

MP200

Counterweight-Balanced Universal Manipulator



Flexibility & Convertibility

- Conversion kits for scaling up to MP300 in handling test head up to 320kg
- Selectable variety of arms: Single-Point-Fitted Tilt Arm, Dual-Point-Fitted Fork Arm
- Convertible up/down axis motion from manual to motorized system (option feature)
- High modularity arm configuration for different test heads

High Performance

- Wide range of vertical linear movement up to 780mm suitable for probes and various test handler configurations.
- Up to 300° swing rotational movement
- 5 degree-of-freedom for maximized ease of operation

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Specifications

Physical Load

Max. Test Head Weight	: 200kg
Unladen Weight	: 960kg
Laden Weight	: 1360kg

Physical Dimension

Height	: 1940mm ¹
Width	: 1525mm ²
Depth	: 1210mm ³

¹Include footing ^{2&3}Footing excludes arm

Test Head Interface

Customisable tumble 4 to 8 points mounting
Theta fine adjustment (optional)

User Interface

Manual drive arm handle
Fine precision cradle
Push button console (motorized option)

Performance Characteristics

Linear vertical Up/Down movement	: 780mm ¹
Linear horizontal In/Out movement	: 280mm ²
Linear side-to-side movement	: 800mm
Rotational twist movement	: 360°
Rotational tumble movement	: 360°
Rotational swing movement	: 300°

¹ Min. 500mm; Max. 1400mm ² Column-to-tumble depth 1330mm

Movement Characteristics

Up/Down movement	: Counterweight-balanced vertical belt-drive
In/Out movement	: 2-points rotational thrust bearing
Side-to-side movement	: 2-points rotational thrust bearing
Twist movement	: 1-point rotational thrust bearing
Tumble movement	: 2-points rotational thrust bearing

Adaptive Configuration

Configurable Arm Option

Single-Point-Fitted Tilt Arm
Dual-Point-Fitted Fork Arm

Active Cable Management

Single or dual cable hanger – variable size
Various load capacity balancer

Modular Accessories

Keyboard tray – customizable size
Monitor holder

Motorized Axis Motion

Vertical Up/Down Module - customizable speed
Monitor holder

