

Always one step ahead



CHARVAT
HYDRAULICS



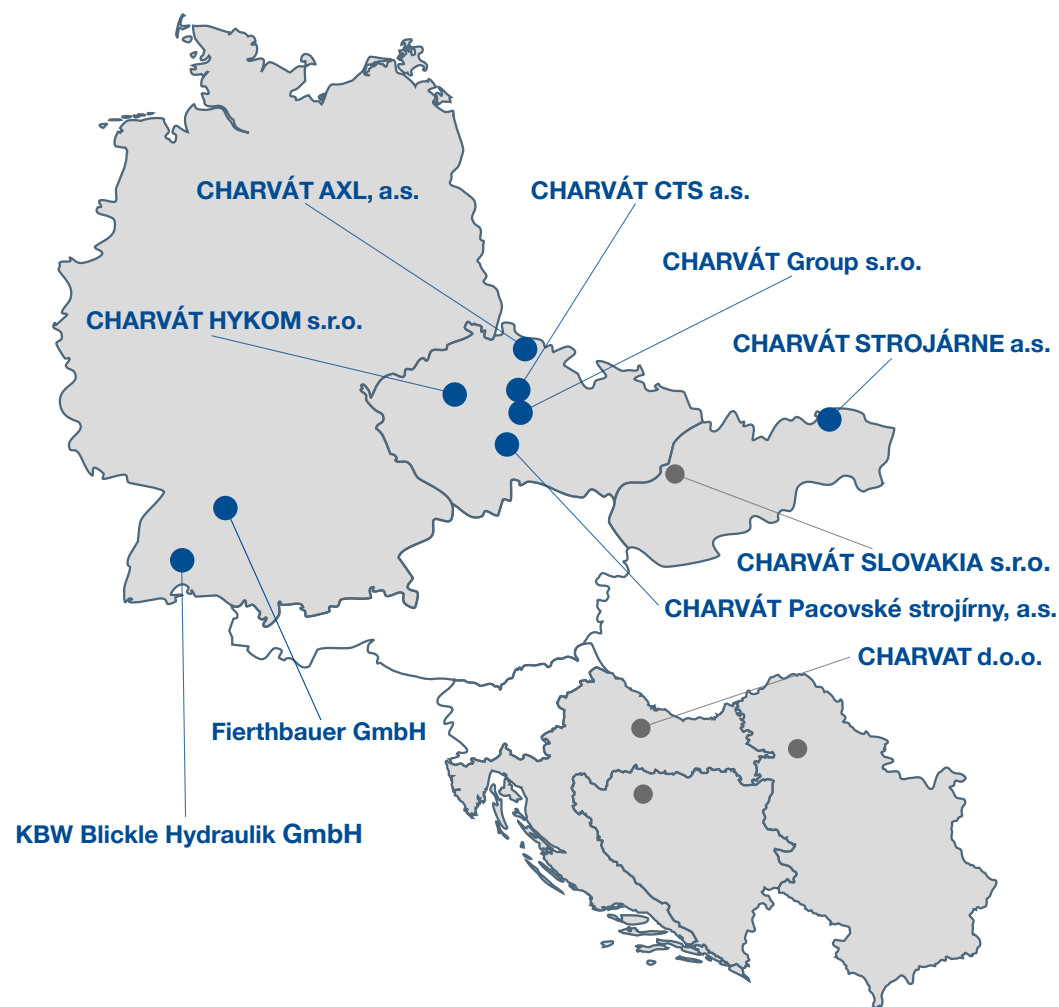
Always one step ahead

In addition to a complete range of hydraulics, the companies of the CHARVÁT Group also offer container lifts, machining oils, aircraft landing gear and equipment for the food, pharmaceutical, chemical and energy industries. Of particular importance are the production technologies that the Group has at its disposal: its own tool room, modern CNC machining, robotic welding workplaces and chemical and heat treatment processes.

140 Turnover in millions of EUR

60 000 Production area in m²

1 100+ Number of employees



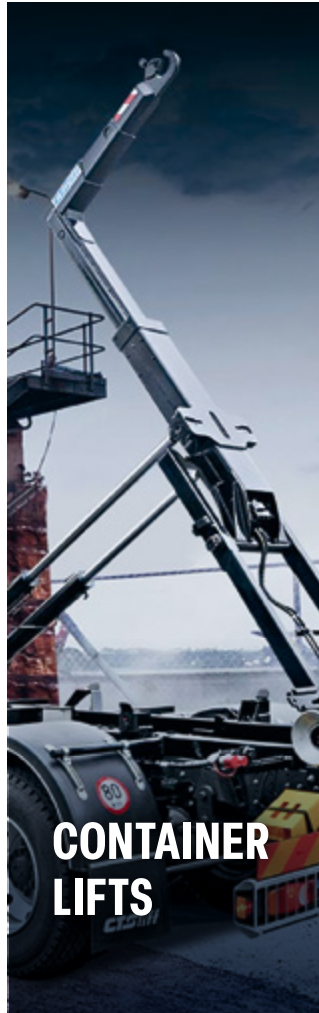
OUR PRODUCTS



**HYDRAULIC
SYSTEMS**



**HYDRAULIC
POWER
UNITS**



**CONTAINER
LIFTS**



**INDUSTRIAL
FLUIDS**



**AIRCRAFT
LANDING
GEAR**



**STAINLESS
STEEL
EQUIPMENT**

PRODUCTION COMPANIES



CHARVÁT GROUP

- Hydraulic cylinders
- Hydraulic hoses
- Manipulated tubes



CHARVÁT STROJARNE

- Hydraulic cylinders (large series)



CHARVÁT AXL

- Special hydraulic cylinders
- Aircraft landing gears



CHARVÁT HYKOM

- Hydraulic power units
- Hydraulic components distribution



CHARVÁT CTS

- Container lifts



CHARVÁT PACOVSKÉ STROJÍRNY

- Equipment for breweries, food, pharma and chemical industries



CHARVÁT GROUP OPAVA

- Fittings
- Hydraulic hoses
- Hydraulic power units



FIERTHBAUER DE

- Hydraulic hoses
- Hydraulic components distribution



KBW BLICKLE DE

- Hydraulic power units

HYDRAULIC CYLINDERS

CAPACITY 20.000 pcs / month

CHARVÁT Group

CHARVÁT AXL

CHARVÁT STROJÁRNE





We are the leading manufacturer of hydraulic cylinders in Europe. We focus on both mass production and customised cylinders according to customer requirements. We produce cylinders in three plants according to cylinder dimensions, series size and complexity. We are equipped with 150 CNC machine tools and the most modern technologies for cylinder production.

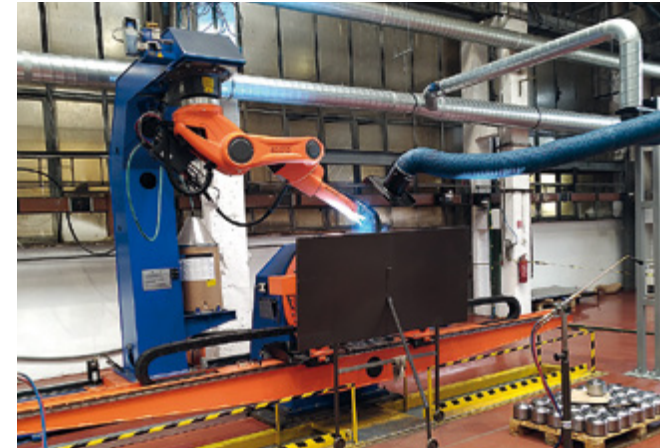
HYDRAULIC CYLINDERS



- Robotic workplace



- Deep drilling machine with roller burnishing by TACCHI



- Automated welding shops



- CNC machines MAZAK



- Washing



- CNC machines DOOSAN PUMA 700

HYDRAULIC CYLINDERS



- Friction welding machine



- Pressure, functional and cleanliness test



- Automated welding shops

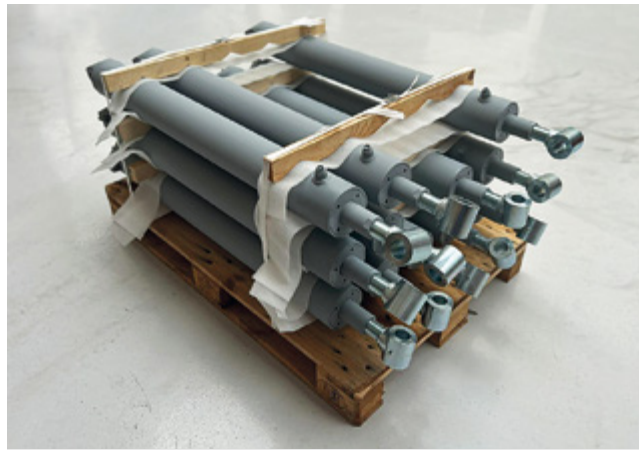


- Wide range of RAL colours

HYDRAULIC CYLINDERS



- Agriculture



- Construction Machines



- Agriculture



- Construction Machines



- Construction Machines

HYDRAULIC HOSES

CAPACITY 100.000 pcs / month

CHARVÁT Group

CHARVÁT Group Opava

FIERTHBAUER DE



HYDRAULIC HOSES

Assembly hydraulic hoses



- 8 semi-automatic pressing machines for big series



- manual pressing machines Techmaflex and Uniflex



- Automated fittings manufacturing



- Multi-spindle lathes for mass production of fittings



- Automated warehouse



We manufacture hydraulic hoses for the largest customers in Europe. Our advantage is the mass production of hoses on 8 semi-automatic lines. Smaller series are produced on the Techmaflex and Uniflex presses. We place great emphasis on hose purity, which we evaluate in our laboratory. We only use hose materials from European manufacturers and we regularly test their quality in our pulsation testing room. We produce the end fittings on multi-spindle machines.

HYDRAULIC HOSES

Own laboratory and testing



- Laboratory for solid particle measurement



- Gravimetric cleanliness analysis



- Microscope + test result according VDA19



- Pulsation testing machine



- Testbench GH 4000



- Salt test bench

MANIPULATED TUBES

CAPACITY 50.000 pcs / month

CHARVÁT Group



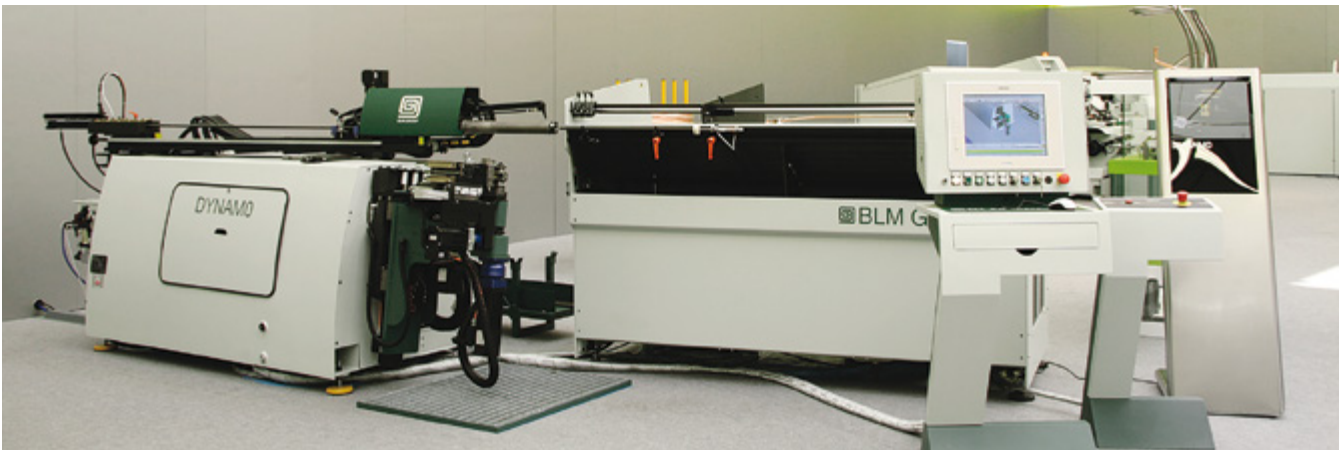
MANIPULATED TUBES



- KUKA robotic cell for large production series



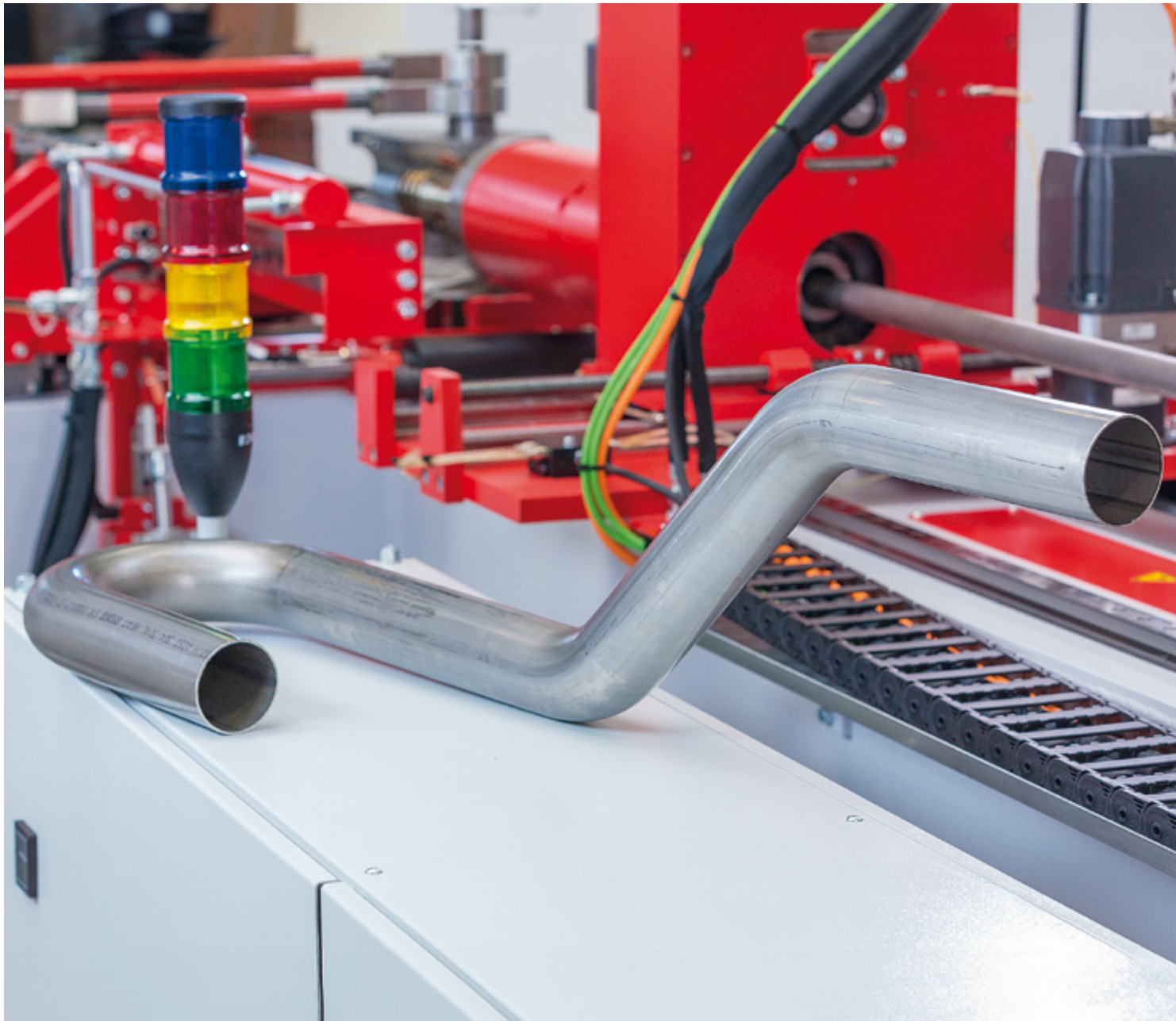
- TRANSFLUID bending machine for tube diameters up to 90 mm



- Bending machines BLM



- TRANSFLUID bending machine for tube diameters up to 42 mm



We manufacture bent tubing for a wide range of applications. In addition to hydraulic lines, we bend tubes for pneumatic lines, cooling systems and machine frames. We have 5 BLM and Transfluid bending machines in our production facilities. For series production we use the KUKA robotic workstation. We check the accuracy of the bent tubes with a measuring arm.

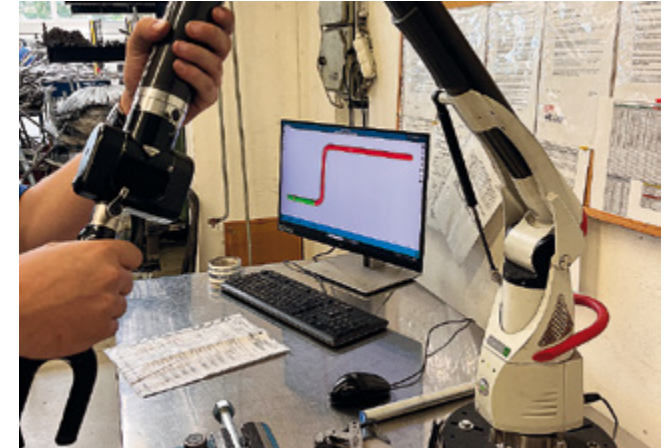
MANIPULATED TUBES



- Fittings WalForm – VossForm – ORFS and UNF



- Bending machine BLM E TURN 32 + robot KUKA



- 3D laser measuring ROMER



- Stainless steel tubes



- Hydraulik tubes



- WalForm, VossForm, and ORFS tube end forming systems

TUBE FITTINGS + KANBAN SYSTEM





Our Kanban warehouses supply a full range of fittings, quick couplings, tube clamps, and measuring instruments. Unlike conventional Kanban systems, we use weight sensors integrated with ARIMS software to continuously monitor stock levels in real time.

Automatic consumption tracking

Automatic order creation



Refill at the point of use

Consolidation and shipment



HYDRAULICS POWER UNITS

CHARVÁT HYKOM
KBW BLICKLE



HYDRAULICS POWER UNITS



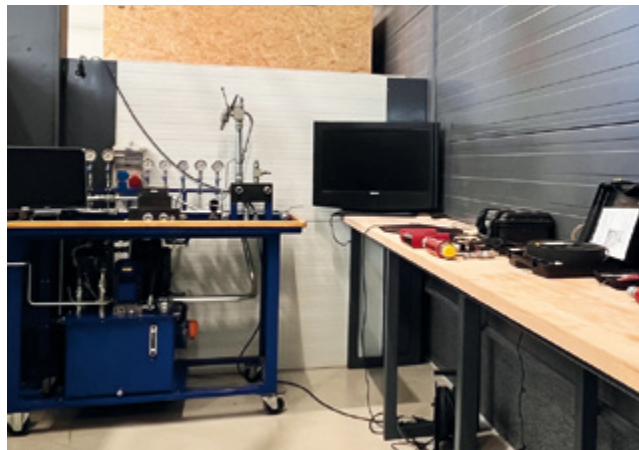
- Assembly of hydraulic power units



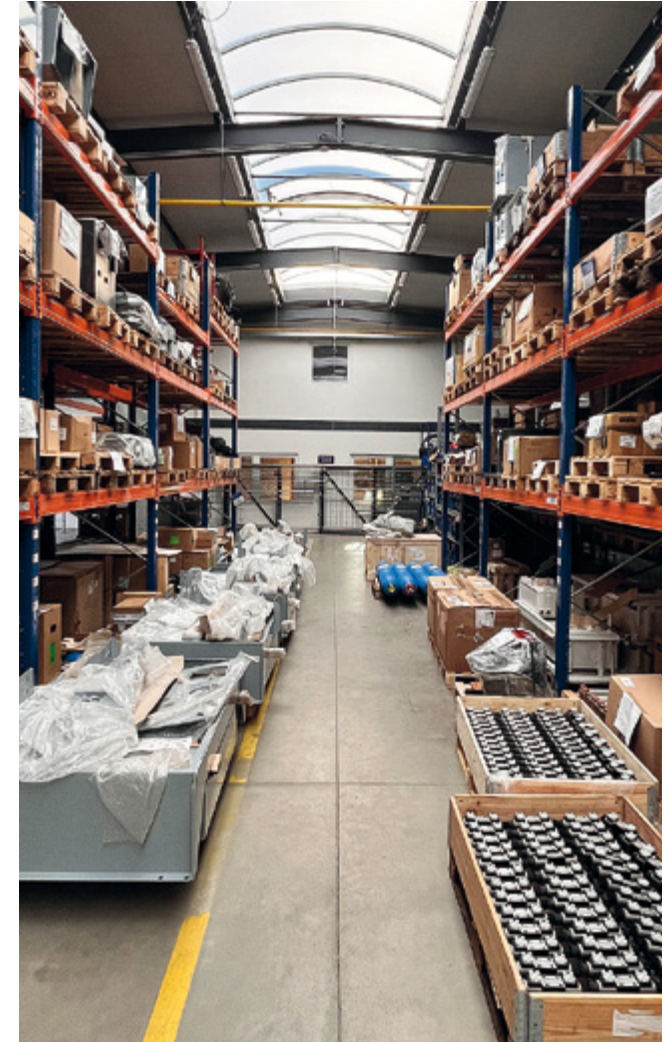
- Our production is equipped with a Walform system, a pipe bending machine, and a hose crimping machine



- Test area with a testing unit



- Inspection and diagnostics



- Large warehouse of hydraulic components



We manufacture hydraulic aggregates for a wide range of applications – in power engineering, water works, airport technology, engineering, etc. We supply hydraulic components from leading European manufacturers. Our production company CHARVÁT HYKOM s.r.o. in Rakovník specialises in the production of hydraulic aggregates.

HYDRAULICS POWER UNITS



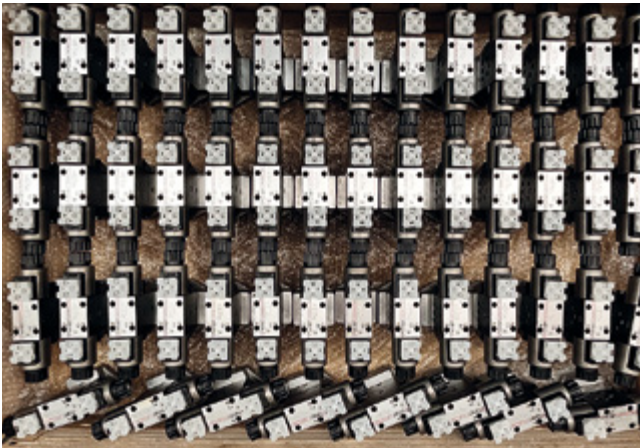
- Installation of hydraulic systems worldwide



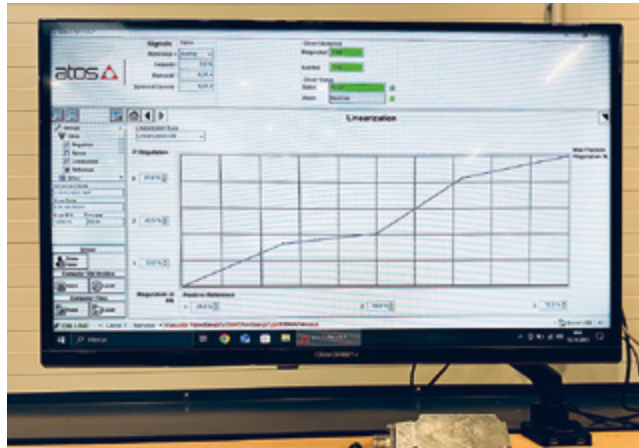
- Service vehicles equipped for hydraulic installation and maintenance



- Service vehicles equipped for hydraulic installation and maintenance



- Supply of components and assembled blocks



We are the exclusive distributor and servis center for Atos components



- Supply of hydraulic tanks

CHARVÁT Group s.r.o.

CHARVÁT AXL, a.s.

CHARVÁT CTS a.s.

CHARVÁT SLOVAKIA s.r.o.



CHARVÁT HYKOM s.r.o.

CHARVÁT d.o.o.

KBW Blickle



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