



## **Boss Synchronos** Robotic Rotary Machine

3 Axis 3D Digital  
Galvo Laser

INDUSTRY LEADING  
**1 YEAR**  
WARRANTY

## **BOSS Synchronos**

The Boss Synchronos is the best-in-class solution to rapidly scale product personalization. This innovative click-to-ship process, where customization flow can take under one minute, maximizes efficiency, ensuring prompt execution without compromising quality.



### **Rotary Carousel Integration**

- Ease of use loading/unloading process from the marking process.
  - Minimize laser down time
- Reach Production capacities averaging 1000 Units/Day as a result of Continuous Run time
  - Reduced labor due to added buffer time
- Give operator more time to handle multiple aspects of production



### **Robotic Arm Integration**

- Automatically adapts to product specifications.
- The use of top of the line Robotic arm together with our patented vacuum gripper, allows near perfect alignment
  - Eliminate costly manual fixturing processes
    - Reduce Change Over time
    - Reduce Labor Cost
- Reduced need for specialized labor

| SPECIFICATIONS          |                                   |                         |   |
|-------------------------|-----------------------------------|-------------------------|---|
| Power Requirements      | Single Phase 208-250V AC @ 40 AMP | Laser Power             | 180 watts                               |
| Machine Dimensions      | 51" W x 87" H x 46" D             | Data Communication      | Ethernet                                |
| External Chiller Size   | 47" W x 89" H x 67" D             | Environmental Condition | 60 to 85°F, 10 to 85% relative humidity |
| High Pressure Air Input | 90 psi, 15 CFM, Clean Dry Air     | Cooling System          | Water chiller                           |
| Laser                   | CO2 Class 1 and Class 2M laser    | Exhaust                 | Internal exhaust                        |

