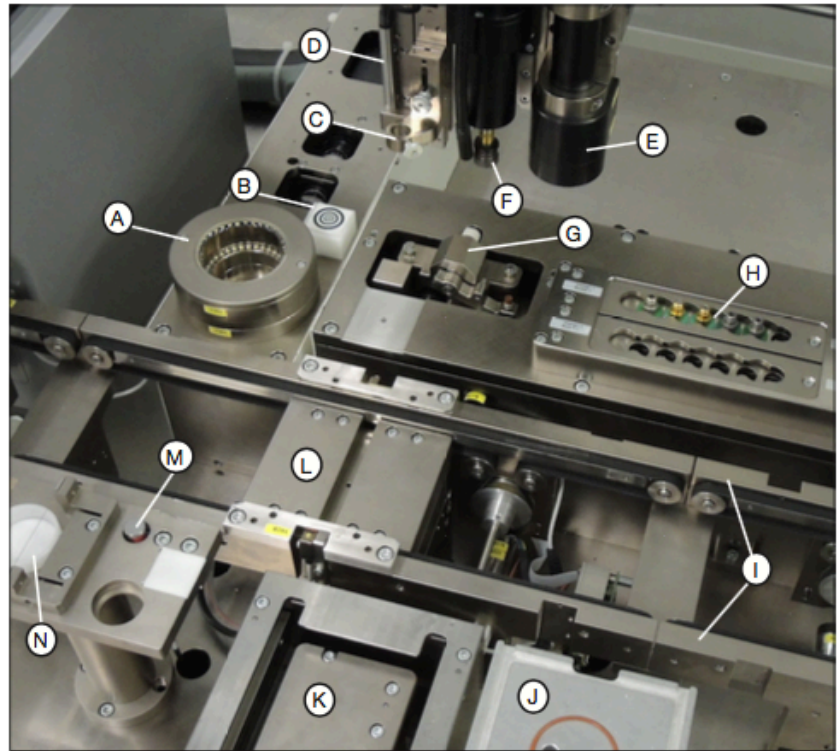


Custom Application Example:

- A - Lower Camera**
- B - Camera Calibration Station**
- C - Time/Pressure Dispenser**
- D - Upper Touch Probe**
- E - Upper Camera**
- F - Assembly Head**
- G - Die Flipper**
- H - Nozzle Changer**
- I - Conveyor/Transporter**
- J - Gel-Pak Location (4")**
- K - Stack Tray Loader (4")**
- L - Lift Station**
- M - Lower Touch Probe**
- N - Purge Station**



Data/Specifications:

IC-900 Cell: 914mm W x 2334mm H **IC-1200 Cell:** 1214mm W x 2334mm H **IC-1600 Cell:** 1614mm W x 2334mm H

IP-Robot Platforms: Chart shows available platforms (except IP-500 desktop) that can be incorporated into any IC Production Cell.

	IP-100	IP-500 Desktop	IP-500 Cell	IP-520 Cell	IP-620 Cell
					
Travel Range X	93 mm 150 mm	400 mm	400 mm	210 mm 270 mm 340 mm 400 mm 540 mm	210 mm 270 mm 340 mm 400 mm 540 mm
Travel Range Y	440 mm 550 mm 680 mm	400 mm	400 mm	400 mm	620 mm
Axes Resolution X/Y	0.0002 mm (0.2 μm)	0.0002 mm (0.2 μm)	0.0002 mm (0.2 μm)	0.0002 mm (0.2 μm)	0.0002 mm (0.2 μm)
Repeatability	±0.005 mm @ 3σ	±0.005 mm @ 3σ	±0.005 mm @ 3σ	±0.004 mm @ 3σ	±0.004 mm @ 3σ
Process Accuracy*	±0.010 mm @ 3σ	±0.010 mm @ 3σ	±0.010 mm @ 3σ	±0.009 mm @ 3σ	±0.012 mm @ 3σ
Cycle Time**- Pick & Place	ca. 1.5s	4.4s	1.4s	1.0s	1.1s

* Values are based on glass flip chip placements on glass substrate. Local process accuracies of 0.003 mm can be reached depending on the application.
 **Vision and pick, vision and place of the object.



Air-Vac's partnership with Infotech Automation provides service and support, a major component to the product offering - from engineering design and proof of concept, to installation, training, service and on-going technical support.