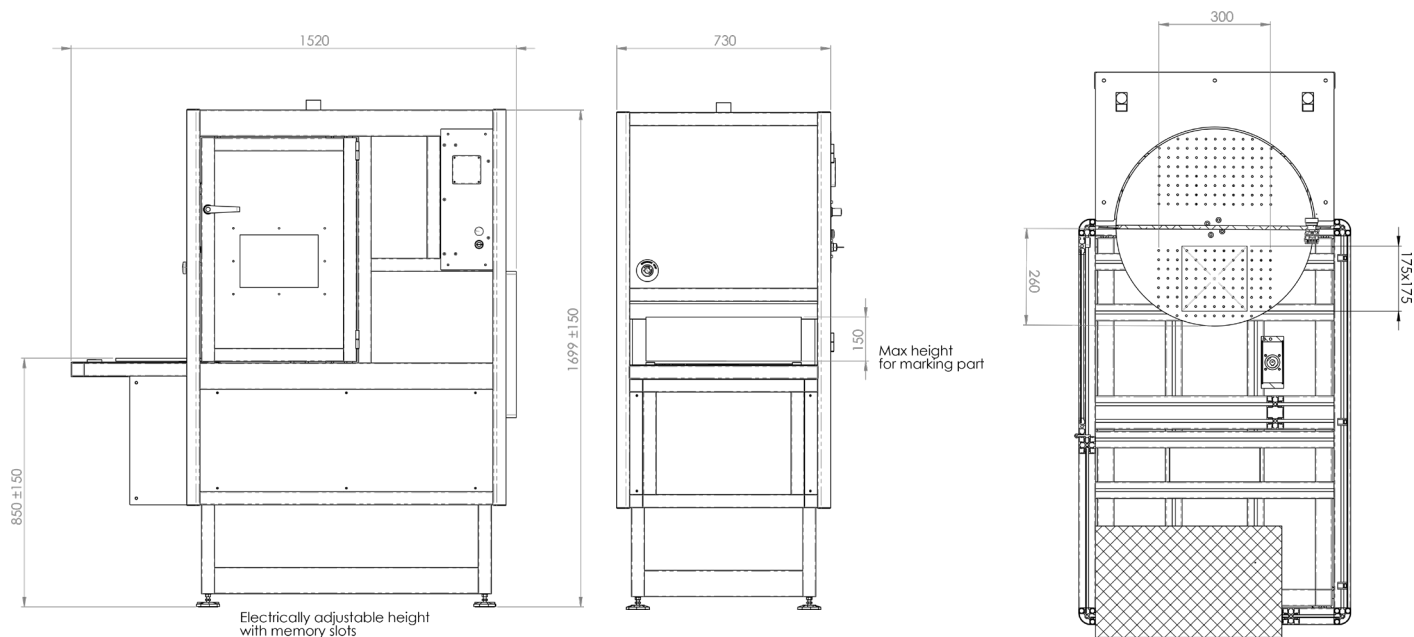
CONTACT INFORMATION

Rasivainiontie 8
FI-90440
Kempele, FINLAND
info@cajotechnologies.com

CAJOTECHNOLOGIES.COM



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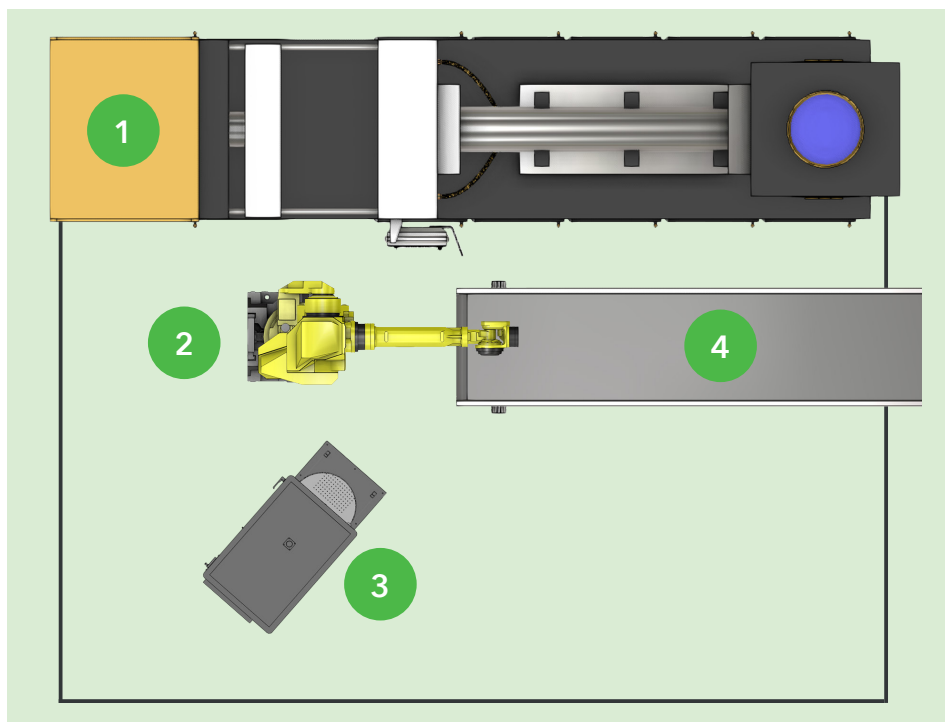


STANDARD CONFIGURATION:

- 2 Position rotary table
- Max part height 150 mm
- Max load for rotary table 30 kg
- Electrically adjustable height for optimal work ergonomic

USE CASE EXAMPLE:

1. Injection molding machine
2. Robot for part loading and unloading processes
3. Cajo Helixa™ laser marking device with rotary table
4. Unloading conveyor



TECHNICAL DATA

Laser class	Class 1
Max height of product for rotary table use (standard configuration)	150 mm
Max height of product for side door use (H x W x L)	
Tailor FiberPlus with 175 x 175 mm marking field	210 x 300 x 260 mm
Tailor FiberPlus with 220 x 220 mm marking field	120 x 300 x 260 mm
Tailor UV with 160 x 160 mm marking field	220 x 300 x 260 mm
Power supply	240 V / 50 Hz or 110 V / 60 Hz (depending on device version)
Power consumption	300 W + Tailor unit
Marking head position adjustment	Software controlled (CajoSuite™)
Dimensions (H x W x L)	1699 x 730 x 1520 mm Electrically adjustable height with memory slots (± 150 mm)
Weight (without Tailor)	165 kg
Ambient conditions	10-40 °C, humidity (non-condensed environment) ≤95 %
Fume extractor outlet	50 mm
Connectivity	I/O: 6 x IN 24 VDC, 6 x OUT 24 VDC 1 x LAN (for control) 1 x EtherCat (option)
Marking software	CajoSuite™
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
Suitable Tailor units	
	Tailor FiberPlus 20 / 60 / 100 W Tailor UV 4 (Requires extended cabinet)
Options	
	External Control Stand PC and accessories Fume extraction units

TRADEMARK

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