BENTHORcube powered by Xentara

BenThor automation GmbH presents the BENTHORcube: a compact, industrial laser system for precise labeling, engraving, and marking of a wide variety of materials.

Real-time control, I/O communication and the user interface in the BENTHORcube are based on Xentara. This solution was chosen after BenThor expressed a desire to replace the classic monolithic legacy PLC with a flexible and future proof software-based control system offering high performance on a small footprint.

Hilscher GmbH added their netFieldOS real-time operating system and advanced device management through netField Cloud.

BENTHORcube at a glance:

- Standardized design – individually configurable
- Optional automation via the BENTHORbot
- Ideal for steel, aluminum, plastic, wood, and ceramics

Benefits compared to traditional PLCs:

- Hardware independent control at significantly lower cost
- Usage of high level languages (C++) instead of IEC standards
- Cybersecurity mesh architecture - secure out of the box
- WebSocket- / WebAssembly based HMI for quick and easy design
- Open interfaces for expansions and value added services
- Easier feature rollout though simple software upgrades

Xentara

https://xentara.io

Partner Technologies Coming Together:
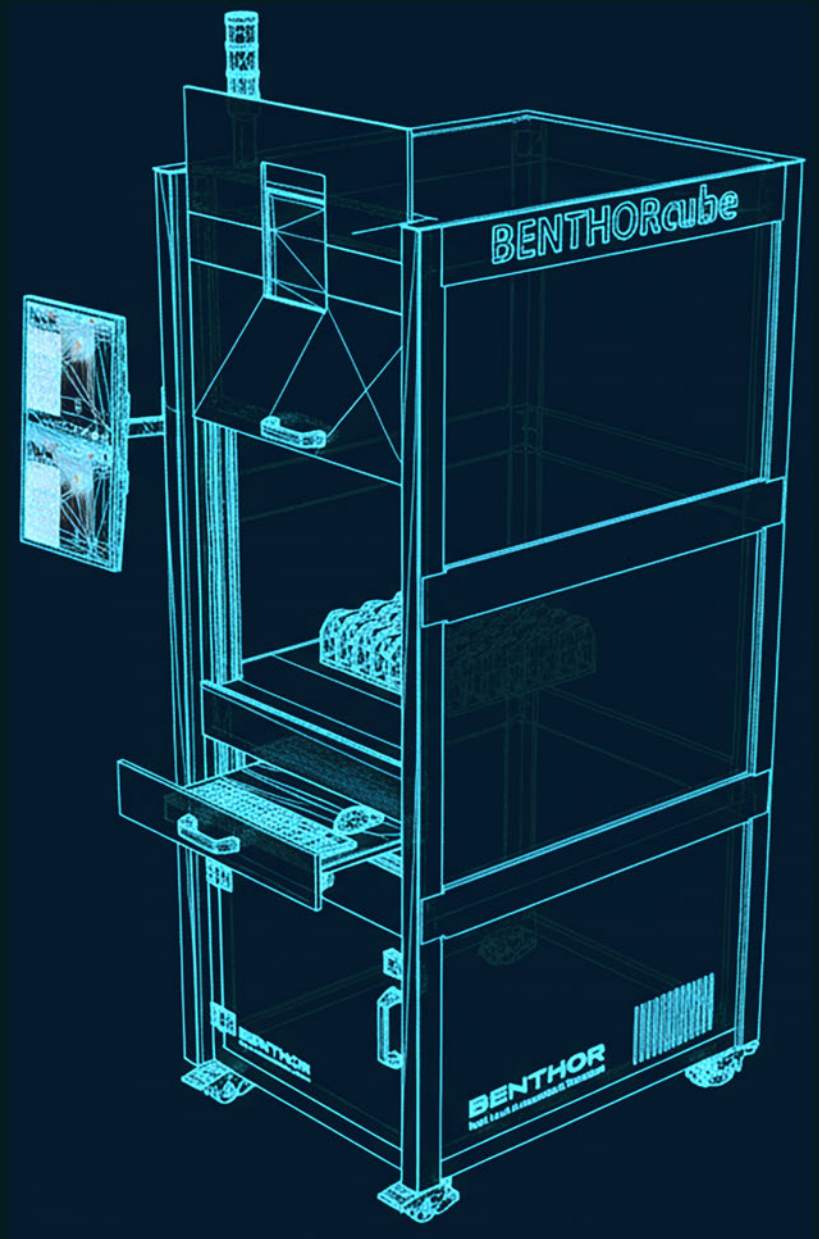
Xentara

- Real-Time Automation Platform
- IT / OT Connectivity
- C++ Control
- Security

BENTHOR

- Laser Cell
- Electronics
- User Interface (HMI)
- Programming

hilscher

- netField OS Real-Time Operating System
- netField Cloud for Device Management

We Make Industrial Transformation Happen.