

# BOLT JUNIOR

CRANES & RIGS

COMPACT HIGH SPEED MOTION CONTROL ARM



PAYLOAD  
CAPACITY (KG)



MAXIMUM  
LENS HEIGHT (M)

CAMERA  
SYNCHRONISATION  
FOR FRAME ACCURATE  
REPEAT PASSES



INTEGRATED CAMERA CABLING  
THROUGH ARM

POWERFUL, HIGH TORQUE  
LENS MOTORS

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 MRMC 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

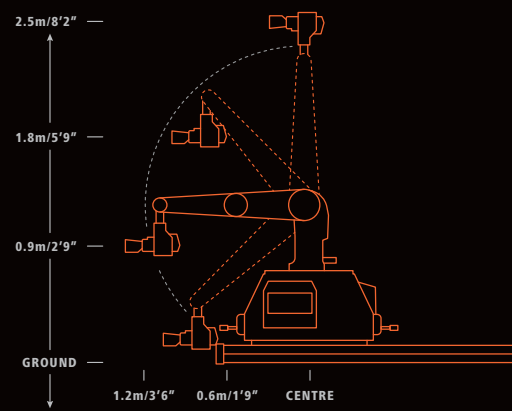
## RIG WEIGHTS

<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  
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