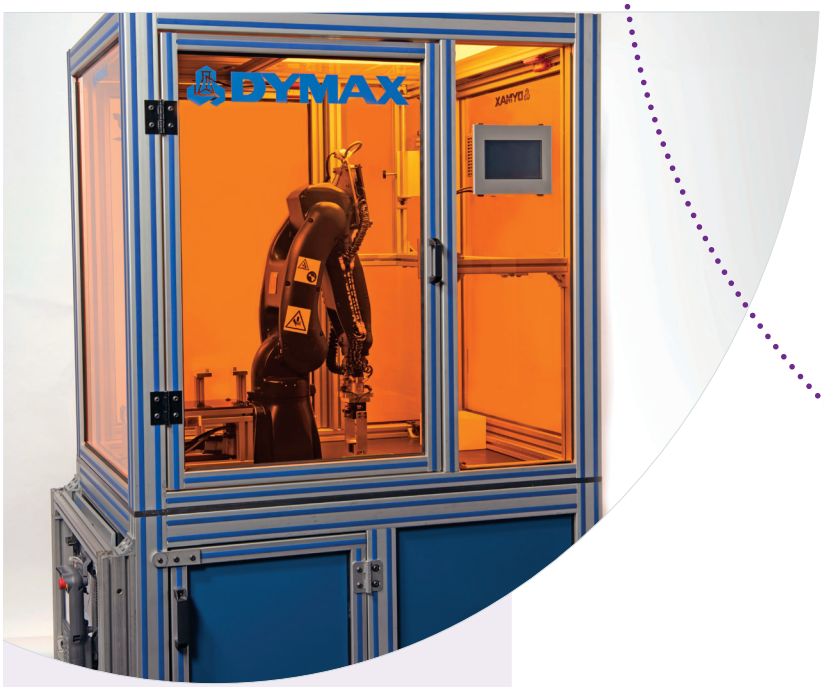


DYMAX®

# 6-Axis Masking Cell

The 6-axis masking cell is a versatile and compact workstation for customers that need an efficient solution for part checking, dispensing, curing, and inspection, all in one package.

The system is capable of masking components with complex geometries and provides a comprehensive UV curing solution that supports the design of precision part handling in medical and aerospace applications.

## Applications

For small to mid-size parts requiring complicated, organic motion control. Programmed for handling medical hip and spinal implants, this cell is ideal for coating complex 3-dimensional part contours.

## Benefits

### Reliability and Product Quality

- Robotic automated program ensures repeatable and verifiable placement and dose on compli-cated part geometries
- Supports the latest material technologies with vision and fluorescing
- Decreases costs and risks associated with manual, misapplied coatings
- Standardizes processes across operators and environments

### Production Efficiencies

- Work cell customized to your specific application needs
- Scalable for growth with remote programming
- Increase throughput with batch processing
- Reduce manual tasks, increase operator efficiency

| Specifications | |
|---|---|
| **Yaskawa GP7 Robot** | |
| Controlled Axes | 6 |
| Max Payload | 8 kg |
| Repeatability | ±0.02 mm |
| Horizontal Reach | 727 mm |
| Vertical Reach | 1,312 mm |
| Robot Weight | 32 kg |
| System Weight | 130-150 kg |
| Internal User Air Line | (2) ¼" Connection |
| Power Requirements | 380-480 VAC |
| Internal User I/O Cable | 17 Conductors (+Ground) |
| Enclosure with Interlock | 2 |
| **Dispense Equipment** | |
| 1-up or multi-head fixtured dispense capabilities<br>Dispense = time/pressure, positive displacement, auger for producing bead, dot, flow, spray | |
| **Curing Equipment** | |
| Active or static. UV or LED spot, flood | |

## Expandability and Additional Hardware Options

- Smart-track dispensing verification scanning technology
- Grippers (variable & constant force)
- Custom, multi-spindle EOAT tooling design
- Part orientation and pre-inspection 3D scanning
- Suction (vacuum)
- Turn table/baseplate
- Infeed/outfeed aggregators and cassette systems
- Adaptable for indexed conveyors
- Standard and 3D vision/inspection camera systems available
- Force guides and testing integration

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