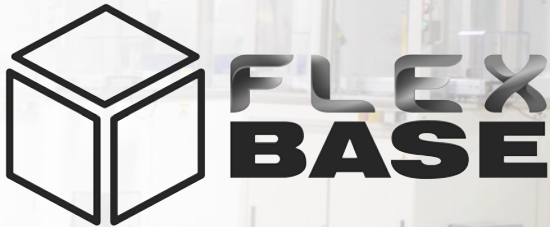


**FASTER,
SIMPLER,
SMARTER,
MODULAR
AUTOMATION**



ABOUT FLEXBASE

FLEXBASE is a configurable, modular platform for automation. FLEXBASE enables manufacturers to standardize production equipment, simplify engineering and maintenance, and adapt quickly to rapidly changing production requirements. It also provides a lower risk path to transition manual processes to semi-automated or fully-automated.

Available in our standard 4-ft or 6-ft models, FLEXBASE can be configured as a standalone automated workstation or linked together to quickly create a complete production line. Optional conveyors can be configured with over/under pallet recirculation.

FLEXBASE is ISO 6 compliant and can be FDA validated with a documentation package. It has a maximum height of 7'6" to fit through a standard 8' doorway and includes built-in levelers. It is also ergonomically designed to accommodate a standing or sitting operator.

FLEXBASE is a platform for manufacturing processes including assembly, sorting, testing, handling, fastening, joining, and more. Its standard foundation for automated processes enables manufacturers to reduce risk, lower cost, and accelerate time to market.



Fully integrated Allen-Bradley controls are adaptable to a variety of automated operations.



Optional upper and lower Quickdraw® Conveyor with stop stations can include barcode readers and machine vision.



Standard FLEXBASE systems are very compact at 40" deep and either 48" or 72" wide.



Connect units and integrate other machines to quickly build a comprehensive production line.

FLEX BENEFITS

FASTER

- Highly scalable
- Less engineering required than custom automation
- Faster deployment than custom automation
- Connect together to quickly create a full assembly line

SIMPLER

- Standardized Automation Platform
- Easy to maintain
- Low risk plug-and-play approach

SMARTER

- IIoT-ready control system including IO-link enabled hardware
- Ready to utilize OEE Optimizer® Machine Analytics Software

MODULAR

- Easy to modify from manual, to semi, to fully-automated
- Reconfigurable
- Suitable for many processes and industries
- Add and remove bases with ease



Connect a series of units to create your assembly line.

WHAT COMES WITH THE STANDARD FLEXBASE?

Each FLEXBASE comes with fully integrated controls platform that adapts to a variety of robot and tooling options, which are easily retooled for product changes. FLEXBASE is a clean room ISO 6 compliant solution.

MACHINE BASE

- Fully Welded Steel Frame
- Powder Coated to Customer's Specifications
- Leveling Feet
- Powder Coated Skins on Right & Left sides

GUARDING

- Extruded Guarding Frame
- Removable Lexan Panels on Top and Sides
- Mounting Bracket with Stack Light
- Banner LED Lighting for Work Area
- Optional Lexan Doors in Front and Rear with Hinges and Handles
- Optional Interlocked Door Safety Switches on Doors

POWER

- 120, 208, or 240 VAC Standard Options
- Optional UPS for other voltages or poor power quality

CONTROLS

STANDARD

- Allen Bradley Compact GuardLogix® 5380 Safety Controller
- Allen Bradley 1734 Point IO Adapter
- Allen Bradley includes Safety & Non-Safety IO modules
- Control Panel with 30-Amp Disconnect Switch
- Circuit Protection
- 24 VDC Power Supply
- PLd Safety Circuit
- Programming Port
- 8 Port Managed Ethernet Switch
- 24 Port POE+ enabled Ethernet Switch
- IFM IO-Link Master
- SMC Ethernet/IP 8 Station Valve Bank Standard Options
- (3) Segment LED Light Stack with Horn (IO-Link Enabled)

OPTIONAL

- Industrial Computer with Touchscreen
- (3) Station Pushbutton Box (start, stop, reset)
- (1) PB Station with E-stop (x2)
- POE Web Cameras (for remote/external monitoring only)
- UPS for 208/240VAC Input to 120-208/240 VAC Output
- Cognex DMR-262S-0542-P Barcode Reader
- Upper and/or lower Quickdraw conveyor
- Light curtains in lieu of guard doors
- Guarding with Pilz safety switch
- Lift and locates for precise part location
- Conveyor flow control devices including stop, downstream clear, lift and locate

YOUR TRUSTED PARTNER
IN AUTOMATION



OUR SERVICES



AUTOMATION CONSULTING

We help manufacturers develop a winning automation plan & manage risks with our industrial automation consulting services.

- Automation Architecture
- Conceptual Design & Scoping
- Simulation & Digital Twins
- Risk & Safety Assessment



CUSTOM AUTOMATION

Our custom automation systems improve productivity, quality, and safety and are designed to be easy to operate and maintain.

- Turnkey Automation
- Control Panels
- Control System Integration



AUTOMATION OPTIMIZATION

We help manufacturers get the most out of their equipment with data-driven insights, automation training, and on-site support.

- Machine Analytics
- Site Support
- Automation Training

WHAT MAKES US UNIQUE



CERTIFIED AUTOMATION PARTNER (CAP) PROGRAM

This program reduces risk in vendor selection and project delivery. We assess leading automation suppliers then match you with the best one for your application. Our controls engineering can provide consistent architecture across automation systems, regardless of which supplier builds the machine.



ARCHITECTS OF AUTOMATION

We create the controls architecture for a manufacturer's operations across automation systems and plants. This provides a cohesive approach to automation which will reduce downtime, improve speed to production, and reduce training requirements.



NTH UNIVERSITY

Automation^{nth} engineers earn a "Masters in Automation" by completing courses in a comprehensive controls and automation training program we developed called NTH University.



RISK MANAGEMENT

We strive to understand your processes and requirements at least as well as your team does, if not better. We also utilize simulation and rapid prototyping to reduce risk of cost and schedule overruns.



SMART FACTORY

We help manufacturers create a Smart Factory by getting the right information to the right people when they need it in order to make better decisions.



EXPERIENCED TEAM

We've successfully delivered highly complex automation projects working with the world's largest machine builders. This allows us to see the complete automation picture and work effectively with mechanical partners through our CAP program.