



SWAM[®] Dual Spindle Rotary Abrading System

The **SWAM[®] Dual Spindle Rotary Abrading System** is designed for maximum throughput. When consistency and production is demanded, this Abrading System is ideal for texturing or de-burring a variety of components including **dental implants** and **surgical bone screws**. The rotary table allows the operator to load/unload a part while a part is being sandblasted. When long parts require complete coverage, a liner motion option can support one or more nozzles. Chucks can be designed to mask areas, such as the base of **dental implants**, that must not be sandblasted.

System features:

- **SWAM-Blaster[®]** Model LV-1 or XV-1 Micro Sandblaster for precise air pressure control and density of abrasive particles in the air stream
- Holds up to 20 pounds of abrasive
- Two spindle Rotary Table with interchangeable rotating chucks or collets
- Abrading time, chuck rotational speed, nozzle speed and nozzle alignment are all adjustable
- Spent abrasive contained by barrier separating load/unload chuck from the sandblasting process
- Dust proof enclosure for controls and moving components
- Process control for consistent finishes from one part to the next
- Custom built from standard components for your application



**Job Shop Services
Available**

CRYSTAL MARK, INC.

A SWAN TECHNOLOGIES CORPORATION

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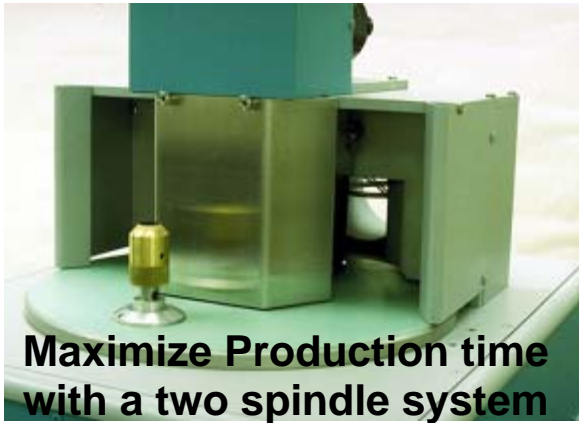
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Optional TV video inspection station with camera focusing mount, light and video display

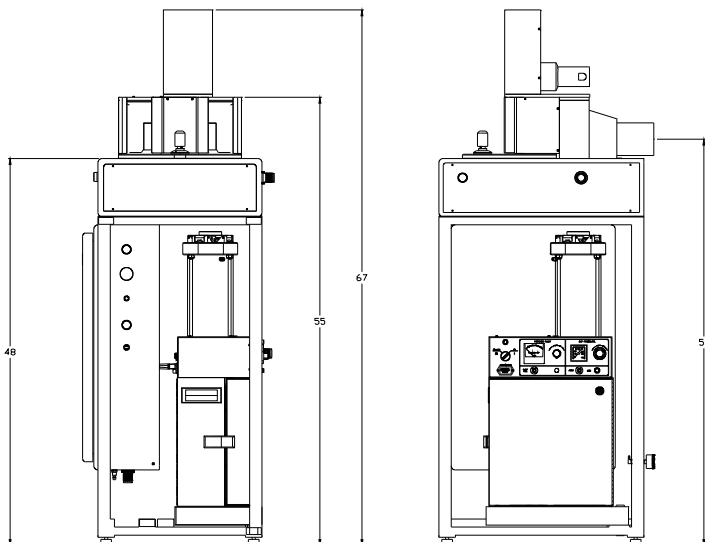
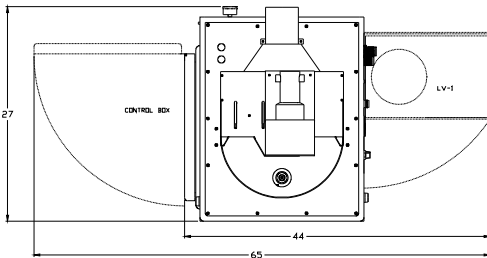


The **Model LV-1 and XV-1 Micro Abrasive Blasters** are designed for production lines and in the SWAM[®] Automated Systems. These Models feature a hour meter for SPC monitoring and tungsten carbide fittings for long service life. They also hold approximately 20 pounds of aluminum oxide and have a separate mixing powder tank for a consistent powder feed rate from a full tank to empty.

Process begins with one component being manually loaded in the chuck or collet. The rotary table then transports the component into the abrading area where the reciprocating or stationary nozzles uniformly abrade the rotating component. During this cycle, a sandblasted component is removed from the chuck and another can be put on to maximize the work done on the system.



Maximize Production time with a two spindle system



CRYSTAL MARK INC. ROTARY DEBURRING STATION FOOT PRINT
NOTE: MACHINE IS TO BE ANCHORED TO FLOOR WITH BOLTS

Specifications

Power Requirement	115 VAC, 60 Hz, 5 amp
	230 VAC, 50 Hz, 2.5 amp
Air Requirement	40 psi (276 kPa) minimum
	140 psi (956 kPa) maximum
	10 sfcM maximum
Dust Collection Requirement	800 SCFM at 5.5 in W.G. velocity 4500 FPM.
Weight	290 pounds (132 kg)
Foot Print (with Nozzle Motion)	30" W x 30" D x 67" H
Shipping Weight:	Approximate 550 lbs. (250 kg)
Shipping Size:	36" W x 36" D x 78" H

CRYSTAL MARK, INC.

Micro Sandblasting solutions

For over 40 years

How can we help you?

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