

# Thorax Impact Test Stand TF-300-0000

The Humanetics Thorax Impact Test Stand is used in the certification and testing of the Hybrid III family, Hybrid II 50th, EuroSID-2/re, SID-HIII, SID, SID-IIs, THOR, WorldSID 50th/5th, Q-Dummies, and BioRID-II. The Thorax Impact Test Stand is designed to perform ATD certification tests as written in the United States Code of Federal Regulations, Title 49, Part 572.

## Description

The impact probe is suspended from the structural frame by means of four aircraft grade cables. Two additional cables are attached at the rear of the probe to restrict roll and lateral motion of the probe during the drop. All cables are attached to the probe by means of light-weight sheaves, allowing for rapid installation. Turnbuckles are spliced and swaged into the suspension cables to allow for accurate re-positioning of the probe when necessary.

The one uniaxial accelerometer and chest potentiometer required for this test are not included.

## Standard Equipment

- Structural frame assembly
- Mechanical Pelvic Angle Gage Assembly
- Infrared velocity measurement system
- Dummy restraint net
- Mechanical angle indicator
- Bubble level



## Optional Equipment

- Thorax Impact Adaptation packages are available for the following dummies:
  - Hybrid III 50th / Hybrid III 95th
  - Hybrid III 5th
  - Hybrid III 10 YO
  - Hybrid III 3 YO / 6 YO
  - CRABI 12, 6, & 18-Month-Old
  - Hybrid II 50th
  - Hybrid II 3 YO / 6 YO
  - FAA HIII-50M
  - THOR
  - Q-Dummies
  - SID-IIs
  - WorldSID 50th / WorldSID 5th
  - EuroSID-2, ES2re
  - BioRID-II
- Humanetics Power Pull
- Electro-Mechanical Quick Release
- Hydraulically assisted lift table with adjustable height and stainless steel top

Dimensions	Fixture	Work Area
Length	19' 9"	21.0 ft
Width	6' 4"	9.0 ft
Height	15' 1"	-