



SEVEN PULSE
TECHNOLOGIES



TESTING YOUR MOST ADVANCED IDEAS



**UMBRIA
AEROSPACE
CLUSTER**



SEVEN PULSE
TECHNOLOGIES

Seven Pulse is an industrial company founded by expert people with 20 years of experience in designing and manufacturing test stands for the Hydraulics, Aerospace, Agriculture, and Automotive industries.

Skills, innovation, and passion drive our team, enabling us to transform every idea into reality. Our machines are crafted with expertise, responsibility, and professionalism, ensuring high industrial precision and reliability.

We are committed to building strong partnerships, aligning our actions with the interests of our Customers and Suppliers. Passion fuels our ability to overcome challenges and continuously innovate, aiming for outstanding results that enhance customer service.



ABOUT US

Seven Pulse was born from a deep passion for test stands. Our foundation is built on professionalism, teamwork, interdisciplinary expertise, and mutual respect.

We aspire to be a cutting-edge company in mechatronics, capable of tackling the challenges of mechanical and fluidic system testing with intelligent, onboard solutions.



Aerospace

R&D - Qualification

ATP - MRO

- Universal test stands for hydraulic systems and subsystems (MIL-PRF fluids, Skydrol and more)
- Test stands for linear and rotary electromechanical actuators
- Test stands for aircraft fuel components and systems JP-4 and JP-8
- Landing gear test benches
- Impulse test benches with and without climatic chambers
- HPS (Hydraulic Power System) component filling and flow benches
- Mobile hydraulic power units for aircraft: single or dual system
- Iron Bird per HPS e FCS
- Test stands for aircraft and helicopter power transmissions (MGB, IGB, TGB, AGB)

Automotive & E-Mobility

R&D - EOL

- Test stands for traditional and hybrid transmissions
- E-axle test stands
- Test stands for electric motors and drives
- Test stands for radiators and cooling system components
- Test stands for braking system components
- Test stands for A/C flexible hoses
- Impulse test stands with controlled fluid temperature and environment: chamber temperature, and humidity
- NVH analysis





Agriculture

R&D - EOL

- Test stands for transmissions
- Test stands for axles
- Test stands for PTO
- Test stands for lift systems
- Test stands for brakes
- Test stands for flexible hoses, static tests, impulses, endurance
- Steering unit & steer by wire
- Test stands for quick coupling



Fluid Power

R&D - EOL

- Test stands for pumps
- Test stands for hydraulic motors
- Test stands for servo valves
- Test stands for proportional valves
- Test stands for solenoid valves
- Test stands for distributors
- Test stands for quick coupling (ISO 18869)
- Impulse test stands - static and dynamic - (SAE J343, ISO 6803, ISO 6605, ISO 6772)
- Burst test stands (SAE J343, ISO 18869, ISO 1402)
- Test stands for proof test and flushing
- Test stands for filters (ISO 3724, ISO 2941, ISO 3968)

PULSE 1

Static Impulse Testing
Up to 1 pcs 2"



PULSE 2

Static Impulse Testing
Up to 1 pcs 3"



PULSE 3

Static & Dynamic
Impulse Testing

CUSTOMIZABLE FEATURES

- Hot / Cold test chamber
- Fluid temperature control
- Various test fluids

impulse test

PULSE 4/5

Test big diameter hoses
Up to 6 pcs 2"
Static only (Pulse 5)
Static & Dynamic (Pulse 4)



PULSE 6

High-pressure
Test up to 2000 bar



PULSE X

High pressure
& High power
Up to 1 pc 1"1/2 @ 1137 bar



BURST 4

Test up to 4000 or 6000 bar
Available in Without Ends version
to test hoses without fittings



PROOF X-WE

For hoses manufacturers: test the entire production
hose coils, by crimping heads, up to 1500 bar.



PROOF 4

Perform proof test, flushing
and contamination monitoring on
hose assemblies, tubes and coils.

h y d r a u l i c v a l v e s

PROPORTIONAL CARTRIDGE VALVES



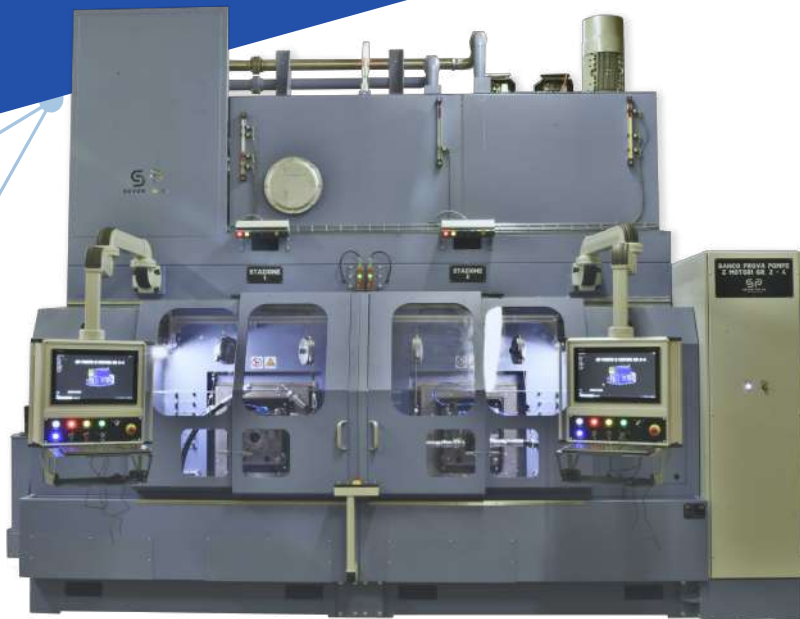
SOLENOID CARTRIDGE VALVES



OVERCENTRE VALVES



**GEAR PUMPS
AND MOTORS**



**HYDRAULIC
PISTON MOTORS**



f i l t e r s



a e r o s p a c e

**FUEL
PUMPS**



**MULTIPURPOSE
HYDRAULIC
TEST STAND**



**FUEL
NOZZLES**



**PULSE1-WG0
IMPULSE TEST
WITH HFC / PG25**



**BURST1-WG0
BURST TEST
WITH HFC / PG25**



**UQD-UQDB
COUPLINGS**

**PRESSURE DROP
SEAL-WASHOUT**

CUSTOMIZABLE FEATURES

- Hot / Cold test chamber
- Fluid temperature control



a f t e r s a l e s

- ◆ Remote Technical assistance
- ◆ Training
- ◆ Spare parts
- ◆ Maintenance
- ◆ Service Level Agreement
- ◆ Worldwide on-side Technical assistance
- ◆ Calibration
 - Pressure transducers
 - Temperature transducers
 - Electrical chains

Seven Pulse strategy is to make connections and partnerships with those technical companies located on strategic parts of the world.

This strategy is finalized to reach foreigners customers with a reliable on-site support and spare parts on the shortest time possible.



U.S.A.
Schena Group Inc.

Sales network
and after sales



Seven Pulse Testing Technologies
(Suzhou) Co., Ltd,

Production plant - spare parts
after sales - 500 sq



global network



Italy
Seven Pulse s.r.l.

Headquarter
Main production plant

India
**Adams Technologies
Pvt. Limited**

Sales network
Spare parts and technical
service with branches
in Bengaluru | Pune |
New Delhi | Hyderabad |
Ahmedabad | Chennai

China
**Seven Pulse Testing
Technologies
(Suzhou) Co., Ltd.**

New production plant
Sales network
Spare parts
and technical service

Taiwan
Core Rock Inc.

Sales network
and after sales
in Taiwan

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