

## Manual Addendum – Composite Tops

### Document Description:

This addendum applies to AMTI Biomechanics Force Platforms built with composite tops. Special handling precautions and recommendations are explained in this document.

### Applicable AMTI Models:

OR6-6-OP

BPxxxxxxHF (all high frequency models)

OPT464508HF

OPT400600HF

BP600600 or larger

AND

Other custom platforms  
built with composite tops

### Composite Tops:

Certain AMTI models are fabricated with composite tops to minimize the weight of the top and thus optimize performance in terms of response time and natural frequency. The above models and custom platforms built for high frequency applications (models ending with “HF”) do not have solid metal tops. Instead, these models are fabricated with an aluminum honeycomb core bonded to aluminum sheets. The sheets distribute the contact pressure to the honeycomb.

### Recommended Handling and Use:

1. Force Loading: Although the composite tops have high compressive strength, forces applied to the top surface should be applied over an area and not isolated to cause a high pressure contact point. Loading on a small isolated area may dent or puncture the top. The maximum rated contact pressure is **400 psi (2.75 MPa)**.
2. Modification of Tops: Composite tops should not be modified by the user. Any threaded holes must be specified at time of purchase in order that provisions are made for the attachment of inserts.
3. Contact [support@amtimail.com](mailto:support@amtimail.com) for guidance concerning any uses that may potentially damage the force platform.

Any damage to an AMTI Biomechanics Force Platform composite top caused by high contact pressure loading or modification is the responsibility of the user. AMTI is not responsible for damages caused by misuse.

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