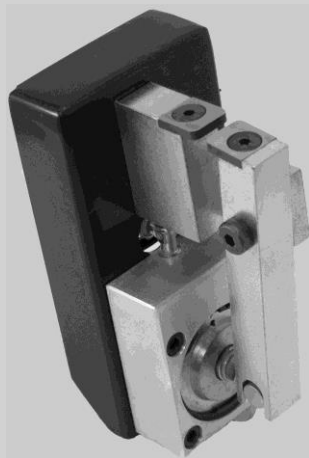


# ROBOTIC NOZZLE CLEANING STATIONS



## ROBOTIC RCS-1000



Optional WC-1000 Wire Cutter



The RCS-1000 Robotic Nozzle Cleaning Station offers a complete solution for precise and effective spatter removal and nozzle cleaning in robotic applications. Integrated features allow the easy use with any make and models of robotic equipment.

The robust design of the RCS-1000 provides the following features:

- **Quick and Easy Installation** – Quick disconnect fittings and electrical connections provide easy installation.
- **Electronic Cycle Control** – Electronic Cycle Control gives you precise timing and programming of the reaming/spray cycle. In addition, adjustable flow control valves are provided for speed control of the up/down ream cycle.
- **Adjustable Anti-Spatter Spray** – An electronically controlled venturi spray system provides application of anti-spatter. A flow control valve provides for more exact control of anti-spatter application.
- **Adjustable 3-Point Clamping System** - The precision 3-point systems allows for exact align of the nozzle to the cutter blade every time. The adjustable v-Block accommodates any diameter nozzle. No need to change out expensive V-Blocks.
- **Easy Maintenance** – Quick access at rear of the unit for fast repair or maintenance. We use quick disconnect air fittings for easy removal of pneumatic parts. Functional test buttons for spray and reamer operation allow fast testing of components. Most individual parts are “off the shelf” meaning you can purchase from local part supply houses.
- **Dual Cutting Blade** - manufactured from tool steel and hardened to guarantee long life. The dual cutting blade design provides additional cleaning action and increased durably even in high weld spatter environments.
- **Optional Wire Cutter** - The WC-1000 pneumatic wire cutter is designed to remove the ball end of the welding wire for consistent wire stick-out and provide smoother arc starting. The WC-1000 can be easily mounted in a remote location or directly on the RCS-1000 Nozzle Cleaning Station. The WC-1000 can be used with all makes and models of robotic equipment.

**Reduce Cycle Time - Clamp, Ream and  
Spray In One Location**

## Specifications - RCS-1000

Air Requirements – 80-120 psi @8 scfm/Min (Clean Shop Air)---Cutter Speed – 750 – 800 RPM

Dimensions – 6.50”(165.1mm) x 6.0”(152.4mm) x 12.0”(304.8mm)---Weight – 27 lbs.(12.24Kg), 31lbs.(14.061Kg) w/ WC-1000

## How to Order – (Specify Reamer Blade When Ordering)

RCS-1000      Robotic Nozzle Cleaning Station  
 WC-1000      Wire Cutter  
 RS-050        32” Reamer Stand for the RCS-1000 Reamer Stroke – 2.00”(50.8mm)

PART #	NOZZLE BORE SIZE	OD	ID	L1	L2	THREAD TYPE
RB500	1/2” (13mm)	.490” (12.5mm)	.374” (9.5mm)	2.56” (44.7mm)	1.76” (44.7mm)	Female – 3/8-24
RB560	9/16” (15mm)	.555” (14mm)	.435” (11mm)	2.56” (65mm)	1.76” (44.7mm)	Female – 3/8-24
RB625	5/8” (16mm)	.610” (15.5mm)	.511” (13mm)	2.69” (68mm)	2.14” (54mm)	Female – 3/8-24
RB625-01	5/8” (16mm)	.610” (15.5mm)	.453” (11.5mm)	2.56” (65mm)	1.76” (44.7mm)	Female – 3/8-24
RB625-02	5/8” (16mm)	.610” (15.5mm)	.511” (13mm)	2.95” (75mm)	2.10” (54mm)	Female – 3/8-24
RB625-03	5/8” (16mm)	.590” (15mm)	.433” (11mm)	2.56” (65mm)	1.76” (44.7mm)	Female – 3/8-24

