

Korvis 110 Compact Platform - Features

The Korvis 110 Compact Platform is a robust, efficient, and configurable automation base. Modular design and a small footprint set the 110 in a class by itself.

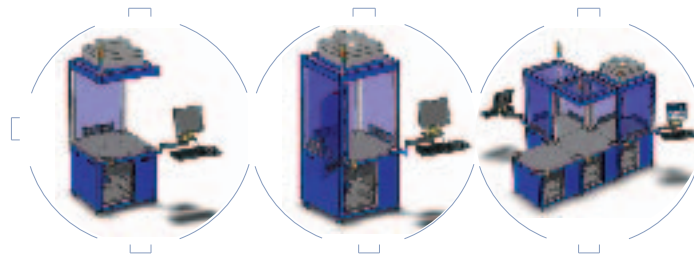
- A heavy wall tubular steel frame supports an aluminum tooling plate
- Multiple platforms can be connected to form a custom manufacturing network and unlimited production flow
- Standard features include AC/DC power distribution, vacuum and pneumatic valve banks, network I/O, and a complete safety interlock system
- Serviceable devices are mounted on slide-out shelves, accessed from the front of the platform
- 19" rack mount space is provided for electronic equipment such as computers and controllers
- The user interface comes standard with a 19" flat screen monitor with fully adjustable height & tilt angle
- Standard features such as doors, interlocks, e-stops, operator interface, and fixed panels can be installed in hundreds of combinations



Korvis Automation is known for innovative design and attention to detail, attributes evident in the 110 Platform. Designed to be space efficient and flexible, the 110 is an ideal match for your manufacturing process or equipment needs. These unique platforms are immediately available, allowing the Korvis team to design specific tooling or provide a building block for customers to develop their own systems.

For more information, visit www.korvis.com.

Quantity pricing available



KP 110 is shown outfitted for wafer fab application, complete with BOLTS interface and wafer handler

General

- Dimensions: 37" wide x 37" deep x 94" tall (including HEPA)
- Upper frame components can be mounted in any of four configurations or completely removed
- Cleanroom and FDA approved finishing techniques
- Flat aluminum tooling plate with standard hole patterns
- Wheels to roll, feet to level
- Designed for S2 and S8 compliance

Electrical

- Input 110/208/230 VAC, 50/60 Hz, 30 amps, single phase or 3-phase
- General purpose circuits with distributed receptacles
- Regulated DC power supply and distribution
- Resident Input/Output network with remote nodes
- Network expandable for analog and digital devices
- Hard wired safety interlock system with failsafe control
- Remote emergency stop switches
- Light pole for system status and alarm (panel or roof mounted)
- Optional CE or UL marking

Controls

- Industrial rack mount computer with expansion slots
- 16+ axis Windows-based motion control
- Supports multiple hardware motion platforms
- Full-featured, closed loop multi-axis architecture
- Extensive software libraries to tame complex control tasks

Environmental Enclosure

- HEPA filtered enclosure, clean room class 10 compatible
- Adjustable air flow rate
- Optional humidity control, closed loop
- Optional temperature control, closed loop

Pneumatics

- Pneumatic supply integrated with emergency stop and system soft start
- Computer controlled 24V pneumatic valve bank, expandable
- Computer controlled 24V vacuum valve bank, expandable
- Pull-out sliding shelves for hardware accessibility
- Optional vacuum generator
- Utility dry air gun for general purpose use