The Talos Motion Control Rig

- Fits through standard doorways
- Extremely Rigid
- Lightweight
- Runs FLAIR

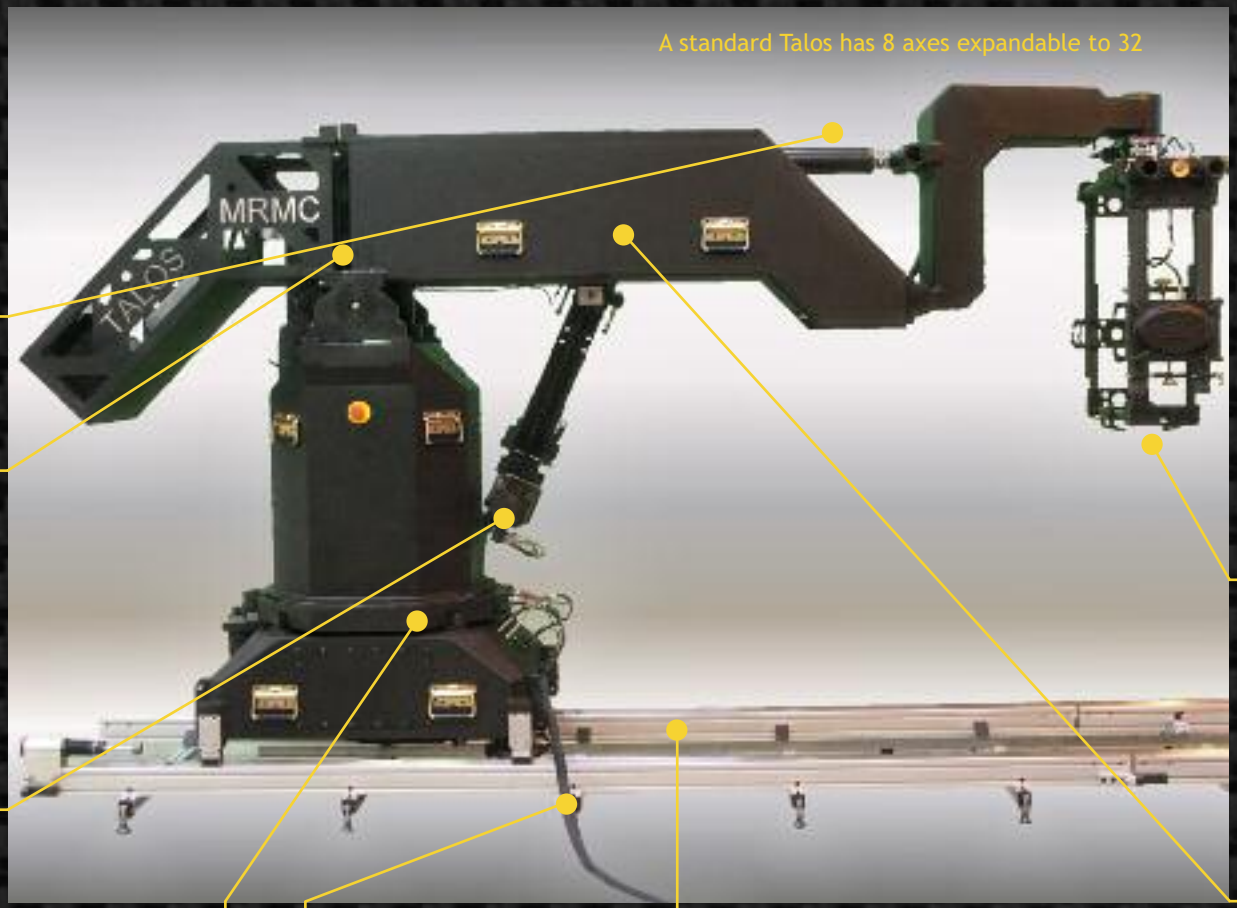
The Talos is one of the most compact, light-weight, portable live-action rigs designed for motion control.

This latest design by the Academy Award winning Milo design team incorporates all the unique concepts, knowledge and skills giving you the best performance possible in a compact motion control rig.

Carbon fibre parallelogram arm for superior strength and rigidity.

High speed brushless servo motors with optical encoders ensure high speed and repeatable precision.

The high strength precision ground Ballscrew gives the lift axis precision and velocity to exceed live action speeds.



A standard Talos has 8 axes expandable to 32

The Talos utilises the popular Ulti-Head which has the ability and additional benefit to be removed for use as a stand alone MOCO or Remote head.

The head is reversible in the vertical axis and can quickly be changed from under-slung to over-slung allowing maximum flexibility in the minimum and maximum achievable lens heights.

The fabrications are built using a highly specified type of lightweight aluminum. The construction has undergone Finite Element Analysis (FEA) to ensure complete rigidity. All mechanical parts are anti-corrosive and able to withstand variable climate conditions.

The Talos's ability to access a standard doorway (without the need for dismantling) which other rigs might find an obstacle has been carefully considered.

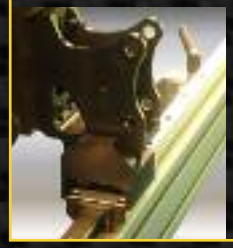
The Talos can be transported whole or in easy to dismantle sections that can be packed in flight-cases. When shipped in its main component parts it can be set-up by two people and ready for action in about 45-60 minutes.

Extensive safety features have been built into the rig and software.

Simple and light-weight power and data umbilical.

The Rotate and Pan use slip-rings for all the electrical ways to allow freedom of movement and unlimited rotation.

Precision linear re-circulating bearings used on the Track and Rotate axes allow smooth, fast and very precise motion.



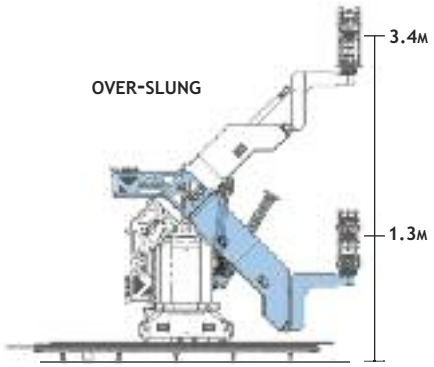
The Talos has an excellent range of movement for its compact size. Controlled by Flair motion control software with all the Award winning features that facilitate ease of use and flexibility.

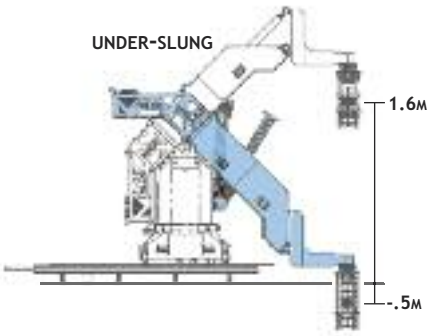
Mark Roberts Motion Control

www.mrmoco.com

MRMC has, since 1966, continually set new standards in the industry and are the world leader in the design and manufacture of motion control technology. Winner of an Academy Award for Technical & Engineering Achievement.

Talos Technical Specifications





PERFORMANCE

Axis Name	Range of Travel	Maximum Speeds
Track	as required	3m per second
Lift	+3.4m to -.5m	1m per second at camera
Rotate	unlimited	70^0 per second
Pan	unlimited	120^0 per second
Tilt	unlimited	120^0 per second

Lift Range of travel	2.1m of travel
Lift Drive Mechanism	Precision Ball Screw
Track Section	2' Precision Bearing dolly rail
Track Drive Mechanism	Rack & Pinion
Camera load	40kg
Power Requirements	Single phase 110-240VAC 50-60Hz
Rig width	706mm, fits through standard doorways

WEIGHT

Base	90kg / 198lbs
Turret	65kg / 143lbs
Arm	68kg / 150lbs
Counter-weight arm	41kg / 90lbs
Counter weights 10x13kg	130kg / 287lbs
Lift drive	30kg / 66lbs
Jacking floor wheels	68kg / 150lbs

FLAIR MOTION CONTROL SOFTWARE

All functions interface through industry standard Flair software offering the user a variety of filming techniques, including but not limited to:

- Repeat Moves
- Variable Camera Speed Moves
- Moving Step Animation
- CGI Import
- Scaled Moves
- Timecode Triggered Moves
- Video/HD Synchronised Moves
- Variable Speed Moves
- Stop Frame Animation
- Target Tracking
- CGI Export
- Rotated Moves
- Event Triggered Moves
- Timelapse

KEY FEATURES AND OPTIONAL EQUIPMENT

- Runs on High Precision Bearing dolly rail.
- Back drive-ability - to be able to push the rig and have it playback the motions.
- Unlimited upgrades available for improved performance and functionality.
- Fits through standard doorways.
- 3rd Axis (Roll).
- Range of model mover systems - to control auxiliary motors on props and lighting.
- MC Tools - translation software for CGI software packages and motion.
- Remote Hand wheels or Panbars - for recording the movement of individual axes.
- Head can be used as a remote head.
- Realtime camera XYZ positional data.

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