

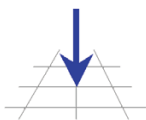
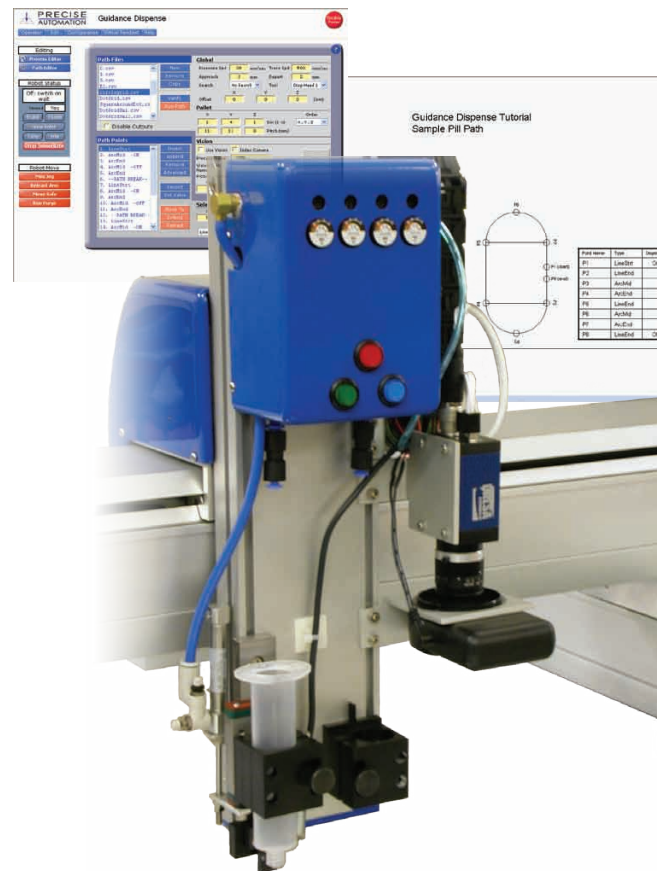
GUIDANCE DISPENSE

Easy-to-use, fully integrated, automated dispensing hardware and software

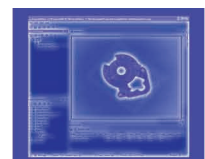
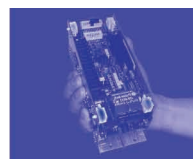
Guidance Dispense automatically dispenses adhesives, sealants and other fluids along both simple and arbitrarily complex paths. Path programming is performed using simple teach and repeat methods without the need for programming. Dispensing can be augmented by machine vision to automatically correct for deviations in part position and orientation.

The software executes on any Precise Automation Guidance Controller (including those in Precise's robots and those controlling any third party mechanism). A graphical user interface provides all the tools for teaching straight and curved three-dimensional paths and controlling the operation of syringes. Our advanced control tools allow dispensing to be turned on and off at programmable distances along the path and switches the air supply from pressure to vacuum to eliminate dripping.

All hardware components are designed for easy mounting on the PrecisePlace robot's Z-axis and for simple electrical integration to the robot's power harness.

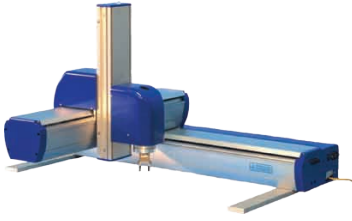


PRECISE
AUTOMATION



GUIDANCE DISPENSE WORKS SEAMLESSLY WITH:

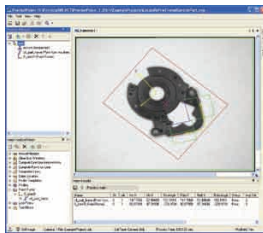
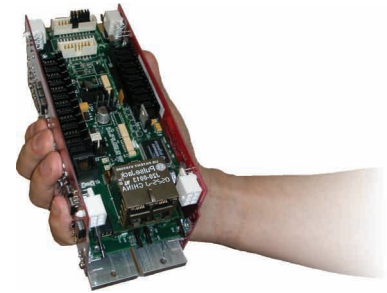
Precise Robots



PrecisePlace Cartesian and PreciseFlex SCARA robots feature smooth, quiet servo motion for a low price. All Precise robots come out of the box fully assembled and straight into your application. Just plug them into an AC outlet and Ethernet port and they are ready to work. Their controller, drives and harnesses are embedded within the robot's structure resulting in a much smaller footprint. No controller integration required, no harness to purchase or thread, no extra combining brackets, no extra controller cabinets. Every Precise robot includes the powerful Guidance vision-guided motion controller.

Guidance Controllers

A family of 4-axis motion controllers with built-in drives that fits in the palm of your hand. Guidance Controllers feature multi-axis coordinated motion, integrated servo motor drives, network communications, machine vision and more in a design small enough to fit in your hand, yet powerful enough to drive room size gantries. The small size enables the controller to fit inside a robot's structure, eliminating the need for controller cabinets, long and expensive cables and costly connectors. Multiple controllers can be networked together to simultaneously control up to 32 axes. Combined with Precise's powerful programming language and multi-axis kinematics library, Guidance Controllers are ideal for a wide range of industries and applications.



PreciseVision Software

Vision provides a simple solution for applications requiring locating parts, correcting for manufacturing tolerances, inspecting parts or visually closing a position loop (visual servoing). PreciseVision integrates seamlessly with Guidance Controllers including those in Precise robots. It features an easy to use graphical programming interface, patented object locator, visual inspection and measurement tools and more.



automate with ease