

## PRODUCTS

**1-800-394-0016**

# TESTMASTER®

## TestMaster® Model 500 Series Hydrostatic Test Tools Pressures Up to 15,000 psi (1,034 bar)

The patented TestMaster® Model 500 Series Hydrostatic Test Tool allows production speed hydrostatic testing for tube mills and other applications where accurate, rapid testing is needed. The tool design employs an air-operated mechanism for positive preclamp and release of collets. Its tube seal retracts during tube loading and removal, greatly enhancing the seal life. The tool can be used with a variety of services, including water and oil.

The Model 500 Series Tool is suitable for hydrostatic pressure testing up to 15,000 psi (1,034 bar). The Model 500 handles standard and metric tube, pipe, and fittings sizes from 0.25 in. to 3.50 in. OD (6.4 mm to 88.9 mm OD). This tool is suitable for testing according to military, nuclear, automotive, and aerospace specifications such as, API, ASTM, ISO, DIN, and BS.





















The pressure compensated design of the Model 500 Tool places the tube or pipe in tension, using internal pressure to grip and seal on the tube OD. This design eliminates tube clamping devices along the tube length. One body size will accommodate multiple wall thicknesses, while maintaining high fill rates.

Normally two Model 500 Tools are used for tube testing. One tool fills the tube, and the other tool plugs the tube until completely filled. For optimal tool performance use with [NuQuip® Automatic Air Bleed Valves](#).

Contact [Airmo](#) for special tool sizes and configurations.

### Product Features

	Specifications	Description
	<b>Maximum Pressure:</b>	Working pressures up to 15,000 psi (1,034 bar)
	<b>Tube OD Range:</b>	0.25 in. to 3.50 in. OD (6.4 mm to 88.9 mm OD)
	<b>Temperature:</b>	32° F to 120° F (0° C to 49° C)
	<b>Services:</b>	Water and oil
	<b>Velocity:</b>	Full-flow, high prefill
	<b>Collet Grip and Seal:</b>	On tube OD
	<b>Gripping:</b>	Pressure-compensated design for safe operation
	<b>Actuation:</b>	Air-pilot clamp and release
	<b>Mounting:</b>	Tapped holes in body

	<b>Segmented Collets and Retractable Seal:</b>	Quick connection to plain end or upset tube or pipe
	<b>Predetermined Internal Tube Stop:</b>	Requires no measuring
	<b>Low Marking Collets:</b>	Prevents tube end collapse and eliminates scrap
	<b>Built-in Tube End Tolerances:</b>	Requires no square end cuts
	<b>Compact, Balanced Design:</b>	Portable for use in field testing
	<b>Tube Size Sets:</b>	Rapid changeover between tube sizes
	<b>Use with NuQuip® Automatic Air Bleed Valves:</b>	Eliminates operator attendance during fill cycle
	<b>Construction:</b>	Precision-machined, heat-treated stainless steel
	<b>Custom Options:</b>	Custom options considered



[TestMaster® Model 500 Series Hydrostatic Test Tools.pdf](#)



[TestMaster® Product Line Card.pdf](#)

## Applications

The TestMaster® Model 500 Series Tool is used for a variety of pressure testing and hydro-expansion applications.

### Model 500 Tool Applications

Hydrostatic pressure testing

Tube mill pipe testing

Hydro-expansion of tubes and pipes

## TestMaster® Hydrostatic Test Tools

TestMaster® Model LPH Series Hydrostatic Test Tools - Pressures up to 5,000 psi (345 bar)

TestMaster® Model LPHE Series Hydrostatic Test Tools - Pressures up to 5,000 psi (345 bar)

TestMaster® Model MPG Series Medium Pressure Gas Test Tools - Pressures up to 10,000 psi (689 bar)

TestMaster® Model 64 Series Hydrostatic Test Tools - Pressures up to 10,000 psi (689 bar)

TestMaster® Model 264 Series Hydrostatic Test Tools - Pressures up to 20,000 psi (1,379 bar)

TestMaster® Model 300 Series Hydrostatic Test Tools - Pressures up to 5,000 psi (345 bar)

TestMaster® Model 310 Series Hydrostatic Hose Test Tools - Pressures up to 30,000 psi (2,068 bar)

TestMaster® Model 333 Series Hydrostatic Test Tools - Pressures up to 30,000 psi (2,068 bar)

TestMaster® Model 350 Series Hydrostatic Bottle and Cylinder Test Tools - Pressures up to 15,000 psi (1,034 bar)

TestMaster® Model 364 Series Hydrostatic Test Tools - Pressures up to 30,000 psi (2,068 bar)

TestMaster® Model 464 Series Hydrostatic Test Tools - Pressures up to 40,000 psi (2,758 bar)

TestMaster® Model 525 Series Hydrostatic Test Tools - Pressures up to 15,000 psi (1,034 bar)

## NuQuip® High-Pressure Accessories

NuQuip® Automatic Air Bleed Valves - Pressures up to 40,000 psi (2,758 bar)

NuQuip® Model QD Series Quick Disconnects - Pressures up to 60,000 psi (4,137 bar)

## TestMaster® Hydrostatic Pressure Test Systems

[TestMaster® Model 30096HT Burst Test Chambers - Pressures up to 30,000 psi \(2,068 bar\)](#)  
[TestMaster® Model HPS Hydrostatic Pressure Systems - Pressures up to 30,000 psi \(2,068 bar\)](#)

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[Contact Airmo for Your System and Tool Needs](#)



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