

Korvis Platform™

The Korvis Platform ergonomically incorporates a solid granite base with facilities, safety systems, and environmental control. Coupled with Korvis Platform Controls, lead times on customized turnkey systems are substantially reduced. The Korvis Platform is an excellent starting point for most any custom automation project, including clean room processes, precision motion applications, and inspection equipment.

- A tubular steel frame supports a vibration isolated granite tooling surface.
- The unique safety enclosure doors feature a double-hinge design using only two corner posts instead of four, improving maintenance by allowing access to nearly every point inside the cell.
- All access doors are interlocked and controlled by a hardwired redundant safety system.
- Standard features include AC/DC power distribution, vacuum and pneumatics valves, modular remote I/O, and a complete safety interlock system.
- Serviceable devices are mounted on robust slide-out shelves, accessed from the front of the platform.
- Ample 19" rack-mounted space is provided for electronic equipment such as computers and controllers.
- A user interface with a bright, flat screen monitor comes standard, with fully adjustable height and tilt angle to accommodate the operator.

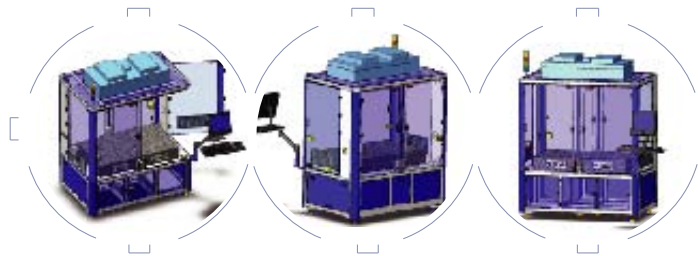
Platforms are immediately available, allowing the Korvis team to efficiently design process specific tooling, or providing a building block for customers to develop their own systems. Parametrically designed for customization, the Korvis Platform™ is the perfect match for system integration projects.



Korvis Platform™ – Features

Korvis Automation Inc. is known for innovative design and attention to detail, attributes evident in the Korvis Platform. Designed with the end user in mind, the platform is a flexible building block for basic or complex automation applications.

Quantity pricing available - go to www.korvis.com for price details.



General

- Standard outside dimensions: 86" tall x 60" wide x 47" deep
- Alternate compact platform available Jan 04
- Clean Room and FDA approved finishing techniques
- Lapped granite with generic insert pattern
- Optional vibration control

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 interlocks system with failsafe control
- Remote emergency stop switches
- Light pole for system status and alarm
- Optional CE and 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 Controls

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

Operator Interface

- Flat panel display
- Ergonomic keyboard with wrist pad
- Full ergonomic adjustability accommodates seated or standing interface

Pneumatics and Fluidics

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