

Introducing the RSI Cobra

The RSI Cobra cell was designed for people that need a milling system that can be quickly moved from one area to another for various reasons. Our standard unit offers a large work envelope but is small enough to roll through a set of double doors.

The systems integrated rotary table includes a removable work holding platter that simplifies setup. The platter is quickly removed, allowing you to bolt the material from the bottom of the platter and quickly remount it to the rotary table top. This eliminates the issue of clamps and other work holding tooling from getting in the way.

The enclosure was designed with easy access to the work area for material loading, part unloading, and tool changing. Operator safety is always a priority with our systems.

The system includes a laser tool length setter, making setup and changeover much easier and simplifying tool changeover. The PC based touch screen controller is also designed with operator ease of use in mind. Basic instruction sets, step-by-step instruction guides, and on screen help make it a very easy system to setup and run.

The RSI Cobra includes an interlocked door that will only open when the robot is in the "Parked" position and the spindle is not turning. The robot will also not start up if the door is not closed and/or the enclosure is not expanded (collapsible unit only).

Robotic Solutions Inc offers an option for dust collection on the RSI Cobra cell. The option includes preinstalled "down draft" style plumbing that can connect to any Shop Vac or portable industrial vacuum system.

The counterpart to the Cobra offers a collapsible upper enclosure, making it possible to roll through a standard (32" X 83") doorway.

Both systems have simplistic electrical requirements that make it possible to unplug, unlock the wheels, collapse the extended enclosure section, roll it through the doorway, plug it in, lock the wheels, power the system up, and start milling. On the smaller system you just collapse the enclosure first and then expand the enclosure after the system is through the doorway.

Computer Specifications:

Industrial Fanless Solid State PC | Core 2 Duo Processor | Windows XP Pro Operating System
Industrial 15" Touch Screen Control | 60GB Solid State Hard Drive | 2GB RAM



System Size: Standard System:

48" X 63" X 82"

Collapsible System:

30" X 60" X 82" w/ enclosure closed

43" X 60" X 82" w/ enclosure open

36"

Operator Load Height:

Maximum Material Size: Standard System:

36" diameter or 25.5" square X 40" tall

Collapsible System:

30" diameter or 21" square X 40" tall

Electrical Requirements: 20 amp, 110V ac single phase w/ type G outlet

Cutting Spindle: 1.5 hp, 18,000 rpm, air cooled

Max Cutting Feed Rate: 1000 ipm

Collet Size: ER 20

Max Tool Diameter: .5" or .625" with .5" shank

Max Tool Length: 6" (from collet face)

Max Weight on Rotary Table: 80 lbs.

Program Communications: Ethernet & USB

