

Hypostent

The Hypostent is an ergonomic **Swiss Army knife** for laser manufacturing. It offers the **flexibility** to create complex designs for diverse **medical devices**. The addition of an advanced **galvo scanner** unlocks once-impossible business opportunities.

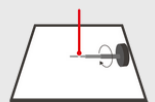
LASEA-Hypostent



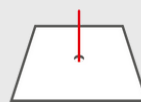
MARKING



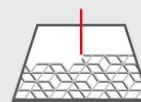
CHAMFERING



TURNING



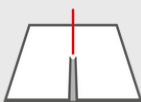
DRILLING



TEXTURING



CUTTING



ENGRAVING

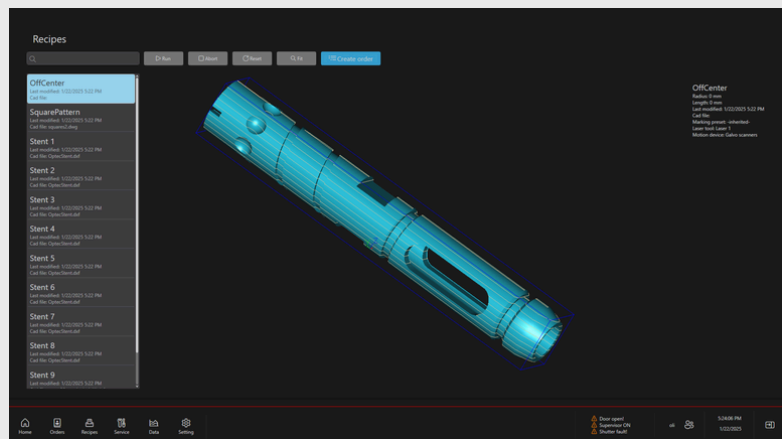
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HIGHLIGHTS

This best-in-class tool is easy to operate with an intuitive Human-Machine Interface (HMI) that is user-centric and task-centered.

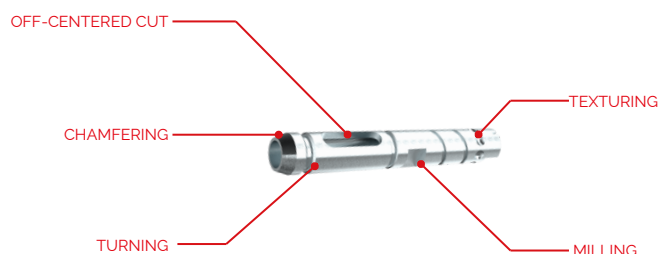
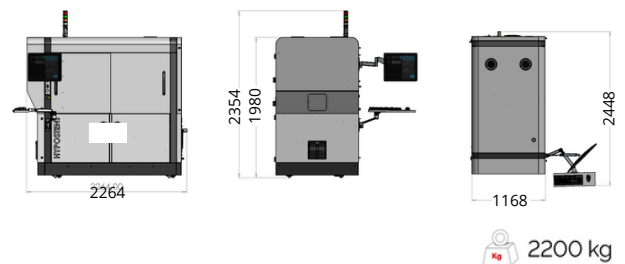
The interface is customized for each user type, minimizing training time and ensuring quick access to authorized functionalities.

The combination of cutting nozzle and scanner in one machine enables the widest range of laser processes for a single part setup.



Standard equipment:

- ▶ Femtosecond laser source (20W, 40W, 80W) with max. 200μJ pulse energy, bi-burst and nanoswitch modes
- ▶ Precise cutting head with 50 mm or 80 mm focal length and coaxial camera
- ▶ Water-cooled, high-accuracy galvo scanner from ScanLab (excelliscan14) with 70 mm f-theta lens
- ▶ Up to 4 axes including dynamic rotary stage + ACS drives for motion control:
 - X = 300 mm
 - Y = 250 mm (tool change axis)
 - Z = 100 mm
- ▶ Ergonomic 27" touchscreen with optional keyboard
- ▶ Safe and stable enclosure with protected beam path
- ▶ Dust extraction system with fire protection
- ▶ Integrated job editor adapted to CAGILA®
- ▶ US-based support team in San Diego area



Upgrade Options:

- ▶ Dual laser setup with 150W QCW fiber laser
- ▶ Additional off-axis camera with motorized zoom for advanced positioning
- ▶ Wet-cutting option
- ▶ Bar feeder