



Benefits

Reliability and Product Quality

- Robotic automated program ensures repeatable and verifiable placement and dose on complicated 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

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.



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 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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