



PRESENTATION  
INDUSTRIES OF THE

**seide**  
**TEST MACHINES**

# USE OF AREAS

## **MANUFACTURING INDUSTRY**

QUALITY CONTROL FOR HYDRAULIC HOSES DURING PRODUCTION.  
ENSURING HOSES MEET INDUSTRY STANDARDS BEFORE DISTRIBUTION.

## **AUTOMOTIVE INDUSTRY**

TESTING HOSES USED IN VEHICLES FOR BRAKE, STEERING, AND SUSPENSION SYSTEMS.

## **CONSTRUCTION AND HEAVY EQUIPMENT**

VERIFYING THE PERFORMANCE OF HYDRAULIC HOSES IN EXCAVATORS, CRANES, LOADERS, AND OTHER MACHINERY.

## **OIL AND GAS SECTOR**

ENSURING HYDRAULIC HOSES CAN WITHSTAND HIGH-PRESSURE CONDITIONS IN DRILLING AND OFFSHORE OPERATIONS.

## **AEROSPACE INDUSTRY**

TESTING HOSES USED IN AIRCRAFT HYDRAULIC SYSTEMS TO ENSURE SAFETY UNDER EXTREME CONDITIONS.

## **AGRICULTURAL EQUIPMENT**

VERIFYING THE RELIABILITY OF HOSES IN TRACTORS, HARVESTERS, AND OTHER FARM MACHINERY.

## **MINING INDUSTRY**

TESTING HOSES USED IN MINING EQUIPMENT TO HANDLE HEAVY LOADS AND HIGH PRESSURES.

## **MARINE AND OFFSHORE APPLICATIONS**

ENSURING HYDRAULIC HOSES ON SHIPS AND OFFSHORE PLATFORMS CAN WITHSTAND HARSH ENVIRONMENTS.

## **MAINTENANCE AND REPAIR WORKSHOPS**

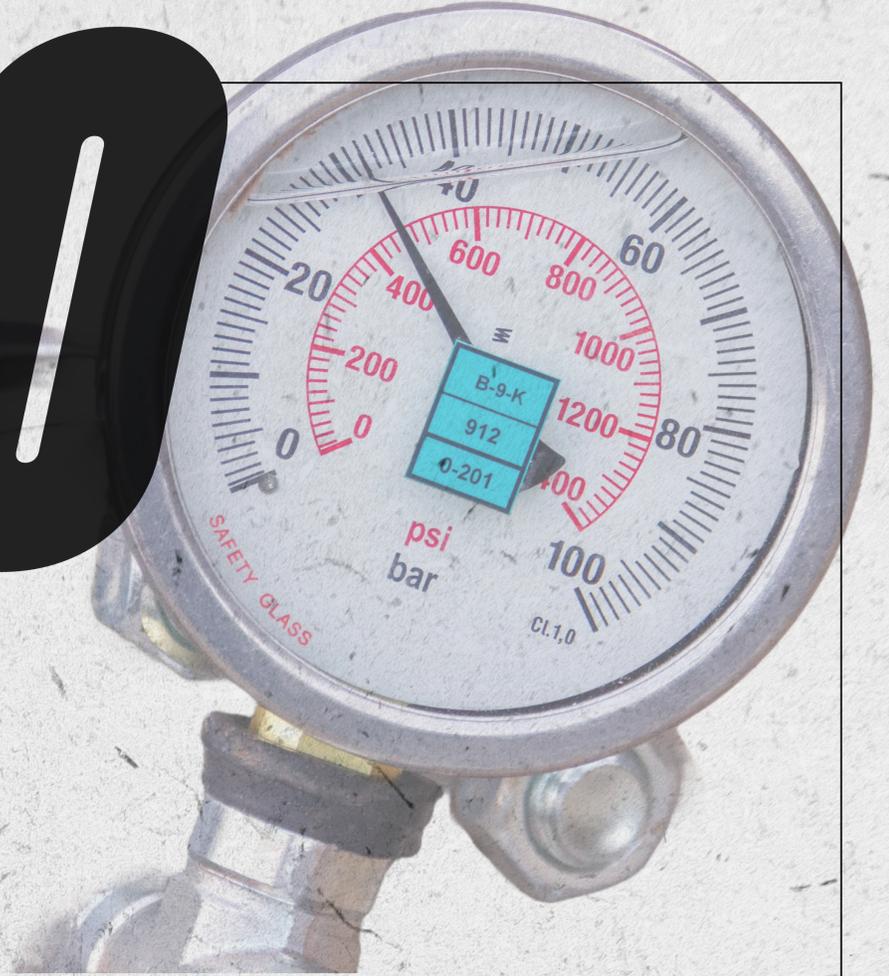
CHECKING THE INTEGRITY OF USED HOSES BEFORE REINSTALLATION OR REPAIR.

## **RESEARCH AND DEVELOPMENT**

TESTING NEW DESIGNS AND MATERIALS FOR HYDRAULIC HOSES UNDER VARIOUS CONDITIONS.



# WITRO



## Superior Hydraulic Systems For Tomorrow.

### What is Hydraulic Test Machine? How does it work?

All equipment used in hydraulic systems is exposed to high pressures. In order to see the sealing capabilities of hydraulic system equipment under high pressure, these equipment must be subjected to static sealing tests.

Hydraulic equipment must be tested according to European Union norms. All products for hydraulic system installation and equipment supply are certified and approved. It should be. For both Turkey and European partner or OEM manufacturers, this system follows European standards. Thanks to our Seide OSM Series Test Machines, you can certify all the hydraulic equipment you have produced and present it to your customers in a certified form. To ensure the reliability of hydraulic hoses, each hose must be subjected to a static pressure test for 60 seconds at 1.5 times the working pressure of the hose. You can observe and report sealing capabilities with our Hydraulic Hose Testing Machines, which allow you to perform these tests safely. Hoses and pipelines that cannot withstand high pressure can cause serious damage, resulting in high costs. Often these damages are higher than the price of a test bench. Thanks to our Hydraulic Equipment Testing Machine, you can get rid of all risks.

### The importance of hydraulic systems

The importance of hydraulic systems and the hydraulic hoses, hydraulic installation pipes, hydraulic cylinders and equipment within the system is increasing day by day in our country. Manufactured Hydraulic Equipment must be tested according to European Union norms. All products for hydraulic system installation and equipment supply must be certified and approved. This system follows European standards for both European partner or OEM Manufacturers within Turkey. Thanks to our OSM Series Test Machines, you can certify all the hydraulic equipment you have produced and present it to your customers in a certified form.

To ensure the reliability of the hydraulic hoses you have manufactured, each hose must be subjected to a static pressure test for 60 seconds at 1.5 times the working pressure of the hose.

# INTRO

## Advantages of Hydraulic Hose Testing Machines

**Enhanced Safety:** Tested hoses are guaranteed to resist leaks and bursts, ensuring the safety of both equipment and personnel.

**Optimized Efficiency:** High-quality, tested hoses improve the overall performance of hydraulic systems.

**Cost Reduction:** Preventing unexpected failures reduces downtime and repair expenses.

**Compliance with Standards:** Hydraulic hose testing machines ensure adherence to international standards, which is critical for both legal compliance and customer satisfaction.

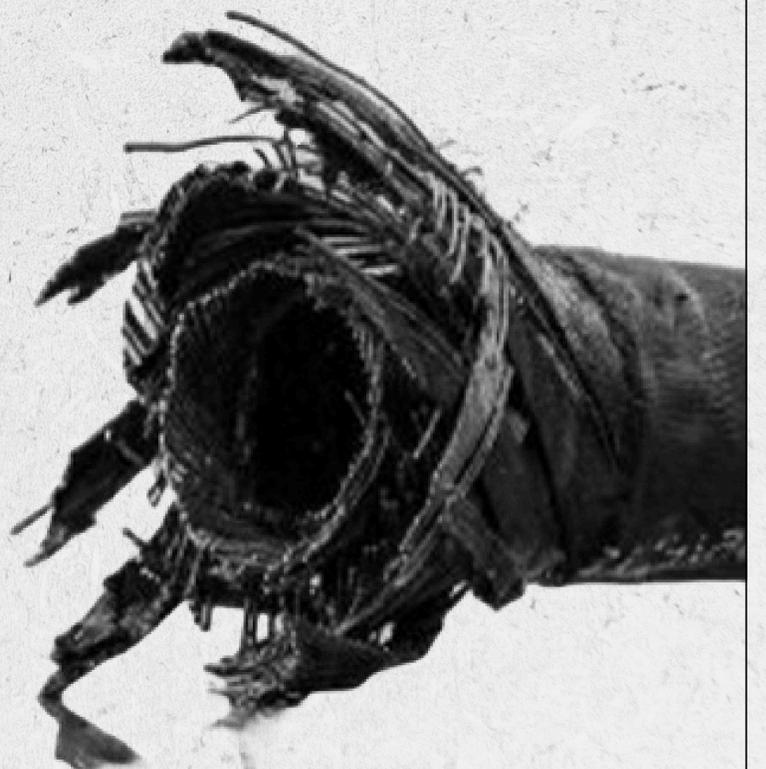
## Insights from Official and International Sources

The importance of hydraulic hose testing machines is frequently highlighted in events such as the National Hydraulic-Pneumatic Congress and Exhibition organized by the Union of Chambers of Turkish Engineers and Architects (TMMOB). These events aim to raise awareness about the safety and efficiency of hydraulic systems. According to TMMOB, regular testing of hydraulic systems is vital for industrial safety and sustainability.

International standards also provide valuable guidance. The Society of Automotive Engineers (SAE), for instance, has published the SAE J343 standard, which outlines methods for testing the performance of hydraulic hoses. Similarly, the International Organization for Standardization (ISO) has developed the ISO 18752 standard, which classifies hydraulic hoses based on their maximum operating pressure and sets durability and safety benchmarks. These standards ensure that hoses perform reliably under consistent pressure levels.

## Conclusion

Hydraulic hose testing machines offer indispensable solutions for operational safety and efficiency in modern industries. Their effective use not only ensures the smooth operation of systems but also significantly reduces operating costs, providing substantial long-term savings. As such, the use of these machines is critical in any field where hydraulic systems are employed.



# UNIT TYPES

## OSM-1000 MINI

Feature	Value
Pump Flow	0.25 lt/min
Drive	6 Bar Air
Test Pressure	50 Bar - 2000 Bar
Test Capacity	1/4" - 2"
Test Report Printing	No
Test Cabinet	No



**UP TO  
BAR 3000**



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Test Capacity	1/4" - 2"
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PRINTING SCREEN    PLC CONTROL PANEL

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# REFRENTS

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