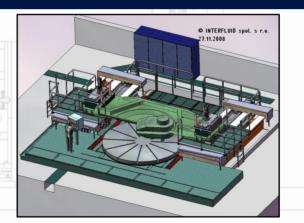


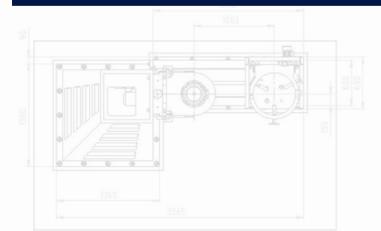


#### Turning imagination into innovation...









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# OUR Expertise & Innovation





"An engineering company

and your business partner in research, development, design, and implementation of machine prototypes and their propulsion systems, utilizing **hydraulic**, **pneumatic**, **or electric energy** transfer mechanisms with control systems for regulating machine output parameters"

"Founded in 2001, we began with a vision to serve as a leading technical-engineering company in the Czech and Slovak market."

"We apply our technical and technological expertise in the design, production, and assembly of

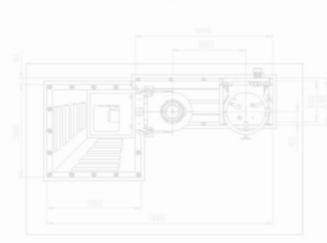
in the design, production, and assembly of manufacturing machinery and systems. Partnering with leading Czech and European companies, we deliver optimized solutions with high operational reliability and longevity. Our comprehensive services include full-scale maintenance and repairs to ensure lasting performance."

More than
> 750
Unique
projects

100% our own Know-How

Partnership with = 3 universities

More than
> 3
markets







## OUR Clients





"Here are some featured clients we have worked with and help them achieve what was needed"

















**OSTROJ** 





And counting...

# OUR Services

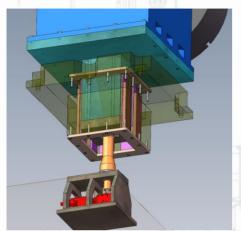


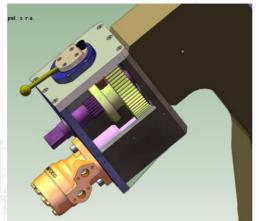
## SYSTEM DESIGN SolidWorks





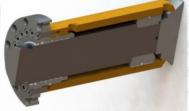
A good design is the most important part of a well-functioning machine. Our design work was carried out in 3D CAD software SolidWorks.

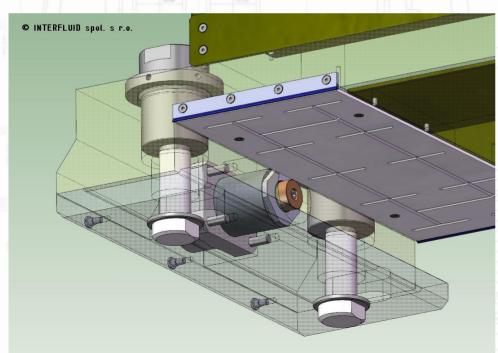


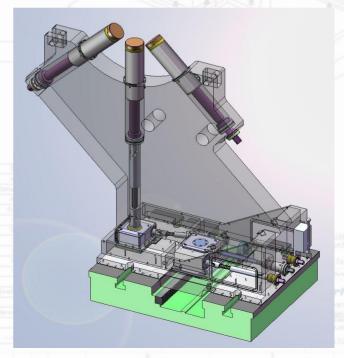




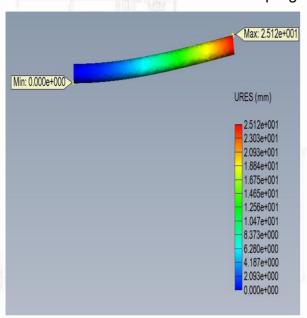


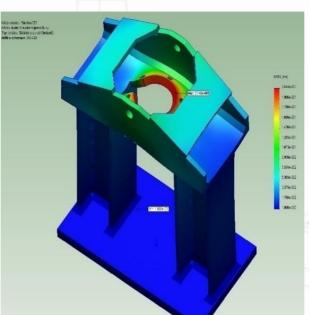


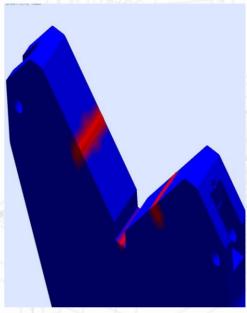


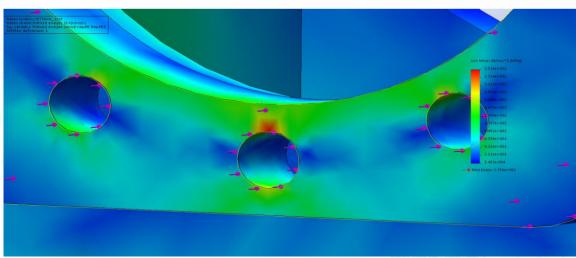


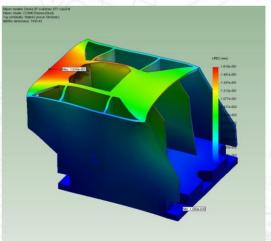
All the key components of our equipment are checked using the FEM method in the Solidworks Simulation / Cosmos program.





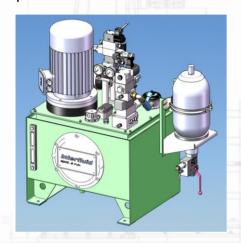




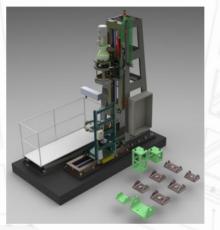


#### **CONSTRUCTION AND ON-SITE REALIZATION**

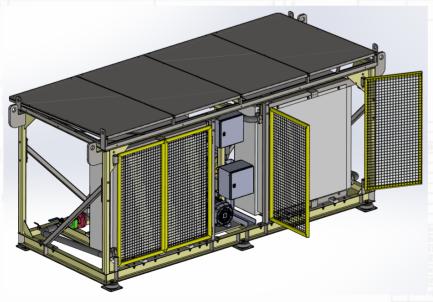
From concept to completion, we deliver bespoke engineering solutions. We design, build, and implement specialized machinery for construction and manufacturing. Projects are tailored for precision, efficiency, and real-world performance.













#### **MAINTENANCE AND SERVICE**

We provide expert service, modernization, and renovation of hydraulic and pneumatic systems, ensuring reliability and efficiency through advanced diagnostics and tailored solutions.















### **RESEARCH AND DEVELOPMENT (R&D)**

Our research and development activities are carried out within EU projects, in close collaboration with leading universities, including VŠB-TU Ostrava, the University of Metz in France, and Žilina University.















#### **SALE OF COMPONENTS**

Interfluid spol. s r.o.

We offer a wide range of hydraulic and pneumatic components through trusted partners. Some are available for direct purchase on our E-SHOP (www.interfluid.com).

For more Inquiries do not hesitate and contact us at: obchod@interfluid.com

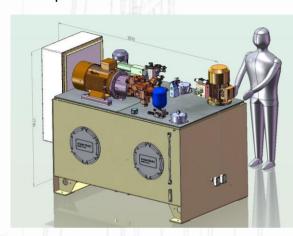
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# PRODUCTCategories



#### SINGLE PURPOSE MACHINES

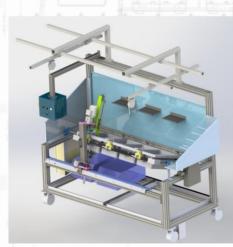
At Interfluid, we design and manufacture custom-built machines tailored to perform specific industrial tasks with maximum efficiency and precision. Check these pictures below from first idea to reality.

















## SINGLE PURPOSE MACHINE - Manufacturing Sector

We design and manufacture custom single-purpose machines for precise operations in construction and light manufacturing—including systems for cavity sliding door production and automated filling of specialty consumer products.







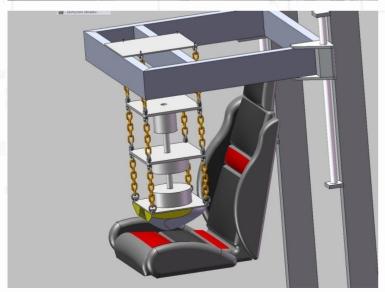


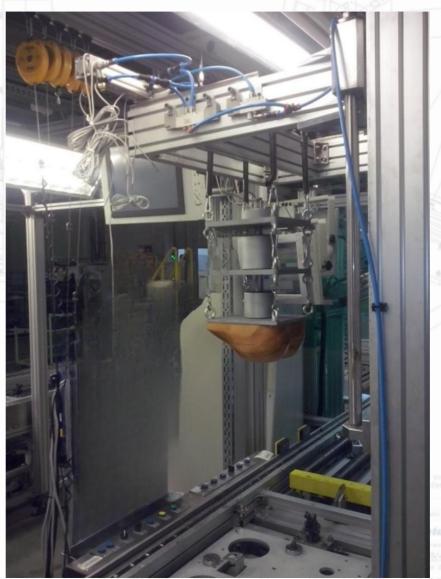


#### **AUTOMOTIVE INDUSTRY**

We design and manufacture custom single-purpose machines for precise operations in automotive industry for testing seats sensors.







#### **ASSEMBLY LINES IN AUTOMOTIVE**

We design and manufacture custom single-purpose machines for precise operations in the automotive sector, focused on bus assembly lines. Our systems include hydraulic lift platforms for vehicle elevation and specialized machines for windshield installation and processing.











## DEVELOPMENT OF TESTING DEVICES FOR AUTOMOTIVE

We design and manufacture testing equipment and single-purpose production machines for the automotive industry. Our solutions support precise assembly operations and functional testing of components.













#### **MOBILE RAIL AND TRACK MACHINES**

We specialize in the reconstruction and servicing of mobile and rail-based machinery. Our expertise covers both mechanical and hydraulic systems across a range of industrial vehicles.









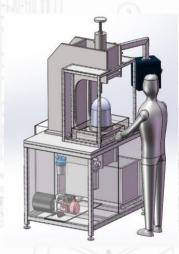


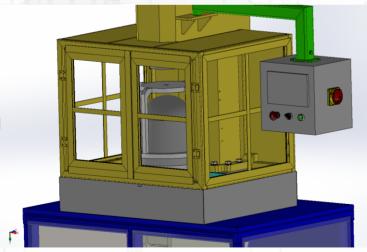
#### **TEST BENCHES AND TEST LINES**

Testing equipment has become an essential part of modern life. As users, we often don't realize how many components are tested and how vital testing truly is. Our testing systems have proven their value across a wide range of industrial sectors.





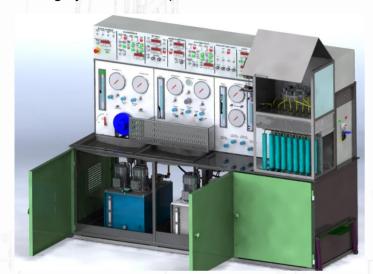




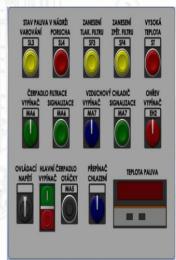


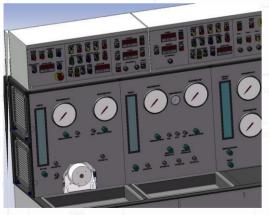
#### TEST BENCHES AND TEST LINES - Air industry

Testing equipment has become an essential part of modern life. As users, we often don't realize how many components are tested and how vital testing truly is. Our testing systems have proven their value across a wide range of industrial sectors.













### **ENTERTAINMENT EQUIPMENT**

We provide hydraulic system development for amusement technology, including the design and production of working prototypes.









#### **INDUSTRIAL LINES**

Interfluid

Innovative solutions powering modern manufacturing. From concept to production—built for performance.











## **INDUSTRIAL LINES - Roller Conveyors**

Equipped with rubber rollers in a unique shape for smooth material transport. Available also in white finish.





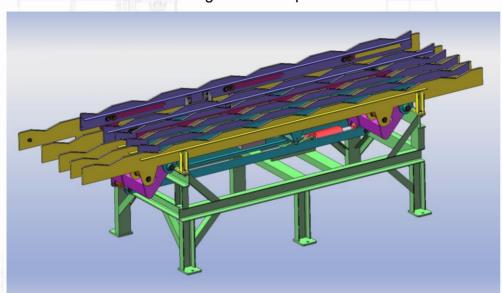






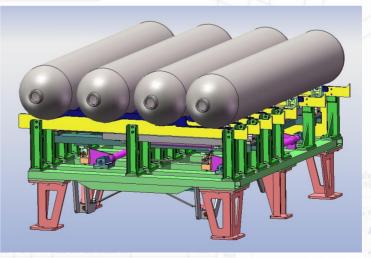
## **INDUSTRIAL LINES - Stepping Conveyors**

Engineered for heavy-duty transport—up to 2000 kg capacity. Precision-built for demanding industrial operations.





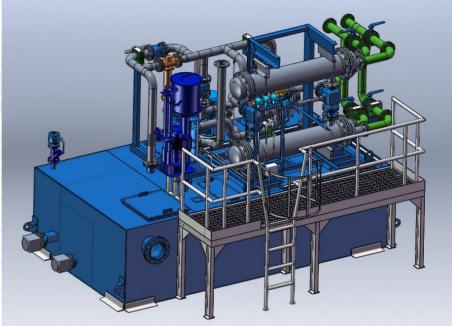




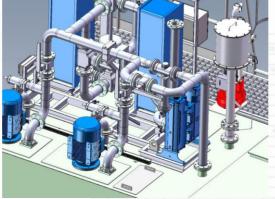
### **LUBRICATION SYSTEMS**

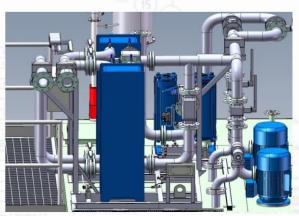
Large lubrication systems with a volume over 10,000 liters. Designed for lubricating turbines and energy equipment.









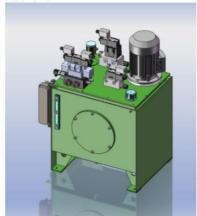


#### **HYDRAULIC AGGREGATES**

Robust and compact units designed for demanding industrial environments. Developed in collaboration with Interfluid to ensure high efficiency, reliability, and easy integration. Ideal for powering presses, lifting systems, and automated production lines.











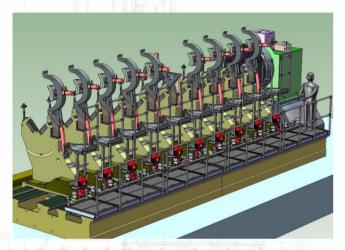




### **MACHINE TOOLS**

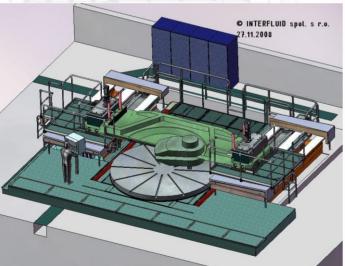
Interfluid

Comprehensive solutions for machining, forming, and automated production. We design and deliver custom systems—from standalone machines to complete lines. Built for precision, durability, and seamless integration into your workflow.





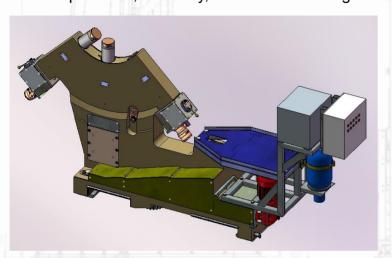






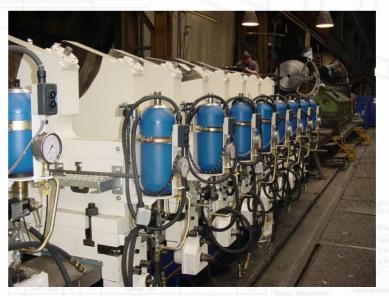
### **MACHINE TOOLS**

Comprehensive solutions for machining, forming, and automated production. We design and deliver custom systems—from standalone machines to complete lines. Built for precision, durability, and seamless integration into your workflow.









#### **HIGH PRESSURE HYDRAULICS**

Specialized systems designed for extreme force and precision control. Ideal for forming, clamping, and heavy-duty applications. Engineered for reliability in the most demanding industrial environments.









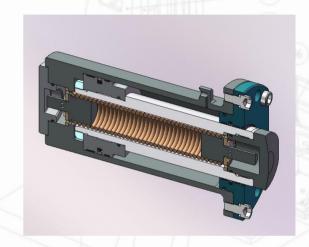
#### **HYDRAULIC CYLINDERS**

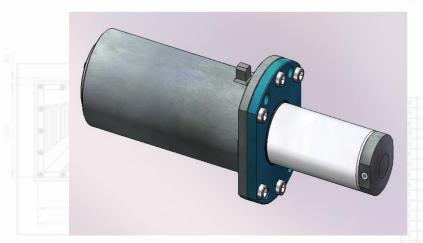
Interfluid

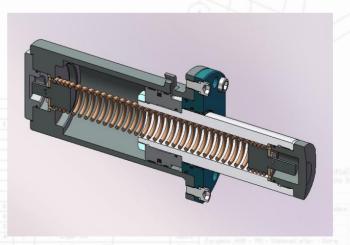
Precision-built for powerful, linear motion in industrial systems. Custom dimensions, stroke lengths, and mounting options to fit your exact needs. Designed for durability, high pressure, and seamless integration into your machinery.











#### **CONSTRUCTION OF PIPELINES**

Complete pipeline systems tailored for hydraulic, pneumatic, and process applications. From design and prefabrication to on-site installation. Built to meet the highest standards of safety, durability, and performance.













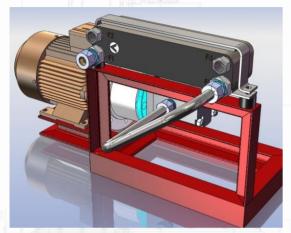


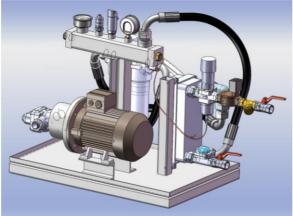


#### **COOLING AND FILTRATION SYSTEMS**

Interfluid

Engineered to maintain optimal fluid temperature and purity in demanding operations. Custom-built units with integrated pumps, filters, and heat exchangers. Reliable performance for hydraulic, lubrication, and process fluid systems.















#### **HYDRAULIC PRESS**

In-house design, unified series in 20, 50, and 100-ton variants—also available in exproof versions. One of the oldest forming tools in history, still essential in modern manufacturing. Robust, reliable, and built for precision in every movevement.













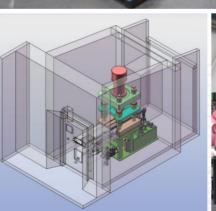


#### **HYDRAULIC PRESS – MILITARY INDUSTRY**

In-house design, unified series in 20, 50, and 100-ton variants—also available in exproof versions. One of the oldest forming tools in history, still essential in modern manufacturing. Robust, reliable, and built for precision in every movement.







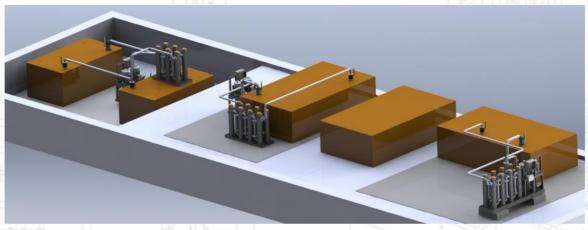




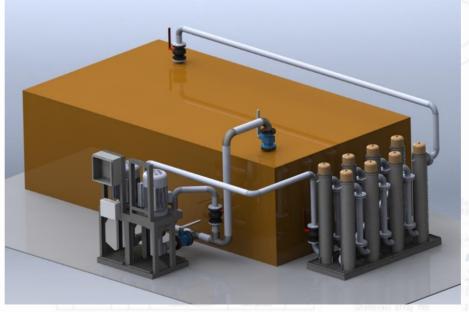
#### **ELECTRICAL HEATING SYSTEMS**

Custom-designed units for precise and efficient thermal control in industrial processes. Integrated with pumps, tanks, and automation for seamless operation. Ideal for applications requiring clean, reliable, and consistent heat delivery.







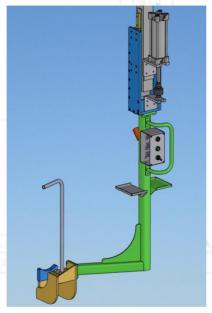


#### PNEUMATICS AND PNEUMATIC SYSTEMS

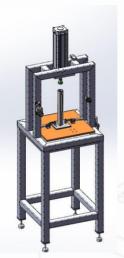
Custom pneumatic solutions—from design and simulation to final assembly. Efficient, reliable, and tailored for automation, handling, and control applications. Built to meet the demands of modern industry with precision and speed.

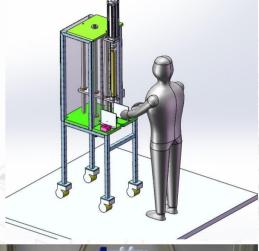














#### **CONTROL SYSTEMS**

Turnkey solutions including electrical wiring, control panels, and automation. Custom-built for each application—ensuring safety, precision, and reliability. From simple start/stop logic to complex multi-axis regulation.













#### **PERFORMANCE AND DIAGNOSTICS**

Advanced tools for measuring, analysing, and optimizing system performance. From torque sensors to software diagnostics—precision data at every stage. Essential for commissioning, maintenance, and continuous improvement.









