



Foot Impactor Test Stand

Model Number: TF-1602-1000

INTRODUCTION

The Denton Dynamic Foot Impactor Test Stand is used to measure the impact response of the Hybrid III 50th foot per E.C.E. Regulation 94 and the Thor-FLx and the Thor-Lx lower legs in accordance with NHTSA specifications. The Foot Impactor provides the test operator with a safe, efficient and easy to use impact test fixture.

The test stand is available in a 110VAC \pm 10% 50/60HZ version or a 220VAC \pm 10% 50/60HZ version.



OPTIONS

TF-1602-2000: pendulum and adaptor assemblies for the Thor-FLx and Thor-Lx upper foot and heel dynamic foot impact tests.

TF-1602-3000: pendulum and adaptor assemblies for the European upper foot and heel (with or without shoe) foot impact tests for the HIII 50th .

FEATURES

- Drive Motor Enclosure
- Operation Station with:
 - Up and Down Push Buttons
 - Fast/Slow speed selector switch
 - On/Off and Emergency Stop Switches
 - “Power On” Lamp
- Adjustable “Up” auto-stop allows repeatable positioning
- Set-up gages for the Hybrid III 50th, Thor-Lx and Thor-FLx
- Electronic Quick Release with safety and release solenoids
- Quick Release is failsafe and holds position if power is lost
- Control Box with two-handed activation buttons and 24 volt power supply
- Removable pendulum for fast change between different foot impactor tests
- Digital reference display for pendulum drop height

The pendulum accelerometer and the Hybrid III 50th, Thor-Lx and Thor-FLx tibia load cells required for this test are not included.

Dimensions	Fixture	Work Area
Length	4.0 ft	7.0 ft
Width	3.0 ft	5.0 ft
Height	11.3 ft	12.0 ft

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Revision: 04/05/07