EXTRA LARGE DROP TESTING

Introducing the MAXDROP™. Extra large free-fall drop testing is now available. Designed to provide repeatable drop testing on the largest test products and packages ever. You won’t have to settle for hooks and chains any longer!

DROP WITH CONFIDENCE

The MAXDROP™ series was designed with international test procedures in mind, plus the convenience you’ve come to expect in a drop tester. Here’s why you can drop with confidence:

- Flatness of drop maintained throughout entire support carriage
- Repeatable and reproducible minimizes test variability
- Fast drive system for high test output

MAXDROP™ FEATURES

- Two models to choose from (300kg or 600kg)
- Massive four-tine support carriage
- Lead Screw Drive System
- Accelerated drop thrusts carriage ahead of payload
- Remote control panel can be positioned by user for convenience
- Easy operation and maintenance
- Flat, edge and corner drops
- Available in any international power configuration
- Emergency stop for quick shut down

MAXDROP™ OPTIONS

- Enlarged impact area
- CE compliance
- Additional power configurations
- Safety fences
- Test Lab Professional DAQ

MAXDROP™ Operation

MAXDROP™ operation is easy! Simply lower the support carriage to the rest position (lowest position). Load your product onto the support carriage. Next, position the drop release mechanism to the desired drop height and raise the support carriage until the carriage stops (this will occur automatically as it touches the release mechanism). Now your ready to perform your drop test. On the control panel, press both drop buttons simultaneously and the support carriage will thrust downward ahead of the product ensuring an unobstructed drop.
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**MAXDROP™ SERIES MODEL COMPARISON**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>METRIC</th>
<th>ENGLISH</th>
<th>METRIC</th>
<th>ENGLISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payload Weight</td>
<td>600 kg</td>
<td>1,323 lbs</td>
<td>300 kg</td>
<td>661 lbs</td>
</tr>
<tr>
<td>Payload Drop Height</td>
<td>51 - 889 mm</td>
<td>2 - 35 inches</td>
<td>51 - 1,499 mm</td>
<td>2 - 59 inches</td>
</tr>
<tr>
<td>Support Arm Area</td>
<td>1,499 - 1,499 mm</td>
<td>59 x 59 inches</td>
<td>991 x 1,194 mm</td>
<td>39 x 47 inches</td>
</tr>
<tr>
<td>Std Impact Area</td>
<td>1,499 x 1,499 mm</td>
<td>59 x 59 inches</td>
<td>991 x 1,194 mm</td>
<td>39 x 47 inches</td>
</tr>
<tr>
<td>Base Plate</td>
<td>1,499 x 2,057 mm</td>
<td>59 x 81 inches</td>
<td>991 x 1,753 mm</td>
<td>39 x 69 inches</td>
</tr>
<tr>
<td>Drop Type</td>
<td>Free Fall</td>
<td></td>
<td>Lead Screw</td>
<td></td>
</tr>
<tr>
<td>Lift System</td>
<td></td>
<td></td>
<td>User Positioned Panel on Stand</td>
<td></td>
</tr>
<tr>
<td>Control Interface</td>
<td></td>
<td></td>
<td>220V, 50 or 60Hz, Single or Three Phase, 15A or 10A</td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

**OVERALL DIMENSIONS**

<table>
<thead>
<tr>
<th></th>
<th>METRIC</th>
<th>ENGLISH</th>
<th>METRIC</th>
<th>ENGLISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height at Rest</td>
<td>965 mm</td>
<td>38 inches</td>
<td>1,270 mm</td>
<td>50 inches</td>
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<tr>
<td>Width by Depth</td>
<td>1,625 x 2,108 mm</td>
<td>64 x 83 inches</td>
<td>1,067 x 1,854 mm</td>
<td>42 x 73 inches</td>
</tr>
<tr>
<td>Weight</td>
<td>2,595 kg</td>
<td>5,720 lbs</td>
<td>2,096 kg</td>
<td>4,620 lbs</td>
</tr>
</tbody>
</table>

**DATA ACQUISITION OPTION:**

**TEST LAB PROFESSIONAL (TLP) DATA ACQUISITION SYSTEM: DROP & SHOCK NEW - USB HARDWARE CONFIGURATION AVAILABLE**

- Complete Windows-based software
- Drop & shock test acquisition and analysis
- 4-ch (USB Drive) data capture capabilities
- Peak G, duration, and change-in-velocity analysis
- Max. rate 250K samples/sec (1 ch.); min. rate 3K S/sec (8 ch.)
- Resolves 0.1msec HS pulse on 5 channels simultaneously
- 16 bit A/D Resolution; 0.0015% of full scale input
- Adjustable ±10V, ±5V, ±1V, ±0.2V input voltage
- Bi-polar, selectable per axis automatic triggering or manual triggering
- Data capture window with automatic or user-specified duration
- Automatic, user-specified or no low-pass data filtering

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