beyond gravity

MPT-G Multi-Purpose Trolley Giga

30 years of high performance, high reliable and high-end Mechanical Ground Support Equipment.

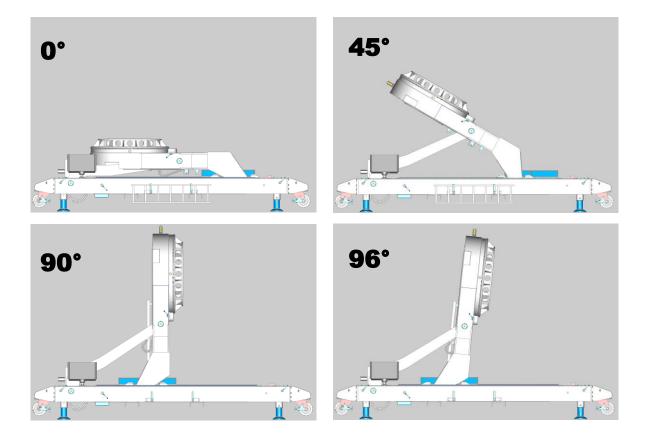
The Multi-Purpose Trolley (MPT) supports the spacecraft or dedicated modules during horizontal or vertical integration and enables tilting and rotating of the spacecraft.

Heritage

More than 80 Multi-Purpose Trolleys (MPT) have been delivered to institutional and commercial customers in Europe and USA.

Key features

Cleanliness	Class ISO 8 (ISO 14644-1)		
Control	via Main Control Panel and Remote Control		
Tilting Operation	electrically driven (nominal/creep speed) manual crank backup		
Tilting Range (continuously variable)	0° - 90° / 90° - 96°		
Tilting Speed	Nominal 6 min from 0° - 90°		
Slewing Operation	electrically driven (nominal/creep speed) manual crank backup		
Slewing Range (continuously variable)	0° - 360°		
Slewing Speed	Nominal 8 min for one full rotation		



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Physical Properties

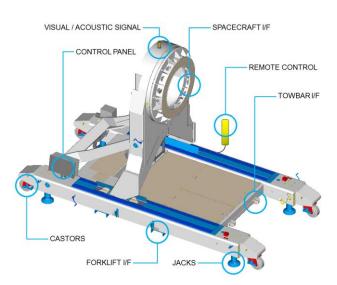
I/F plane horizontal (on	0055 0045 4544	
Castors)	6255 × 2945 × 1544 mm 20.5 × 9.7 × 5.1 ft	
I/F plane vertical (on Castors)	6255 × 2945 × 4260 mm 20.5 × 9.7 × 14.0 ft	
(I/F plane vertical)	3170 mm / 10.4 ft	
8730 kg / 19.250 lbs		
(under tarpaulin)	via truck, train, ship, airplane	
via Jacks, Castors, Towbar I/F, Forklift I/F, Facility Crane or Airpads (Option)		
	Castors) /F plane vertical on Castors) //F plane vertical) 3730 kg / 19.250 lbs	

Payload

MPT-G SWL Rated Tilt Moment Max. allowable out-of-balance moment about S/C rotation axis		5400 kg / 12.000 lbs 181.7 kNm / 134.000 ft*lbf 6.7 kNm / 5.000 ft*lbf	
S/C Dimensions	max. length max. cylindrical shape max. cylindrical shape max. rectangular shape	L = 8750 mm / 344,5 in Ø 4880 mm / 192 in (0° - 90°) Ø 4470 mm / 176 in (90° - 96°) 4470 x 1800 mm / 176 x 71 in	
I/F to MPT-G		customizable I/F plate or adapter	

Deliverable Documents

User and Maintenance Manual / Analysis Report / Test Report / Interface Control Drawing



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