

Smart Base

Computer-Integrated Work Platform

Introducing **Smart•Base** – the first truly reusable computer-integrated work platform designed specifically for the rapid development of automation and instrumentation.

The **Smart•Base** work platform is a fully integrated electronic work station with an on-board computer that controls digital I/O, pneumatic solenoids, stepper or servo motors, cameras, and robots, all of which are ready and waiting for your applications.

Step 1: Select the various components you want to use in your assembly and attach them to the tabletop rails.

Step 2: Connect each component to the quick-connect panel located at the rear of the tabletop.

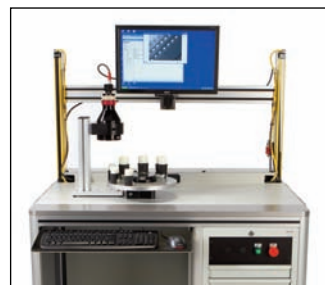
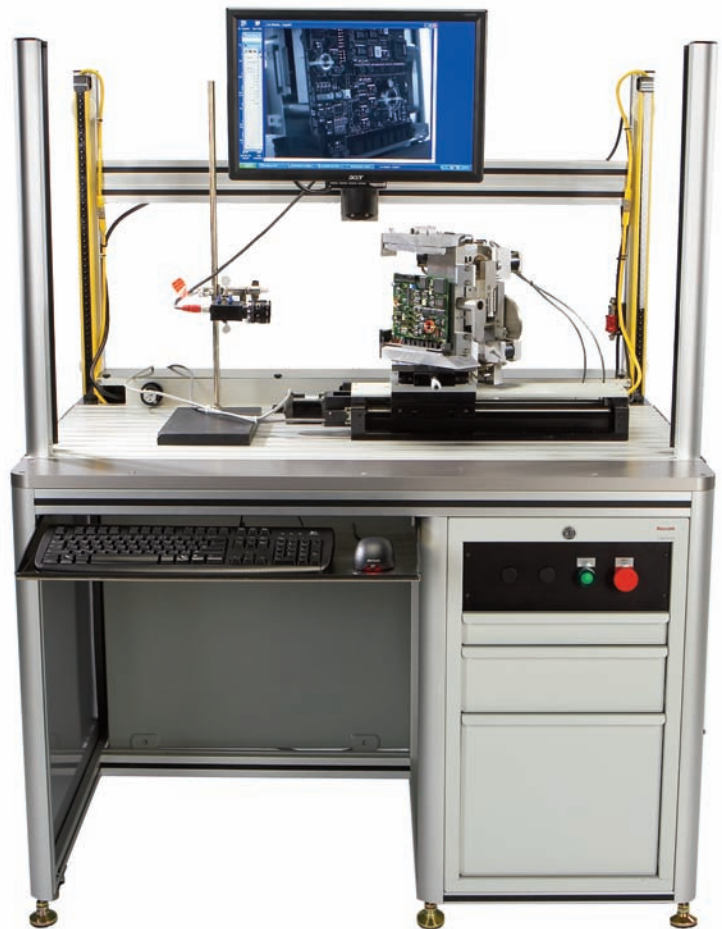
Step 3: Tell the on-board computer what components you added and teach it your program step by step. That's it—you're ready to run!

The user-friendly Windows interface **RunQuick®** teachable software will guide you step by step through the process of generating and running your own programs from simple to very complex.

And best of all, the **Smart•Base** is completely reusable and can be reconfigured quickly and easily to provide a rapid solution for your next project making it a smart long-term investment!

“By using the Smart-Base, I saved weeks of development time and was able to move into building a finished machine with a high level of confidence in the underlying process. Best of all, the Smart-Base is ready to develop my next project!”

— Wes LaFortune
President
WesTec Engineering, Inc.



**For more information call 1-952-404-2604
or visit www.rothgreaves.com.**

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SPECIFICATIONS

Basic Configuration:

Construction:

Sturdy (32"h x 42"w x 32"d*) aluminum cabinet and frame features:

- quick mounting T-slot table top
- built-in quick-connect panel for easy connections to motors, pneumatics and electrical devices
- 17" flat panel monitor, keyboard

On-board Computer:

Board-based computer operating Windows XP Pro platform is safely mounted in cabinet.

Software:

Easy-to-use RunQuick® Windows based software allows the non-programmer to set up and operate any of the compatible devices that are connected to the Smart-Base.

- digital controls:** Allows operation of digital inputs and outputs, pneumatic solenoids and relay type devices.
- analog controls:** Allow set-up and control of analog devices
- motion controls:** Allow set-up and configuration of stepper and servo motors.
- vision control:** Frame grabber camera board can be integrated in the control computer to operate camera inspections or vision feedback.
- robotics:** Small pick and place SCARA or small six axis robots are suitable for mounting on the Smart-Base.
- security:** Software security features can protect applications running in operator only mode for factory deployments.

Available Options:

Monitor Options:

- touch screen or standard monitor

Safety Features:

- guarded table top; plexiglass or metal panel
- light curtain or doors for operator safety

Data Handling and Storage:

- custom applications can be developed for data management

Basic **Smart•Base** configuration



Compatible components include:



actuators



sensors



cameras



pneumatic cylinders & grippers



motors & encoders



robotics

*custom table sizes and configurations available

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