

SIM500™

1/2 METER STANDARD
INTEGRATION MODULE

FLEXIBLE MODULAR AFFORDABLE ASSEMBLY

Jabil's Standard Integration Module (SIM) platform utilizes interchangeable modules to automate basic to complex production applications. Pre-engineered solutions minimize risks, simplify integration, and reduce lead-time. SIM platforms can be used inline or as stand-alone work stations.

JABIL

The most technologically advanced and trusted manufacturing solutions provider

PRODUCT FEATURES AND BENEFITS

- SIM is redeployable - designed with common interfaces enabling rapid change-over of applications.
- Platform supports a range of processes from semi-manual to fully-automated.
- System can be fitted with pallet conveyor or edge belt conveyor, with reversible left-to-right or right-to-left conveyor flow.
- Platforms can be configured in any orientation ensuring optimal support of interrelated processes, production speeds, and quality.
- Modular Z-axis and optional Theta axis.
- Vision location options (up-camera or down-camera).
- Standardized mounting flanges and control interfaces.
- Quick-change feeder mounting.
- Full safety guarding (OSHA and ANSI compliant).

SIM500™ offers a platform that is flexible and modular to handle a variety of production

APPLICATION MODULES

- Label Placement
- P2P Soldering
- Screw fastening
- Vision Based Alignment
- Precision Dispensing
- Pick and Place

SIM CELL OPTIONS

- XYZ Cartesian
- Edge Belt or Pallet Conveyor
- Pneumatic Shuttle (future)
- Board Support (tall stroke)
- Theta Axis on Manipulator
- Vision Up-Camera or Down-Camera
- Barcode Reader

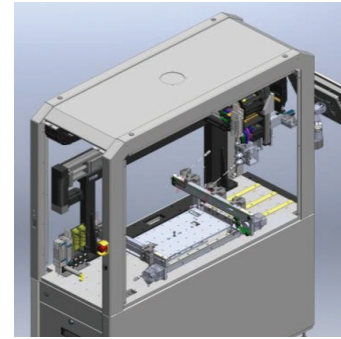
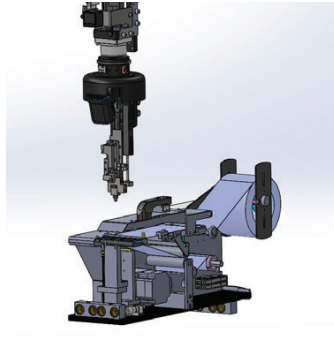
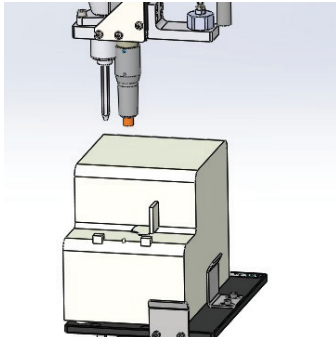


Standard platform sizes ensures compatibility across multiple configurations and sites

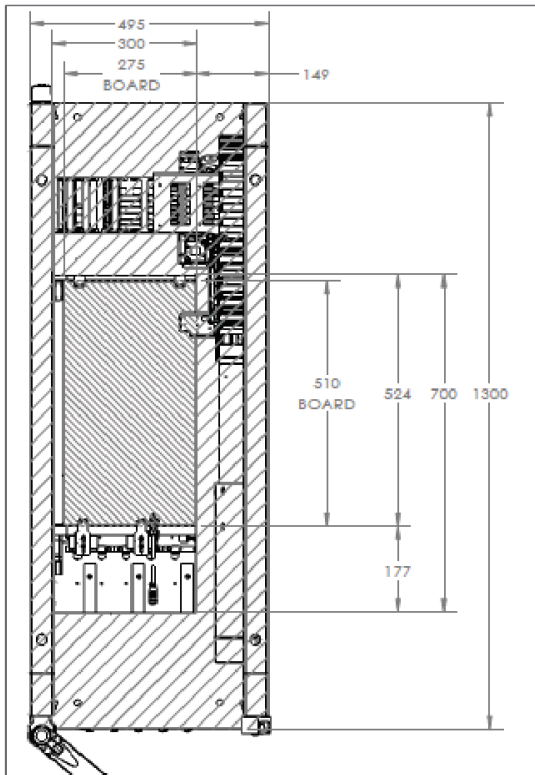
SIM500™

FLEXIBLE, MODULAR, AFFORDABLE ASSEMBLY

JABIL



BASE CELL LAYOUT



SPECS

Machine Footprint	495 x 1363mm
Work Envelope	300 x 700mm
Axes of Motion	3 axes (X, Y, Z)
Manipular Payload	6 kg (on Z-Axis)
Manipulator Repeatability - X, Y	±50µm
Utility Requirements - Power - Air	220VAC ±10%, 50/60Hz 6 bar, 25 L/min
Product Presentation - Edge Belt Conveyor (Standard) - Pallet Conveyor (Option) - Empty Deck (No Product Presentation)	
Feeder Slots Available	3 Ports (3 ins / 2 outs each)
User I/O - Electrical I/O	12 ins / 13 outs (Base) – Expansions: 8 ins / 8 outs 9 ins / 4 outs (Robot, for EOAT)
- Pneumatic	Expandable via Ethernet I/O 4 pre-wired valves (Deck) 6 pre-wired valves (EOAT) Expansions: 2 valves each
IQWare™ Visual Programming Environment	
MES Connectivity	

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