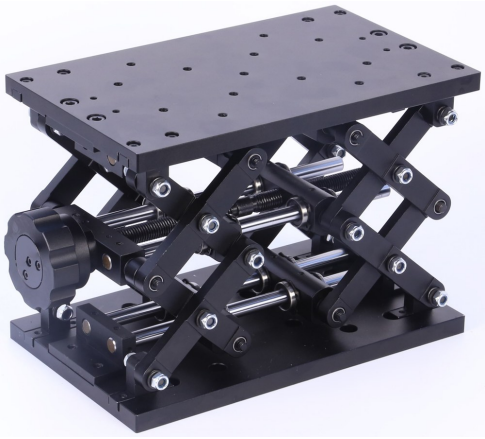
MJ Series Lab Jacks, 60–240 mm Travel, Up to 40 kg Load, Scissor Lift

Model MJ Series · waveqvanta.com/products/mj-series-lab-jacks

Scissor-lift lab jacks for long Z travel and heavy loads, with fine lead screw drive.



MJ series lab jacks provide long vertical travel and high load capacity using a scissor lifting structure driven by a fine lead screw. The body is high-hardness aluminum alloy with a black anodized surface for durability and low reflectivity in dark environments. Three sizes cover 60 to 240 mm travel and loads from 10 to 40 kg.

Key features

- Scissor lifting structure for long travel and high load capacity
- Travel of 60, 120 or 240 mm; stage surface height up to 350 mm
- Load capacity of 10, 30 or 40 kg
- Fine lead screw drive: Φ8 × 1 on MJ60, two-way Φ12 × 1.75 on MJ120 and MJ240
- Hard aluminum alloy body, black anodized, low reflectivity
- Stage surfaces from 120 × 80 mm to 400 × 150 mm

Specifications

Travel Range	60, 120 or 240 mm
Stage Surface Height Range	60–350 mm (model dependent)
Stage Surface Size	120 × 80 to 400 × 150 mm
Lifting Mechanism	Scissor structure
Drive Type	Fine lead screw (Φ8 × 1) or two-way fine lead screw (Φ12 × 1.75)
Body Material and Finish	Black anodized aluminum alloy
Load Capacity	10–40 kg (model dependent)
Weight	1.1–8.7 kg

Model overview

Model	Travel (mm)	Height Range (mm)	Stage Size (mm)	Drive	Load (kg)	Weight (kg)
MJ60	60	60–120	120 × 80	Fine lead screw, Φ8 × 1	10	1.1
MJ120	120	110–230	250 × 150	Two-way fine lead screw, Φ12 × 1.75	30	4.5
MJ240	240	110–350	400 × 150	Two-way fine lead screw, Φ12 × 1.75	40	8.7

Typical applications

- Raising light sources, instruments and detectors to beam height
- Supporting heavy optical assemblies and sample chambers
- Coarse height adjustment on optical tables and benches