

BOB

High Speed Motion Control Cinebot



It gives the ultimate in image sequence dynamics.

From high speed to stop-frame.

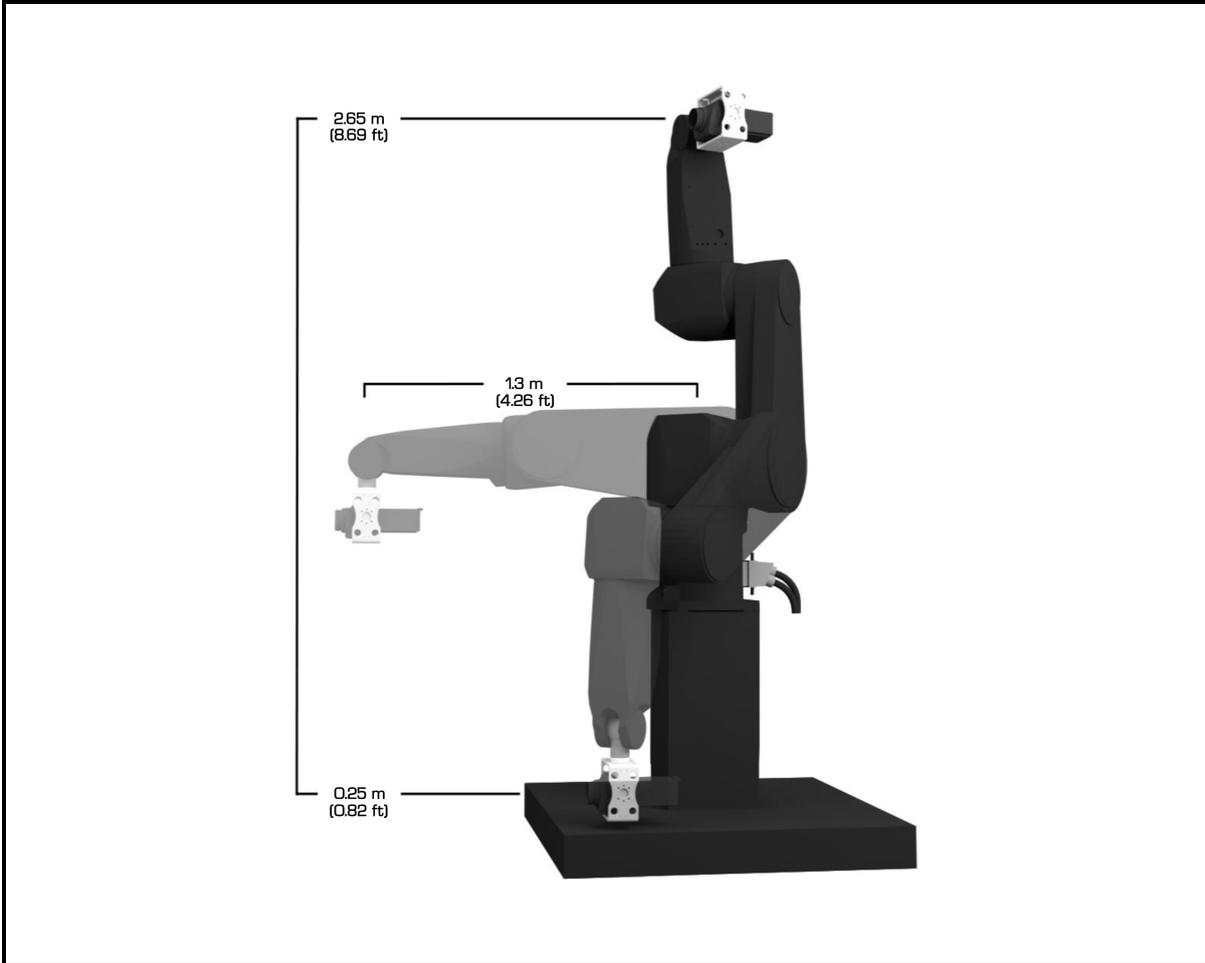
No more static sequences.

Accurate multiple passes.

Unique packshots are now attainable in the most diverse way.

OPERATING ENVELOPE

Maximum height	2.65 m (8.69 ft)
Lowest position	0.25 m (0.82 ft)
Arm extension (from center of the robot to cage)	1.3 m (4.26 ft)



RIG DIMENSIONS

Height (without weight platform and weight riser)	1.91 m (6.26 ft)
Base (weight platform dimensions)	1.2 m x 1.2 m (3.93 ft x 3.93 ft)

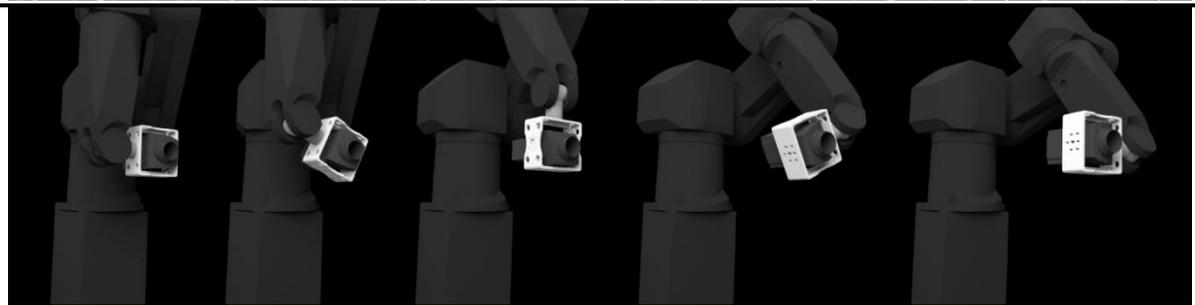
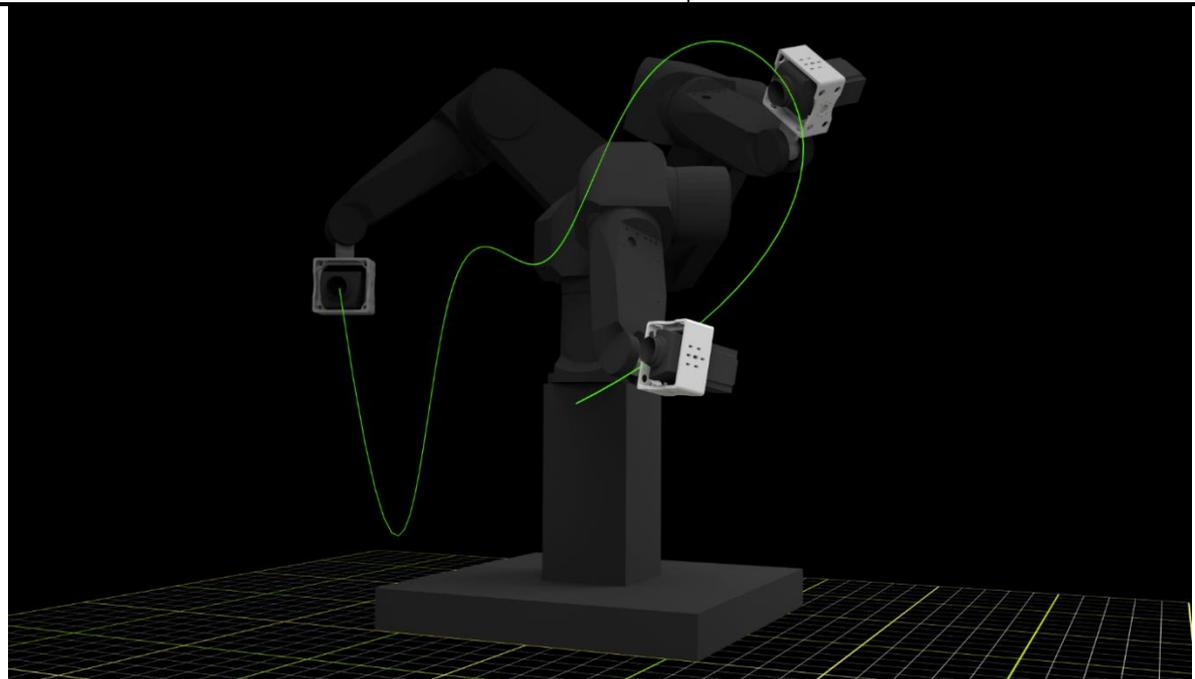
RIG WEIGHTS

Robot rig (incl. weight platform and riser)	750 kg (1654 lbs)
Controller (incl. wheel platform and cables)	400 kg (881 lbs)
Load capacity	12 kg (26 lbs) at max speed in any config.
	22 kg (48 lbs) at lower speed (60% of max speed) in any configuration

SPEEDS & LIMITS

Basically, any move can be achieved within the operating envelope limits. From simple moves like a straight line, or a curve to complex moves for creating unique moments. The speed is fully controllable including acceleration, deceleration and stopping. The maximum speed of the robot decreases depending on the complexity of the move and the camera plus the lens weight. However, we are always optimizing the positions and the path in order to achieve the desired move at the highest speed possible. For very complex camera movements we recommend simulating the moves before the shooting day and only perform the final adjustments on set.

Max speed for straight lines	13.2 m/s (43.3 ft)-quicker than gravity
180 degree arc (50cm radius)	1.1 s
Repeatability precision for multiple passes	0.03 mm (0.09 ft)



RIG FIXING, SET-UP & POWER CONNECTION

Our robotic arm does not require screwing it to the floor, even when used on its max speed.

Set-up time: Max 1 h incl. camera mount and calibration.

Require 380V/16A power line.

Power consumption: under 3KW/h.

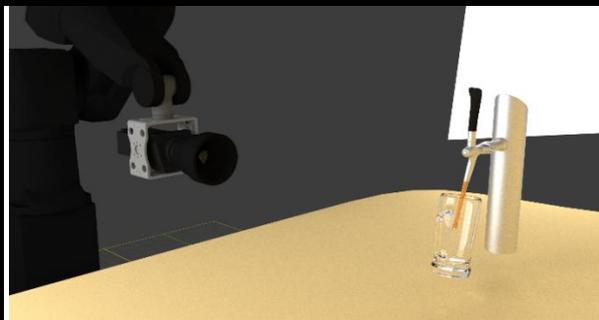
3D PRE-VISUALIZATION

We can recreate any object and simulation in a 3D virtual studio for pre-visualization before the shooting day. The 3D virtual studio includes the real world operating envelope and the real speeds of the robot.

CAMERA VIEW



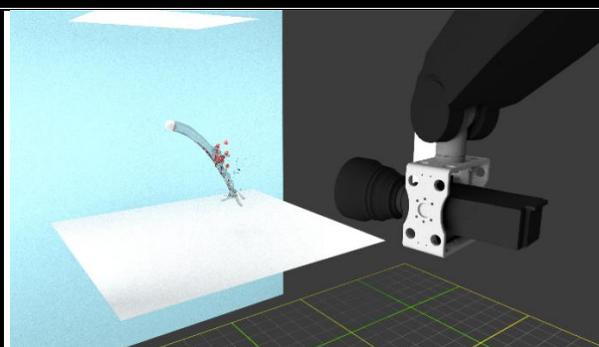
PERSPECTIVE VIEW



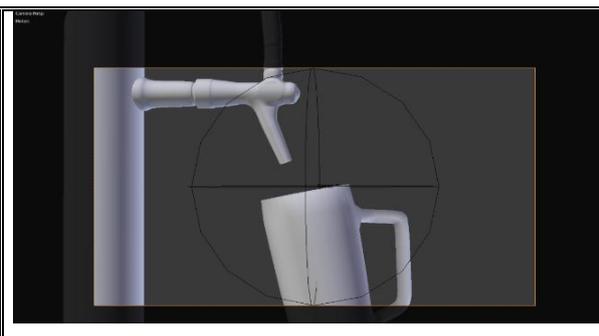
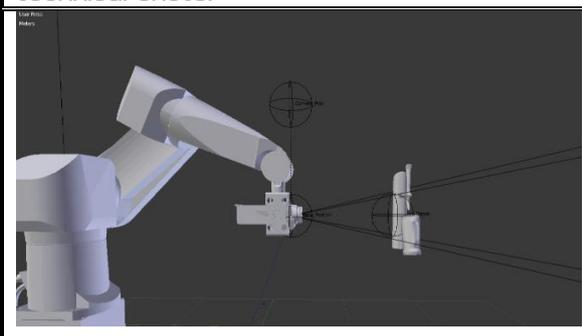
CAMERA VIEW



PERSPECTIVE VIEW

**ON SET WORK**

Our 3D software application is optimized for super-fast work on the set. We capture the director's vision and feel to make **CREATIVE** and **BEAUTIFUL** sequences rather than purely technical shots.





If you consider using our High Speed Motion Control Robotic Arm for your creative project please contact us to discuss the best solution or to arrange in our studio, in Bucharest, a dedicated demo for your specific needs.

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