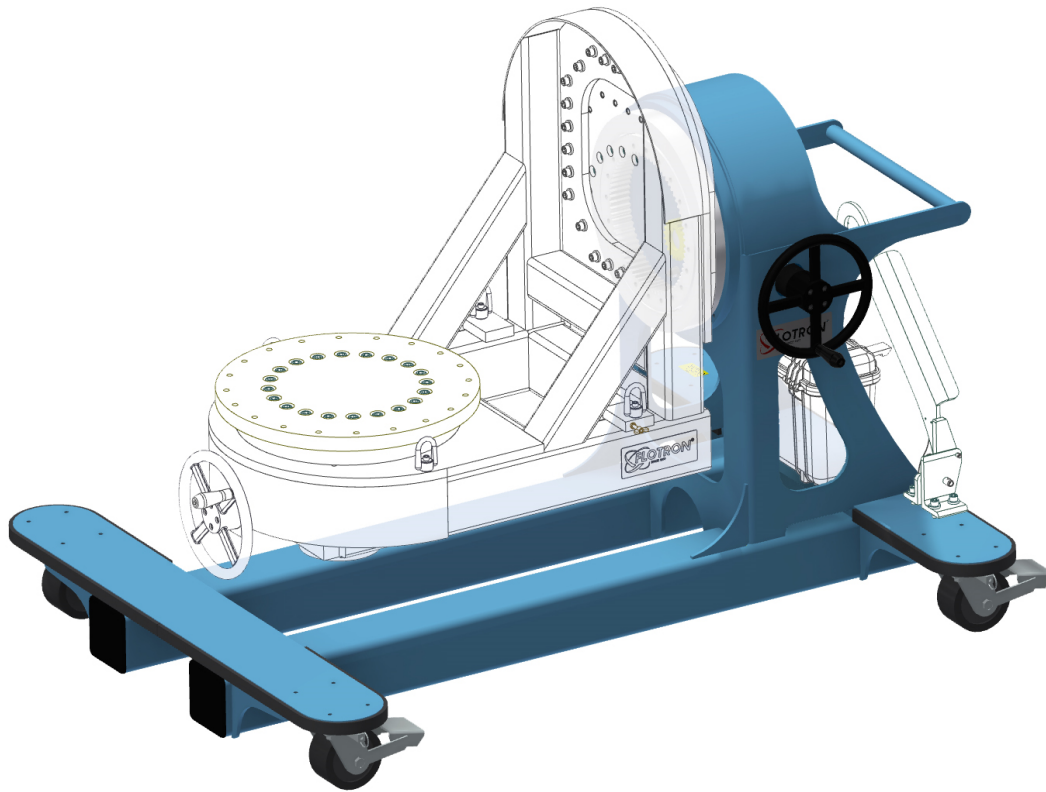


Off-the-shelf / Small Satellite Fixture

Flotron's off-the-shelf small satellite fixture product line is offered in four models. The CTL36, CTL48 and CTL60 models have rotation centerline heights of 36", 48" and 60" respectively (as measured from the floor to the rotation centerline). The CTL-AH model has adjustable height using a manual hand crank input and is adjustable from 30" – 60" (as measured from the floor to the rotation centerline). The design intent of the small satellite fixture series is to support small satellites or satellite instruments during assembly, integration and test activities. The spaceflight hardware can be supported in a cantilevered orientation so that the longitudinal axis is parallel to the floor and then rotated 360 degrees. Alternatively, the Secondary Axis (SA) option can be specified. In addition to providing a rotation axis along the payload centerline, the SA option allows the technician to tilt the payload from horizontal to vertical, upside down and then back to horizontal (pointing the opposite direction).

CTL-36



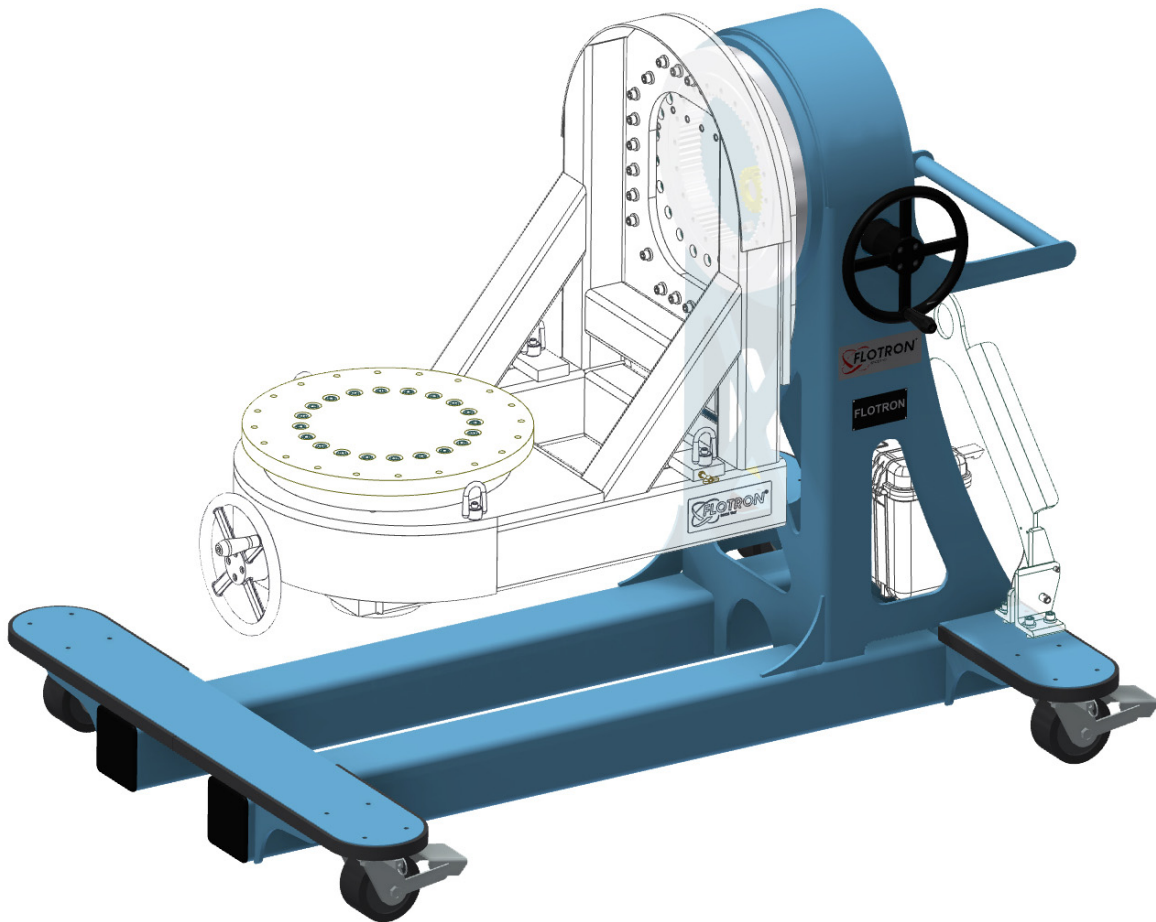
Load Rating: 3,000 lbs @30"

Swing Radius: 27.2"

Max Torque: 8,000 in-lbs

Easy Crank: 7,000 in-lbs

CTL-48



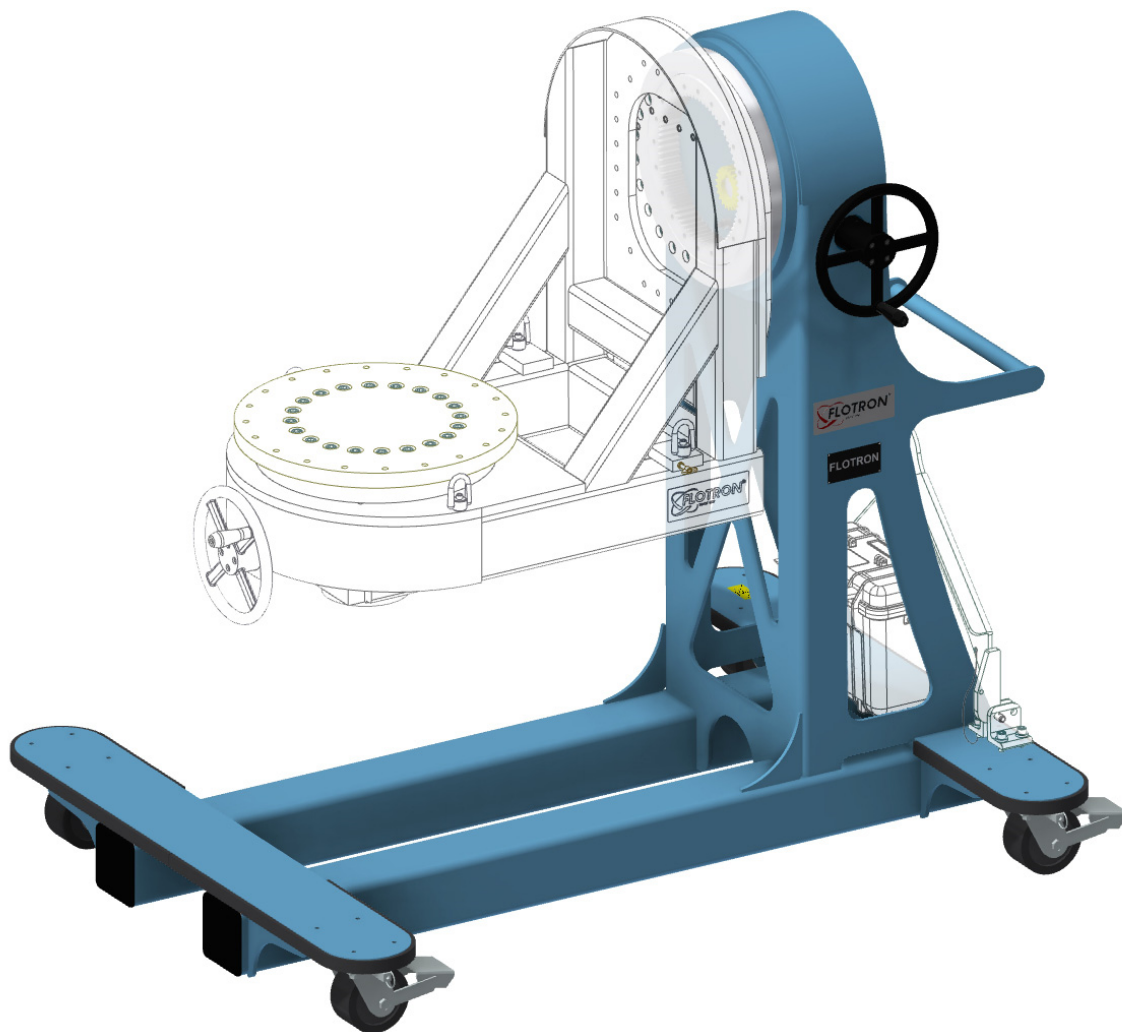
Load Rating: 2,600 lbs @30"

Swing Radius: 39.2"

Max Torque: 8,000 in-lbs

Easy Crank: 7,000 in-lbs

CTL-60



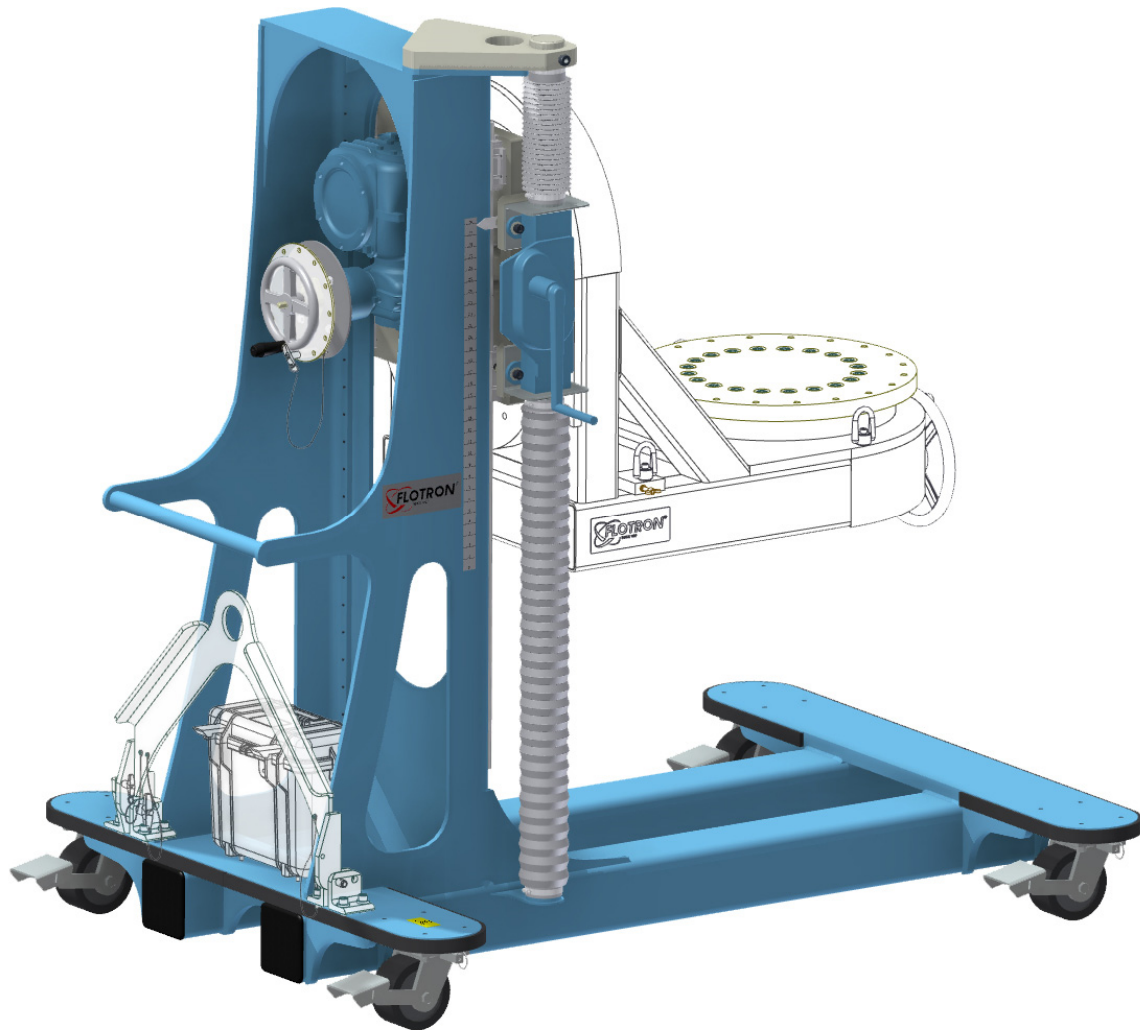
Load Rating: 2,200 lbs @ 30"

Swing Radius: 51.2"

Max Torque: 8,000 in-lbs

Easy Crank: 7,000 in-lbs

CTL-AH



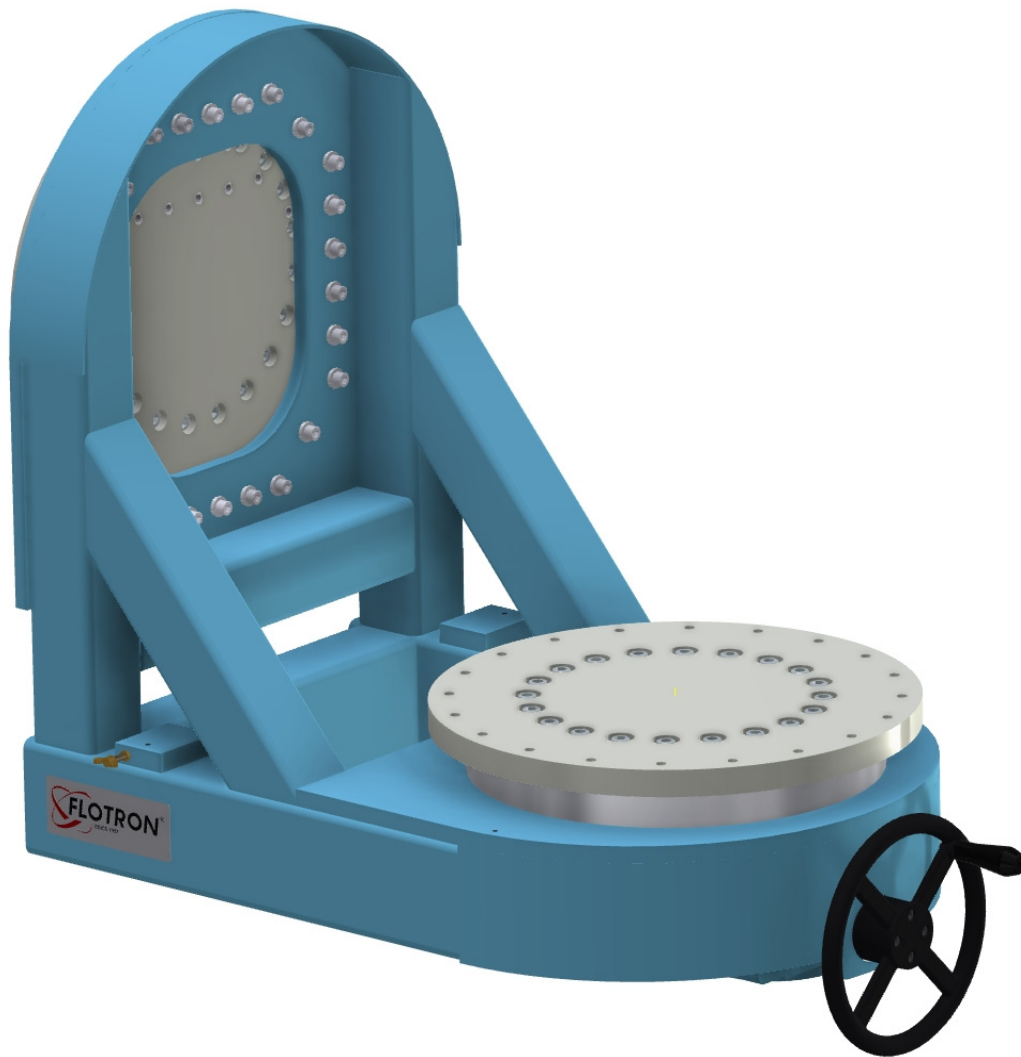
Load Rating: 3,000 lbs @ 30"

Swing Radius: 21" - 51"

Max Torque: 8,000 in-lbs

Easy Crank: 7,000 in-lbs

Secondary Axis of Rotation (SA)



Load Rating: 1,100 lbs

Swing Radius: 36"

Max Torque: 3,300 in-lbs

Easy Crank: 3,300 in-lbs