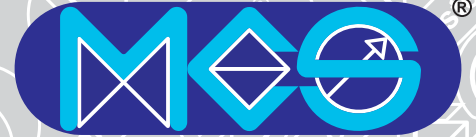


multi-coupling system



multi-coupling system

**Plant, components and devices  
for very high and high pressures  
(7000 bar and over)**



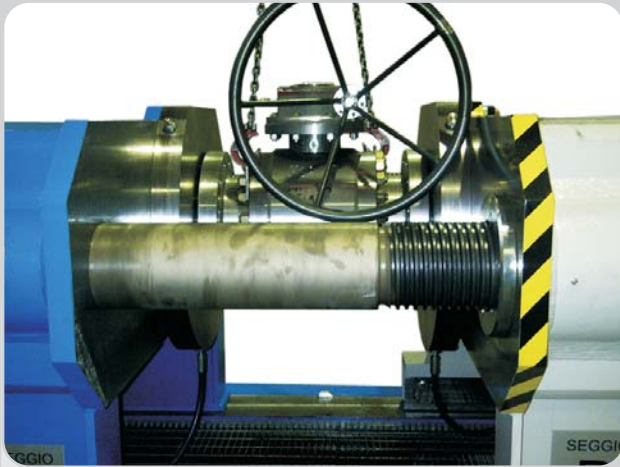
**VALVES AND ACTUATORS  
TEST EQUIPMENT**



ISO 9001

## WHY CHOOSE MULTI-COUPLING TEST BENCH AND SYSTEM

Manufacturing of custom-built units is made within the Company departments, with the capability of machining stainless-steel plates, sections and stock shapes or special materials.



The Factory shops are provided with up-to-date equipment and machinery.

Production processes are constantly improved and the final quality meets the most demanding requirements of both small and large industries.

All materials are selected with several and monitored according to strict criteria.

Top performance and reliability of products, together with the well known flexibility of the Company as a problem-solver, make Multi-Coupling System a really dependable partner for its Customers.

## TEST BENCHES WITH ONE SCREW



Reaction force up to 100 Ton
Custom configuration
Working pressure up to 1600 (liquid) / 1050 (gas)
Vertical or horizontal configuration
Suitable for gas and liquid test
Valve range from 1/2" to 8"

## **TEST BENCHES WITH TWO SCREWS**



Reaction force up to 2800 Ton

Custom configuration

Working pressure up to 1600 bar (liquid) / 1050 (gas)

Horizontal configuration

Suitable for gas and liquid test

Valve range from 3/4" to 60"

## **MULTI VERTICAL TEST BENCHES**



Reaction force up to 240 Ton

Custom configuration

Working pressure up to 1600 bar (liquid) / 1050 (gas)

Vertical configuration

Suitable for gas and liquid test

Valve range from 1/2" to 10"

## PORTABLE UNITS



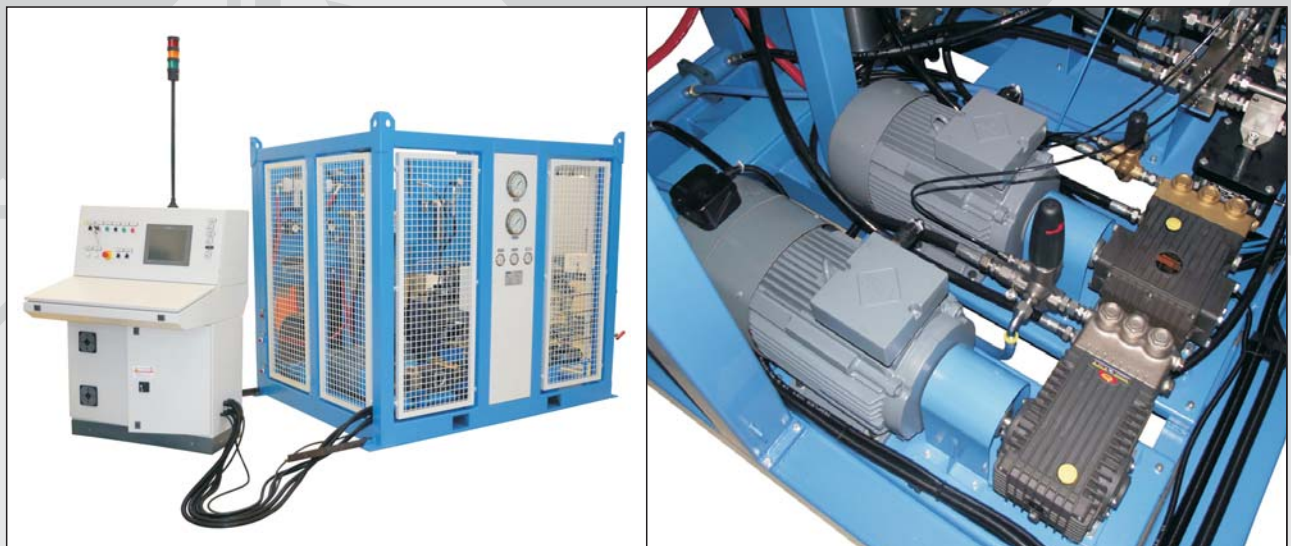
Custom configuration
Working pressure up to 2800 bar (liquid) / 1050 (gas)
Gas and liquid test
Automatic or manual
Data recorder
Automatic bubble counter

## MULTIPURPOSE TEST BENCHES



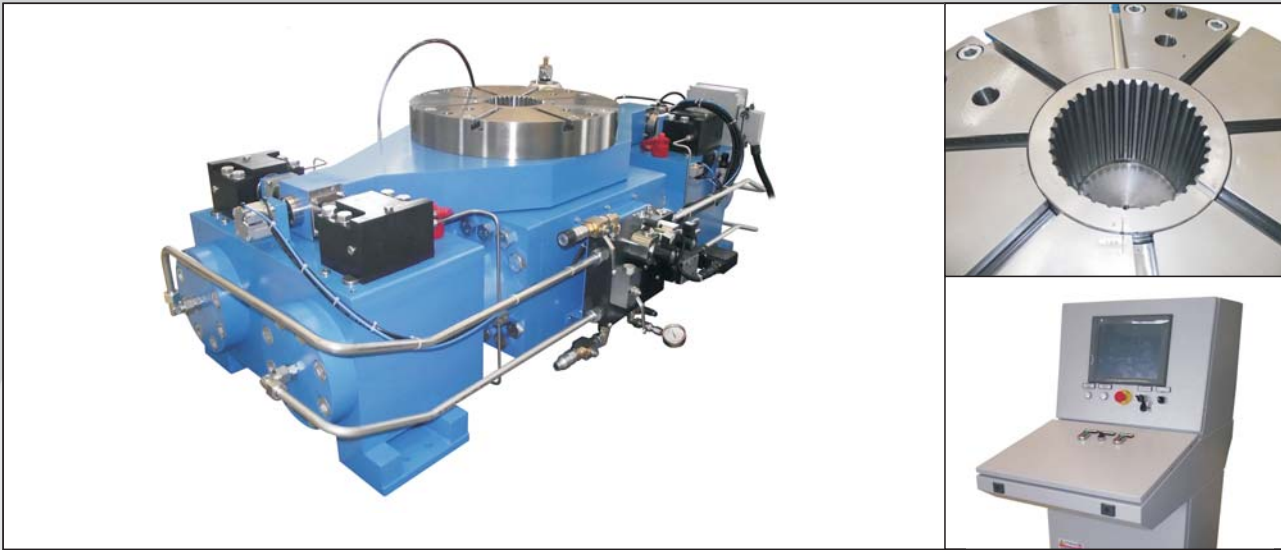
Custom configuration
Max.W.P. up to 2800 bar (liquid) /1050(gas)
Automatic or manual
Data recorder
Endurance, PR2, cavity test
Leakage test
Functional test
Automatic bubble counter

## HYPERBARIC CHAMBER PRESSURIZATION AND AUTOMATIC SUBMARINE ACTUATOR CONTROL



Depth simulation up to 4500 meters
Actuator maximum pressure 1050 bar
Custom configuration
Manual or Automatic subsea actuator cycles
Combinable with pressure skid for valve test

# ACTUATOR TEST BENCHES



Reaction force up to 500.000 Nm
1/4" turn, or linear configuration
Hydraulic brake system technology
For hydraulic, pneumatic or electric actuators
Degree indexing control system
Number of cycle, static and dynamic
Torque measurement, load and time
Totally programmable

## **ACTUATOR TEST AND FLUSHING BENCHES**



Pressure up to 420 bar

Custom configuration

Available for mineral or water based oil

Automatic cycle settable with time or with position switch

High performance filtration system

Data recorder on request

# ACTUATOR ROV SYSTEM



Torque up to 5000 Nm
Electric brushless motor
Easy to use with dedicated panel control
Rov interface up to ISO13628-8 CLASS 5
Torque and position control
Data recorder



## COMPANY PROFILE

MULTI-COUPLING SYSTEM S.r.l. plans and produces hydrodynamic and hydraulic units and plants for the most various industrial fields and for specific applications.

The factory was born in Legnano but because of its development it was necessary its transferring in Canegrate and following in Villa Cortese in a bigger productive plant.

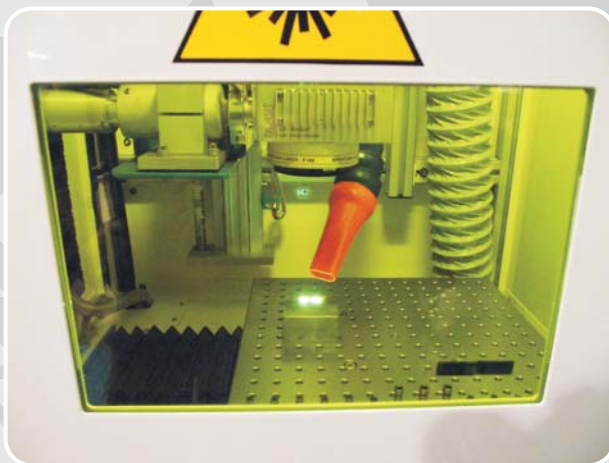
Multi-Coupling System was born in 1992 and thanks to the experience made in the very high and high pressures (5000 bar and over), it plans and supplies distribution and power supply plants, test benches, devices for quality controls, submarine applications, standard or special pipes and components according to the customers' requests.

The special components are produced directly of its own through stainless steel semi-finished products workings.

Therefore, with new devices, the factory has been able to modern the production cycles getting a better finished product for the national small, medium and big industry, both of builder than users which require a special fluidic technology in the productive process.

In fact, its products and flexibility allow to satisfy all the customers' requirements.

In 2002 Multi-Coupling makes HIGH PRESSURE mark, that is a production line of high pressure devices and components.



# VALVE AND ACTUATOR TEST EQUIPMENTS



**COMPONENTS**



**PRESSURE GENERATORS**



**TEST BENCHES**



**OEM SYSTEMS**



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