

# CP100™

## Standard Automation Platform for General Assembly Applications

### Flexible, Modular Assembly

#### CP100™ OFFERS A FLEXIBLE, MODULAR AUTOMATION PLATFORM READY TO HANDLE A VARIETY OF PRODUCTION PROCESSES

Jabil's CP100 platform provides a robust machine base for automating a wide range of production applications, from basic to complex. This platform allows for the integration of various process equipment to address diverse application needs. The SIM platforms can function either inline or as independent workstations.

### FEATURES AND BENEFITS

- CP100 is flexible & redeployable
- Platform supports a range of processes from semi-manual to fully-automated
- System can be fitted with pallet conveyor, edge belt conveyor, or manual load stations
- Platform can be configured stand-alone or as inline systems to ensure optimal support of interrelated processes, production speeds, and quality
- Supports Cartesian, SCARA or 6-Axis robots
- Vision location and inspection options (up-camera or down-camera)
- Full safety guarding (OSHA and ANSI compliant).
- UL/CE Compliant
- Quick-change feeder mounting

### TYPICAL APPLICATIONS

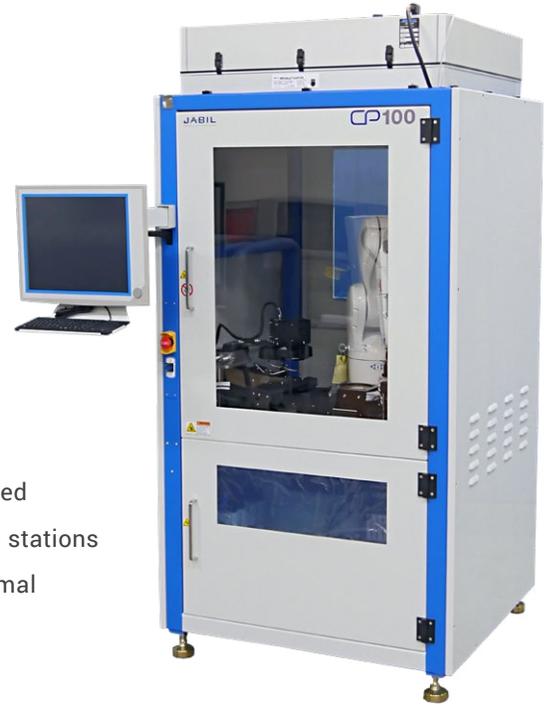
- Pick and Place
- Vision Based Assembly
- Precision Dispensing
- Screw Fastening
- Battery Test & Assembly
- Label Placement
- Filling
- Ultrasonic & Laser Welding

### CP100 OPTIONS

- Cartesian, SCARA, 6-Axis robots
- Edge Belt or Pallet Conveyor
- Linear Servo Conveyor
- Mechanical or Vision Locating
- Product Positioning Stages
- Vision Based Alignment
- Vision Inspection
- Mechanical or Vacuum Grippers
- Precision Dispense Heads
- Cleanroom Options
- Barcode Scanner & Traceability

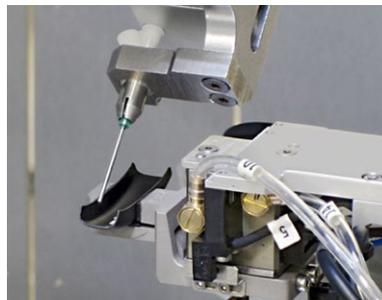
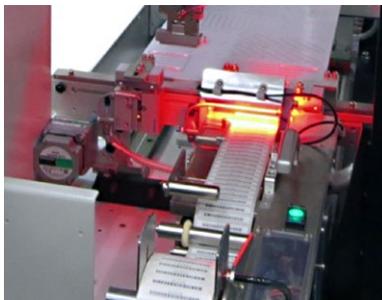
### KEY FEATURES

- Scalable Base Frame (750, 1000, 1500 mm wide)
- Fully Automated or Semi-Auto Collaborative Operation
- Variety of Robot Options
- Multiple Machine Vision Configurations



**TECHNICAL SPECS**

Footprint	__mm(w) x __mm(d) x __mm(h)
Work Envelope	__mm(X) x __mm(Y)
Axes of Motion	3, 4 or 6
Z Max Stroke	100mm typical
Theta	360 deg
Manipulator Repeatability	X, Y, Z ±25 µm Th ± 0.005 deg
Manipulator Payload	6 kg (typically)
Utility Requirements	Power: 220VAC ±10%, 50/60 Hz Air: 6 bar, 25 L/min
Product Presentation	Edge Belt Conveyor Pallet Conveyor Manually Loaded Slide Various Parts Feeder Options
Controls System	Beckhoff IPC with TwinCAT ARVIS Visual Programming Environment
Electrical I/O	User I/O – 24 VDC, 16 General Purpose Inputs / 16 General Purpose Outputs (NPN) Expansion I/O – 16 Inputs / 16 Outputs per expansion card (NPN) Remote I/O – 20 Inputs / 12 Outputs per Remote card (NPN)
MES & Traceability	MES & Traceability Barcode input; Logging; Factory Communication options



For additional information, visit [jabil.com/precision-automation](http://jabil.com/precision-automation)