

Manual Wafer Mounter P-200 & P-300

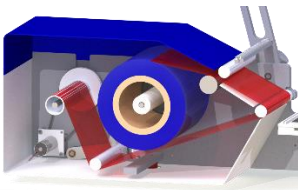


The POWATEC **P-200** and **P-300** are the ideal solutions for the air-void-free mounting of commercially available tapes onto wafers and frames. Our customers have relied on these devices for over 20 years to provide high quality results, a great degree of flexibility, and minimal maintenance requirements which is what makes them international industry standards in clean room applications.

Key Product Features

- ✓ Table-top device
- ✓ Applicable for clean room applications
- ✓ Minimal maintenance (< \$100/year)
- ✓ Very short setup times and interchangeable parts make this device especially appealing to high-mix environments
- ✓ Lifetime of over 10 years
- ✓ No instruction needed
- ✓ Output of over 120 mounts/hour
- ✓ Can process Si, SiC, Ge, GaAs, glass, FF4, ceramics, and more

Additional Options



Protection Tape Winder

The protection tape winder is necessary if UV tape is used or if the tape has a protective film. With the PTW option, the protection tape is automatically collected when pulling the tape over the mounting area.



Ionizing Air Bar

Electrostatic charges can be caused by unwinding tape and for applications where these charges must be limited, Powatec offers the Ionizing Air Bar. The bar is installed in proximity to the tape peel-off point where the greatest electrostatic discharge occurs.



Insert Ring for 6" or 8" Frame

An insert ring is needed to mount wafers on a frame which is smaller than the standard configuration. For the P-200, the standard frame size is 8". An insert ring is needed to mount 6" frames. For the P-300, the standard frame size is 300mm. An insert ring is needed to mount 8" frames.



Various Chuck Options

Our standard vacuum chucks come in 2", 4", 6", 8", and 300mm sizes. We also offer Non-Contact, Heated, and Ceramic Surface chucks in certain sizes as standard. Custom chucks can also be ordered on request for any shapes and configurations.

Technical Specification

	P-200	P-300
Wafer size	2" to 8"	6" to 300mm
Wafer thickness	50µm to 4.5mm	50µm to 4.5mm
Frame size	6" (DT 2-6-1) 8" (DTF2-8-1)	8" (DTF2-8-1) 300mm (DTF 2-12, DTF 2-12-1)
Film/Tape Width	150 to 300 mm	200 to 400 mm
Width	460 mm (18.11")	590 mm (23.22")
Depth	680 mm (26.77")	880 mm (34.64")
<i>With PTW Option</i>	<i>875 mm (34.44")</i>	<i>1000 mm (39.37")</i>
Height	230 mm (9.05")	250 mm (9.84")
Weight	19 kg (41.88 lbs)	25 kg (55.11 lbs)
<i>With PTW Option</i>	<i>25 kg (55.11 lbs)</i>	<i>33 kg (72.75 lbs)</i>
Vacuum requirement	-70 kPa	-70 kPa
Vacuum connection	Outer Diameter = Ø 6 mm	Outer Diameter = Ø 6 mm
Power input		
<i>For PTW Option</i>	<i>85 – 240 VAC</i>	<i>85 – 240 VAC</i>
<i>For ESD Bar Option</i>	<i>115/230 VAC</i>	<i>115/230 VAC</i>
Clean Room Application	Up to ISO 4-5	Up to ISO 4-5
A-weighted emission sound pressure level	does not exceed 70 db(A)	does not exceed 70 db(A)
Peak c-weighted instantaneous sound pressure value at workstations	does not exceed 63 Pa	does not exceed 63 Pa
Conformity	CE Certified	CE Certified

(**Bold** = standard configuration)

Related Products from POWATEC



Manual Wafer Laminator L-300

Laminating of up to 300mm Wafers with protective and BG film



Vacuum Wafer Mounter V-300

Mounting of up to 300mm Wafer onto 300mm Film Frame



UV LED Wafer Exposure System U-300

UV Curing via LEDs for wafers mounted on frames up to 300mm



Manual Wafer Expansion ETM-300

Wafer expander up to 300mm wafer, frame, and grip ring