

STANDARD MOUNTING ADAPTERS

TMA SERIES

FEATURES

- Rapid installation - 2 screws
- Universal mount - 6 configurations
- Quick change - vacuum & pressure types
- Utility interface - pneumatic, electric & optical
- Secure holding - no slippage or leakage
- Rigid design - no flexing
- No end-effector damage
- Stackable to 25 units
- Inexpensive - reusable and refurbishable

A high-tech pneumatic end-effector such as the Talon, demands a high-tech mounting adapter. The TMA series of end-effector mounting adapters provide both rigid mounting and utilities interfacing for the Talon end-effectors as a standard product from stock.

The TMA adapters provide pneumatic coupling for 60 psi driving gases; electrical connections for wafer seating sense switches as well as ESD dissipation; and fiber optic coupling for photonic wafer presence and location sensing.

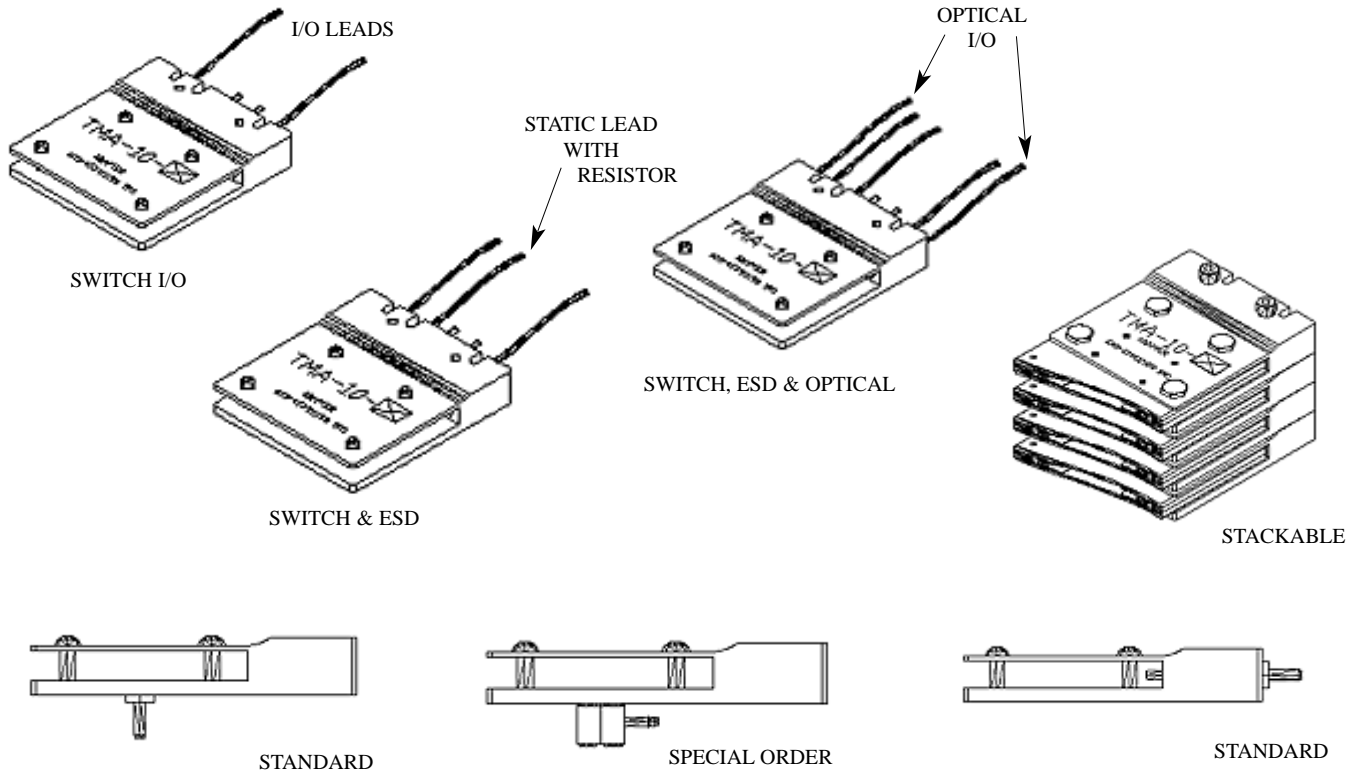
The TMA adapters are designed to securely hold end-effectors without fear of damage, and to assure the user that the interface to the robot's controller is easily and reliably made. These adapters may be stacked for multiple wafer transport.

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"Giving Robotics A Hand"

TMA-10 AND -11 TALON END-EFFECTOR MOUNTING ADAPTERS



TMA-10 (Bottom Port)

TMA-11 (Edge Port)

<u>PART NO.</u>	<u>BOTTOM PORT</u>	<u>EDGE PORT</u>	<u>SWITCH I/O</u>	<u>STATIC WICK</u>	<u>OPTICAL I/O</u>	<u>PARTICLE VACUUM</u>
TMA-10-1	✓		✓			
TMA-10-2	✓		✓	✓		
TMA-10-3	✓		✓		✓	
TMA-10-4	✓		✓			✓
TMA-10-5	✓		✓	✓	✓	
TMA-10-6	✓		✓	✓		✓
TMA-10-7	✓		✓		✓	✓
TMA-10-8	✓		✓	✓	✓	✓
TMA-11-1		✓	✓			
TMA-11-2		✓	✓	✓		
TMA-11-3		✓	✓		✓	
TMA-11-4		✓	✓			✓
TMA-11-5		✓	✓	✓	✓	
TMA-11-6		✓	✓	✓		✓
TMA-11-7		✓	✓		✓	✓
TMA-11-8		✓	✓	✓	✓	✓