

## Manual wands

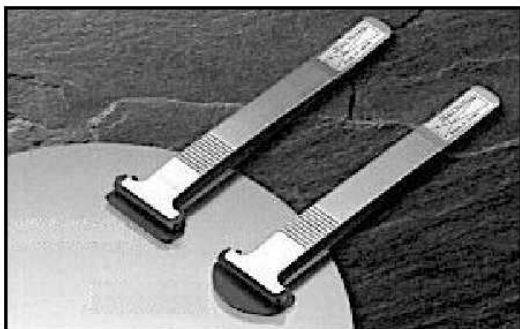
These manual wands, or tweezers, allow manual handling of a wafer without excessive contact. Fragile wafers are gently but securely gripped by an optically polished contact surface. This ensures that particle counts are greatly reduced and there is no risk of scratching. PEEK, ESD PEEK and PPS materials are available to suit the application, with a temperature limit of 130°C, while the M700 Vespel tipped stainless steel wands can withstand temperatures up to 288°C. Lockable versions are available for increased security of handling.

### Features

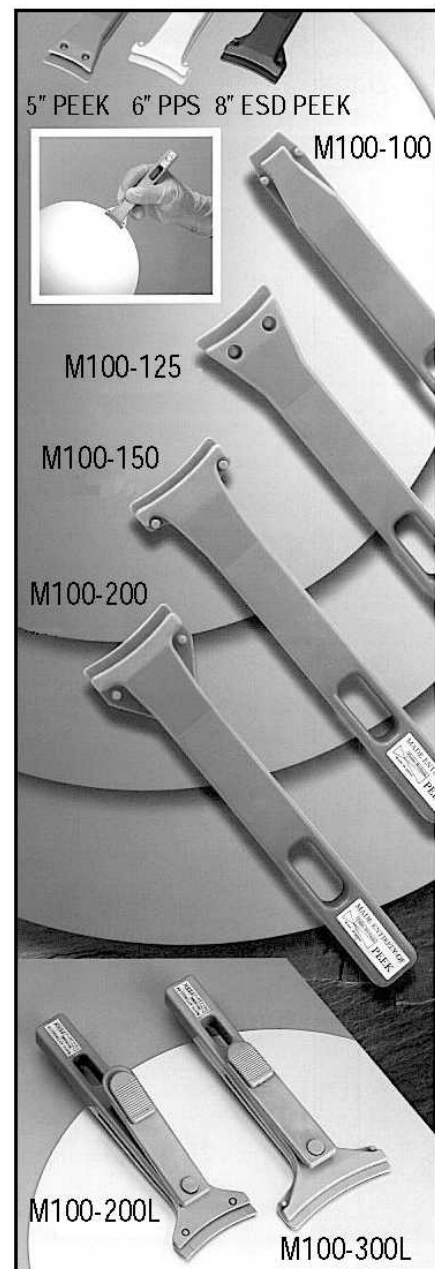
- The unique design (patent pending) ensures that a delicate and fragile wafer is handled softly but firmly without excessive contact.
- The surfaces of a wafer are never scratched, in contrast to conventional metal tweezers.
- The area that contacts wafer surfaces is optically polished to reduce surface particle counts.

### High temperature version

- Vespel tip withstands temperatures up to 288°C continuously.
- No contact with metal parts.

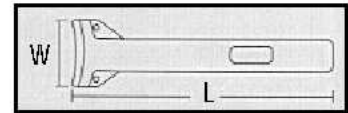


Lockable type offers increased security of handling for larger wafer sizes.



## L series

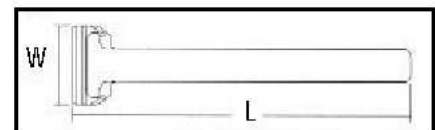
Model	Material	Wafer					Size (mm)		Weight (g)
		4*	5*	6*	8*	12*	L	W	
M100-100	PEEK	X					145	17	30
M100-125			X				147	32	31
M100-150				X			148	37	32
M100-200					X		148	37	32
M100-200L					X		180	55	70
M100-300L						X	180	75	76
M110-100	PPS	X					145	17	31
M110-125			X				147	32	32
M110-150				X			148	37	33
M110-200					X		148	37	34
M110-300						X	180	75	62
E100-100	ESD PEEK	X					145	17	32
E100-125			X				147	32	34
E100-150				X			148	37	35
E100-200					X		148	37	35
E100-300						X	180	75	64



L, lockable lever  
X, available

## H series for high-temperature applications

- Withstands up to 288°C continuously.
- Vespel® is firmly glued to SUS (stainless steel).



Model	Material	Wafer		Size (mm)		Weight (g)
		6*	8*	L	W	
M700-150N	Vespel + SUS	X		154	35	46
M700-150S		X		159	35	46
M700-200N			X	154	35	46
M700-200S			X	159	35	46

