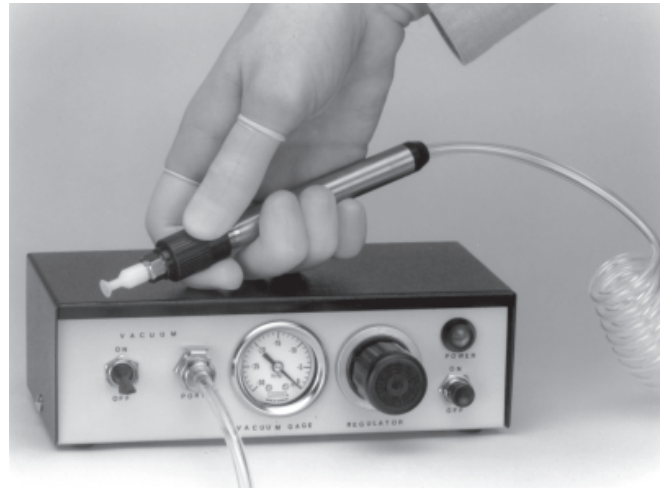


# ROTOwand™

## Small Optics Handling & Preparation System

Easy handling of small optical parts increases productivity



### Applications:

- Handling miniature lenses
- Cleaning for inspection and coating
- Painting and beveling edges
- Assembling multi-element lenses
- Loading/unloading racks and assemblies
- Picking up delicate optical components

The ROTOwand™ is perfect for handling small and delicate optics in assembly, coating or quality assurance. A manually rotating wand easily tilts and rotates an optic to allow for cleaning, painting and accurate placement without exposing sensitive optical surfaces to fingerprints or chipping. A right angle wand is available for easier handling of optics under a microscope.

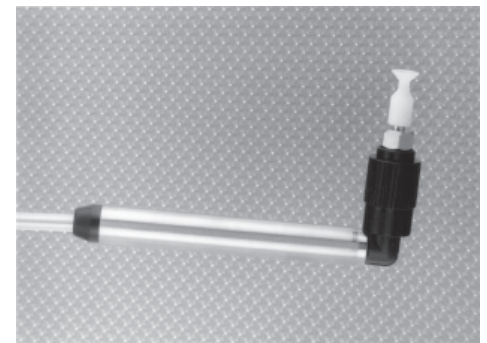
The unit includes a powerful adjustable internal vacuum pump that uses factory air or nitrogen. An internal electrical vacuum pump is available as an option for applications where air or nitrogen is not readily available.

The ROTOwand reduces cleaning and handling time considerably while eliminating hand soreness caused by using tweezers or other less suited tools. The unit accepts standard vacuum cups ranging from 1mm to 10mm

### Here's how it works.

Simply connect the air input (or the 12 volt supply for the electrical version), operate the vacuum switch and go to work. An optional foot pedal can switch the vacuum to keep your other hand free for other

tasks. Use your thumb and forefinger to rotate the optic for cleaning, preparation or inspection or for alignment into an assembly.



*The right angle wand is a very handy and powerful tool for handling optics under the microscope for inspection or cleaning. It is convenient for tilting and rotating the lens, while securing it by vacuum.*

### FEATURE

Easy-to-use  
Optional 12V electronic version  
Manual rotating hand-held vacuum wand  
Optional right-angle wand  
Solid Delrin™ vacuum chucks  
Maintenance-free  
Static resistant  
No oil mist or heat  
Whisper quiet  
Wide variety of accessories

### BENEFIT

Training/cross-training is simplified  
Portability  
Convenient rotating spindle for fast cleaning, inspection and preparation  
Facilitates microscope inspection  
Residue-free contact with optical surfaces  
Maximum uptime and reduced costs  
Handle sensitive electrical parts  
Useable in a cleanroom  
Maintains good working environment  
Optimize your process

### Ordering information:

#### MRW-500

Includes: ROTOWand™ table-top unit for compressed air input, air hook-up hose, one straight rotating vacuum wand with Luer vacuum cup connector and coil-hose and fittings, four vacuum cups (4mm, 6mm, 8mm, 10mm).

#### MRW-500e

Includes: ROTOWand™ table-top unit for electrical input, 12V transformer, one straight rotating vacuum wand with Luer vacuum cup connector and coil-hose and fittings, four vacuum cups (4mm, 6mm, 8mm, 10mm).

### Specifications:

Height x Width x Depth:	2.5 inches (6.4cm) x 8.0 inches (20.3cm) x 3.5 inches (9.0cm)
Weight:	4 pounds (1.8kg)
Air consumption:	1.12cfm @ 87psi
Maximum Vacuum:	26.5 inches Hg @ 87psi - air input 19.0 inches Hg - electrical version
Requirements:	electrical: 110/220V, 60/50Hz (12V transformer included) compressed air version: 80-100psi

### Accessories:

#### Delrin™ Vacuum Cups

Size	Connector	Part Number
1mm	Luer	020291
2mm	Luer	020292
4mm	Luer	020149
6mm	Luer	020150
8mm	Luer	020151
10mm	Luer	020152
20mm	1/2-20 thread	021046
30mm	1/2-20 thread	021044
40mm	1/2-20 thread	021042
50mm	1/2-20 thread	021041
60mm	1/2-20 thread	021040
70mm	1/2-20 thread	021039

#### Pincettes, Wands and Adapters

Description	Part Number
Pincette with 10' coil hose and fittings	021050
3" pincette extension tube	020088
Manual rotating wand with Luer connector	021143
90° manual rotating wand with Luer connector	020144
Small cup pincette adapter	020142
Large cup adapter for wands (see note 1)	020145

#### Accessory notes:

- 1) 20-70mm vacuum cups require vacuum cup adapter part number 020145.
- 2) Aluminum vacuum cups with O-ring are available, contact the factory.
- 3) Non-standard vacuum cups are available, contact the factory



BUILT WITH PRIDE, BACKED WITH SERVICE™

#### Data Optics, Inc.

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