Pitch Table
Vibration Systems

Team Corporation, the leader in high performance hydraulic test systems, offers a vibration test systems designed specifically for automobile seat manufacturers and recreational equipment carriers.

The Pitch Table is designed to perform in-process testing as described in the “Vibration Amplitude of Seat Back (IP TESTING)” and “Evaluation of Noise During Applied Vibration (IP TESTING)” sections of Ford Motor Company’s ES-F58B-1600034-A specification.

The versatile Pitch Table has gained wide acceptance by major seat manufacturers including Johnson Controls and Lear Corporation, and recreational equipment carriers such as Thule.

Features:
• Simultaneous bounce (vertical) and pitch (or roll) motions
• Built-in, air-isolated reaction mass
• Easy and direct installation on most facility floors
• Easy to operate, digital control system designed for minimal operator training
• Manual mode for troubleshooting specific noise problems
• Easily re-programmed to allow for changes in specifications

Applications:
• Squeak and rattle testing of automobile seat assemblies
• Durability Testing
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>English</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic Force</td>
<td>4,000 lbf</td>
<td>17.8 kN</td>
</tr>
<tr>
<td>Peak Displacement</td>
<td>4.0 in</td>
<td>100 mm</td>
</tr>
<tr>
<td>Maximum Payload</td>
<td>1,000 lbs</td>
<td>450 kg</td>
</tr>
<tr>
<td>Reaction Mass</td>
<td>10,000 lbs</td>
<td>4500 kg</td>
</tr>
<tr>
<td>Mounting Surface</td>
<td>70 in x 70 in</td>
<td>1.8 m x 1.8 m</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>5 - 50 Hz</td>
<td>5 - 50 Hz</td>
</tr>
</tbody>
</table>

- Vertical acceleration to be measured along this plane

![Diagram](image-url)
Engineered vibration testing solutions for improved product quality

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