

Cylinder Head and Block Pressure Tester

The Amazing Universal Pressure Tester



The Newclear Pressure Tester is a revolutionary machine that has been specifically designed for the Automotive and Diesel Cylinder Head and Block Testing Industry. It has the capability to effectively test various cylinder heads and blocks e.g. a Honda to a 3406E Cat. Head and Automotive to Diesel blocks like the Cummins 350 big cam block. The main features are one of total visibility through a transparent pressure plate with a 360 degree rotation capacity as well as an adjustable center of gravity. This allows rotation of either a light weight cylinder head or heavy Diesel block to take place with ease. It is a complete unit with the advantage of an in – line heating system that can provide hot and cold hydraulic testing capabilities to 120 PSI. The machine is extremely universal and very fast. Newclear is the Revolutionary Universal Pressure Tester.

A.M.S. Equipment Sales

267 Allen Street Hampden, MA 01036 Phone 413-525-8292 fax 413-566-0035

www.amsequipmentsales.com

Features:

Clear visibility.

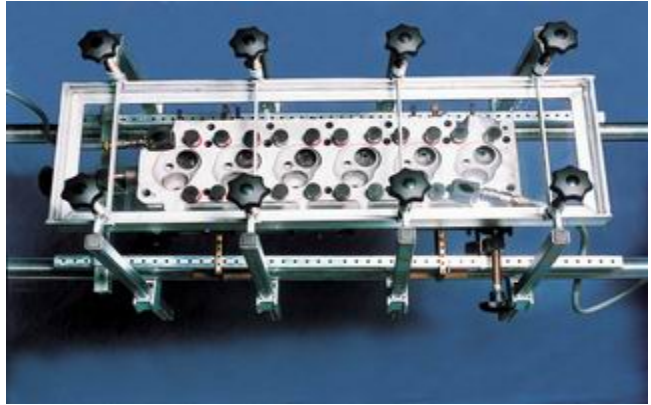
Simple and quick set up time.

In-line heater system for hot / cold water testing.

Universal side clamping system.

Complete rubber blanking-off element kit to suit most cylinder heads & blocks.

Adjustable center of gravity for ease of rotating cylinder heads / blocks 360°.



PRESSURE TESTING A MUST!!!

All Cylinder Heads and Blocks should be pressure tested especially the "Cooked" Ones. With today's modern Multi-Valve Light weight, high output Aluminum Cylinder Heads with Cast Iron Blocks, it has become essential to have a good quality hot and cold Hydraulic Pressure Tester.

THE MOST IMPORTANT CRITERIA TO MEET IS THAT OF:

Eliminating Comebacks

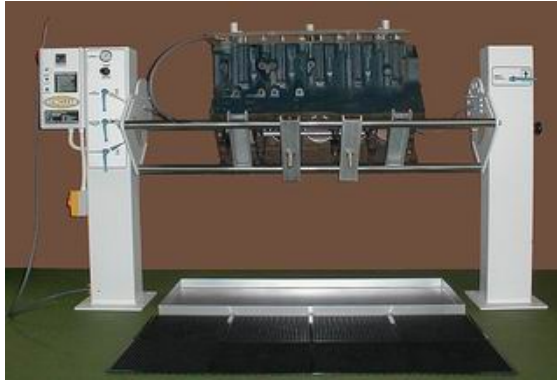
The customer must be confident that the "Problem" has been positively identified.

Major Piston manufacturers and Cylinder Head Gasket manufacturers that have been consulted have confirmed the need for High Quality Pressure Testing to take place when an engine is reconditioned or remanufactured. With the great difference in Expansion Rates between aluminum, cast iron and a modern light weight design, it has become essential to have a High Quality Pressure Test done in order to detect Fractures and Porosity in cores.

Tests have proven that some cores only fracture on disassembly and not when the engine overheats, that some fractures are only evident after a Cold Hydraulic Test, then a Hot Hydraulic Test followed by another Cold Hydraulic Test. It is important to note that these three tests have to be carried out in rapid succession - 10 minutes maximum

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Frequently Asked Questions

Q: Can you pressure test blocks?

Yes - System has an adjustable centre of gravity and special safety clamps to make rotating of blocks while pressure testing, safe and simple.

Q: Can you pressure test V Heads?

Yes - All angles.

Q: Can you pressure test Cat Heads?

Yes - Maximum length is 48 Inches (1200mm)

Q: Do you have to pressure test all heads in a hot condition?

No - Most cracks are easily identified using cold water and air pressure but the hot water facility is always available.

Q: Are you able to get spares?

Yes - Loose spares are always available.

Q: Should you have an unusual head (very uncommon) how do you pressure test?

We can custom make rubber blanking elements - but over the years we have added most blanking elements that should be required.

Q: Does a qualified man need to operate the machine?

No - the system is very simple and one can be guided, with the supplied workshop manual and the training video.

Q: Who uses this machine?

All big and small automotive rebuilders who need to identify problem heads and eliminate comebacks.

Q: Why do we need to pressure test?

To give a professional service and eliminate comebacks which means a loss of profit.

Q: What if there is a leak in the oil gallery?

Some heads can be repaired - most are then scrapped.

Q: Can the machine be used in a production line environment?

The machine can be modified to suite some production lines.

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