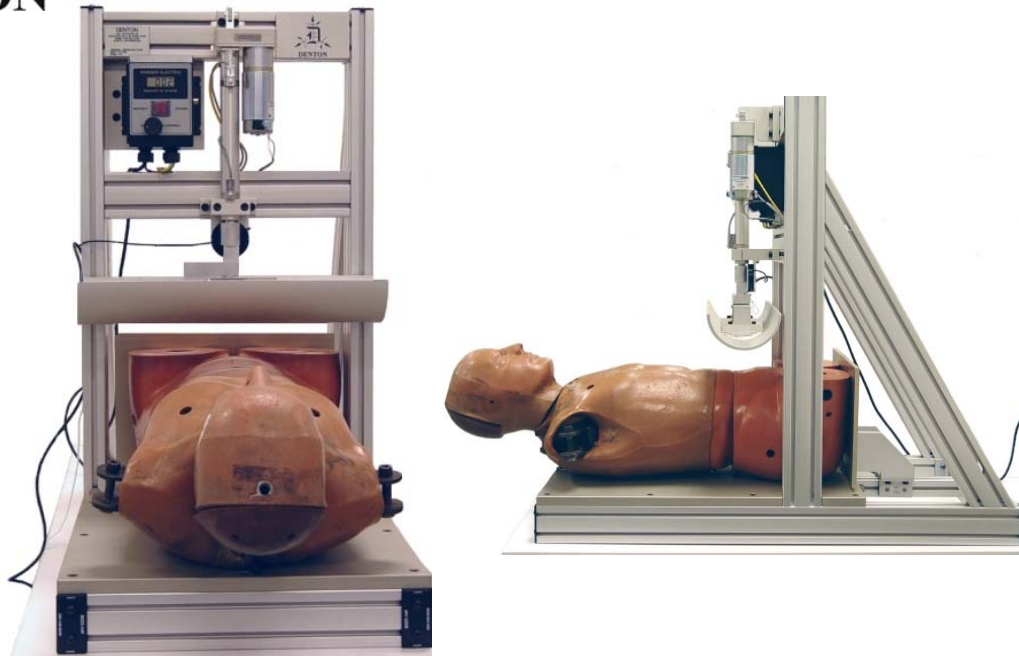




# Abdominal Compression Test Stand

Model Number: TF-900



## INTRODUCTION

The Model TF-900 Abdominal Compression Test Stand is a complete test fixture for performing the Hybrid II 50th Percentile Male Abdomen test specified by NHTSA, CFR Title 49, Part 572.9. The Abdominal Compression Test Stand is used in conjunction with the customer's data acquisition system.

## DESCRIPTION

The Model TF-900 Abdominal Compression Test Stand is built on a flat, rigid, horizontal machined surface, making it easy to position the dummy for tests. The Model TF-900 includes a precision motor controller and actuator with feedback and speed regulation to set the test parameter of .25 - .35 inches per second. The actuator is connected to a rigid cylinder 6" in diameter as specified by CFR Title 49, Part 572.9. The stand is manually operated using the RETRACT/EXTEND switch on the motor control.

## STANDARD EQUIPMENT

The complete stand includes all equipment, including sensors, required to perform the Hybrid II Abdominal Compression Test.

- Motor control and actuator with feedback and speed regulation
- 330 lb Precision Load Cell for measuring compression force
- 6.5 inch Precision String Potentiometer for measuring compression displacement

Dimensions	Fixture	Work Area
Length	3.3 ft	5.0 ft
Width	3.1 ft	4.0 ft
Height	2.0 ft	—

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