

# BOLT JUNIOR

CRANES & RIGS

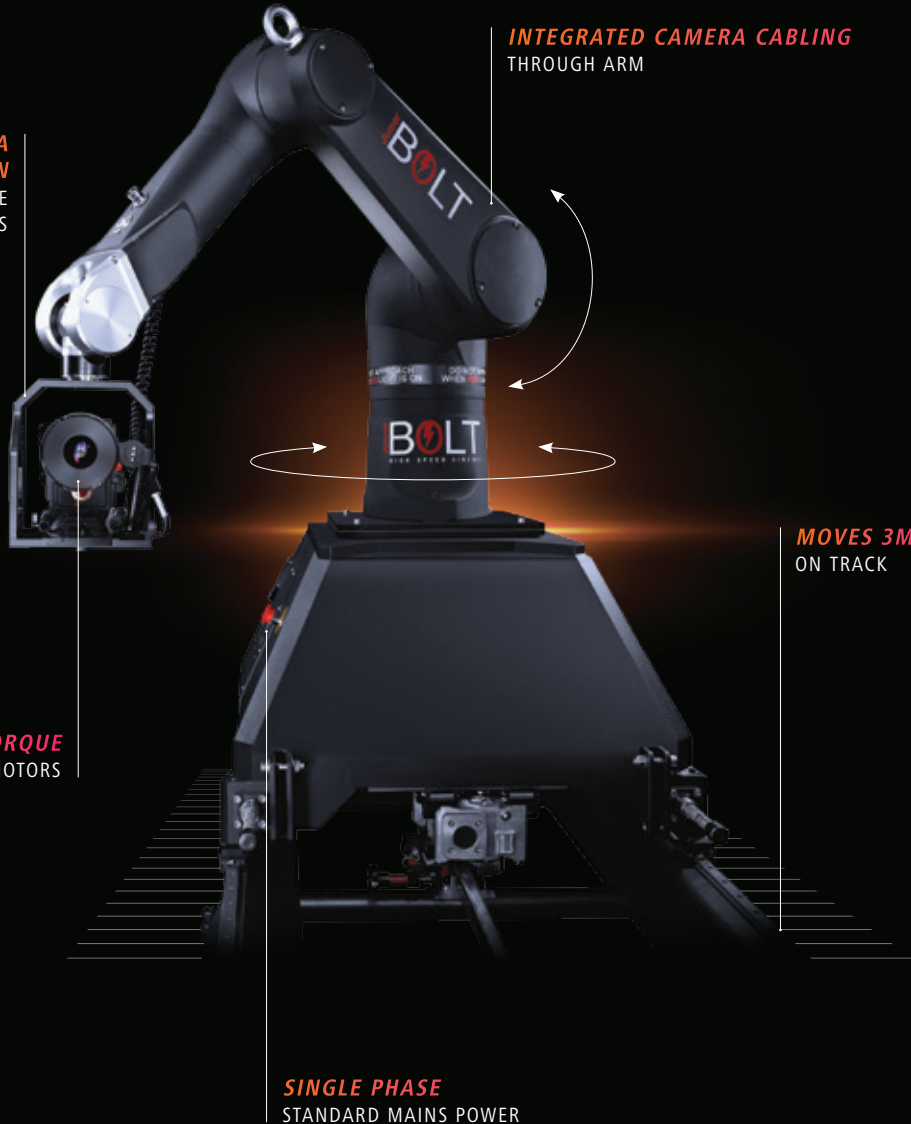
COMPACT HIGH SPEED MOTION CONTROL ARM



PAYLOAD  
CAPACITY (KG)



MAXIMUM  
LENS HEIGHT (M)



**CAMERA  
SYNCHRONISATION**  
FOR FRAME ACCURATE  
REPEAT PASSES

**POWERFUL, HIGH TORQUE**  
LENS MOTORS

**INTEGRATED CAMERA CABLING**  
THROUGH ARM

**MOVES 3M/S**  
ON TRACK

**SINGLE PHASE**  
STANDARD MAINS POWER

The Bolt Jr. is a compact, lightweight high-speed camera robot – an agile, smaller option than the full scale MPMC Bolt. The Bolt Jr. is an ideal solution where space, weight, mobility and budget are key.



A Nikon Company



MARK ROBERTS MOTION CONTROL

# BOLT JUNIOR SPECIFICATIONS



## TURNTABLES

Synchronised motion with external triggers and model movers for extreme precision timing.



## PORTABLE

Portable, lightweight robotic unit, designed to be set-up and ready for shooting in under an hour.



## TIMECODE | LIGHTING

Trigger from timecode. Control DMX Lighting.



## TIMELAPSE

Create incredible timelapse with dynamic movement and feel.



## REPEATABLE

Every camera move under complete control – precisely repeatable.



## TARGET TRACKING

Define location of your object in space, to simplify any complex move.



## LENS CONTROL

High speed, precise control of zoom, iris & lens. Fastest & most powerful motors in the world.



## MAYA

Take moves planned in Maya and feed them into the Bolt – or interface to augmented or virtual reality in real-time.

## OPERATING ENVELOPE

<b>Maximum Height (from ground)</b>	2.5m / 8'2"
<b>Lowest Position</b>	0m / 0'
<b>Maximum reach (from rotate centre)</b>	1.2m / 3'9"

## RIG PERFORMANCE

<b>Track</b>	Unlimited range of travel @ 3m/s
<b>Rotate</b>	+/- 180° range of travel @ 400°/s
<b>Lift</b>	+/- 147.5° – 130° range of travel @ 390°/s
<b>Arm</b>	+/- 145° range of travel @ 400°/s
<b>Pan</b>	+/- 270° range of travel @ 540°/s
<b>Tilt</b>	+/- 140° / -115° range of travel @ 475°/s
<b>Roll</b>	+/- 270° range of travel @ 760°/s

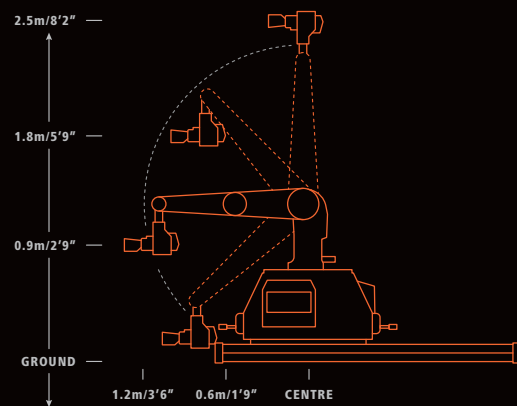
## RIG WEIGHTS

<b>Bolt Jr + Base</b>	114 + 180 (294kg) / 648lbs
<b>Maximum camera payload</b>	10kg / 22lbs

Note: counter weights may be required depending on the shot and length of track

## POWER CONNECTION

<b>Power requirements</b>	3x 200-400 volts, 16 amps
<b>Generator</b>	2k VA (Bolt Jr) 10k VA (Bolt Jr on track)



MARK ROBERTS MOTION CONTROL  
 TELEPHONE: +44 (0)1342 838000  
 EMAIL: [info@mrmoco.com](mailto:info@mrmoco.com)  
[www.mrmoco.com/boltjr](http://www.mrmoco.com/boltjr)

