

# DESIGN AND PRODUCTION OF HYDRAULIC SYSTEMS FOR INDUSTRIAL EQUIPMENT



**Examples of Completed  
Customised Projects**



**MOTORIMPEX**



## HYDRAULIC POWER UNIT SERIES 2297

- Hydraulic power unit for the drive of the modified milling vertical machine 65A80 with a rotating table



## HYDRAULIC POWER UNIT SERIES 1727

- Hydraulic power unit for the wheel-milling machine from the KZh family, which processes wheelsets without rolling them out from under the locomotive

CASE STUDY



## HYDRAULIC POWER UNIT SERIES 1933

- Hydraulic power unit for metallurgical equipment, rolling equipment, and rolls of rolling mills



## HYDRAULIC POWER UNIT SERIES 2233

- Designed for automated equipment used for profile bending, cutting and rolling, as well as other specialized processing machinery

YouTube



HEAVY MACHINERY MANUFACTURING



## HYDRAULIC POWER UNIT SERIES 1551

YouTube



- Hydraulic power unit for the hydraulic system of a stationary manipulator, supporting idle movement and high-force repositioning



MACHINERY MANUFACTURING

## HYDRAULIC POWER UNIT SERIES 1130 FOR „NIBULON MAX“

- Hydraulic system of the self-propelled loader for opening and closing hatch covers



CE-certified  
hydraulic power units,  
valid to 2029



SHIPBUILDING



## HYDRAULIC POWER UNIT SERIES 2301

- Hydraulic system for stationary manipulator installation (rock breaker, hydraulic hammer) at mining enterprise



## HYDRAULIC POWER UNIT SERIES 1870

- Control system for dampers with hydraulic drive. Operates in manual (control cabinet) and remote modes



YouTube



## HYDRAULIC POWER UNIT SERIES 550

- Pump station for lifting mine installation. Features a dual-circuit modular design—two independent controlled braking groups



## HYDRAULIC POWER UNIT SERIES 2357

- Hydraulic power unit used in waste incineration technology and energy recovery



## HYDRAULIC POWER UNIT SERIES 1599

- Hydraulic power units for forging-press and heat treatment equipment, steel casting ladle stands, lifting-transport and energy equipment



## HYDRAULIC POWER UNIT SERIES 2044

- Hydraulic system for the circulating lubrication of support rollers of tube furnaces. Working fluid: I-50 oil, which has a kinematic viscosity of 90-110 mm<sup>2</sup>/s at 40 °C





## HYDRAULIC POWER UNIT SERIES 2301

- Hydraulic system "Live Bottom" – drive for the movable floor of a mechanized fuel storage for boiler plants using chips and sawdust



THERMAL POWER

## HYDRAULIC POWER UNIT SERIES 2129

- Electrically controlled hydraulic power units for hydraulic presses across a wide range of forces. With one or two control pedals



HYDRAULIC PRESS MANUFACTURING



## HYDRAULIC POWER UNIT SERIES 2557

- Designed for the BA-1330 press used for compacting metal shavings and scrap. We also design and produce custom hydraulic power units for various hydraulic presses, including BA, U2706, D2430, P6330, and the DA..., DB..., PD... series



HYDRAULIC PRESS MANUFACTURING

## COMPACT HYDRAULIC POWER UNIT SERIES 1592

- ▶ Compact hydraulic power units. Equipped with pressure multipliers from the Italian manufacturer "miniBOOSTER".
- ▶ Maximum working pressure: 150 MPa



ENERGY



### CASE STUDY



## HYDRAULIC POWER UNIT SERIES 751

- ▶ Hydraulic control systems for the guide vane and blade rotation of Kaplan turbines. Working pressure: 15 MPa
- ▶ 55 L hydraulic accumulator



HYDROPOWER

## HYDRAULIC POWER UNIT SERIES 1359

- ▶ Hydraulic butt welding device with manual control for use in the welding process of PP, PE, and PVDF pipes.



HOUSING AND COMMUNAL SERVICES



## HYDRAULIC POWER UNIT SERIES 2251

- Designed for wagon, truck and flow grain sampling systems used at grain elevators



AGRICULTURE

## HYDRAULIC POWER UNIT SERIES 1369

- Hydraulic systems for technological lines in the production of bricks, reinforced concrete, cement, slate, asbestos-cement pipes, etc.



BUILDING MATERIALS INDUSTRY



YouTube



## HYDRAULIC POWER UNIT FOR LOG SPLITTERS

- Hydraulic power units with manual control for log splitters



WOODWORKING INDUSTRY

## HYDRAULIC POWER UNIT SERIES 1960 FOR LOG SPLITTING COMPLEX

- ▶ Hydraulic power unit for log splitting complex for sawing logs up to 550 mm in diameter and splitting firewood lengths of 200-400 mm



WOODWORKING INDUSTRY

## HYDRAULIC POWER UNIT SERIES 1660

- ▶ Hydraulic power unit designed for specialized hydraulic pressing equipment



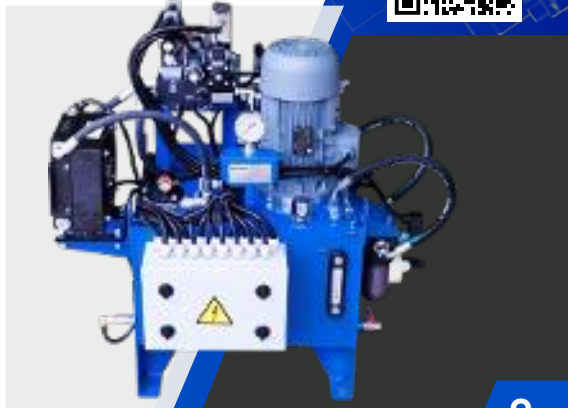
MACHINE BUILDING

## HYDRAULIC POWER UNIT SERIES 1764

- ▶ Hydraulic system of the stand for testing high-pressure hoses.
- ▶ Pressure: 150 MPa. Working fluid: AMG 10 oil.
- ▶ Temperature of the fluid supplied to the hoses: 150°C



AVIATION MANUFACTURING



YouTube



## HYDRAULIC POWER UNIT FOR LUBRICATING SERIES 1895

- Hydraulic power units for lubricating the drive reducers of belt conveyors at quarries



MINING INDUSTRY

## HYDRAULIC POWER UNIT FOR LUBRICATING SERIES 1578

- Lubrication systems for the motors of exhaust fans of converter gases, crawler trolleys, ore mills, drum pelletizers, etc.



EXTRACTION AND PROCESSING INDUSTRIES



## HYDROACCUMULATOR STATIONS

- Hydraulic accumulator stations designed to supply stored hydraulic fluid during emergency operating conditions



HYDRAULIC EQUIPMENT SAFETY

## HYDRAULIC RAIL FASTENING WRENCH

- Designed for railway track installation and maintenance, providing controlled tightening and loosening with adjustable torque up to 900 N·m in two configurations

CASE STUDY



RAILWAY



CASE STUDY



## VULCANIZING PRESS HYDRAULIC SYSTEM

- Hydraulic system for a 300-ton heated-platen vulcanizing press with rapid approach and pressing modes, automatic pressure maintenance, re-pressing and PID temperature control



MACHINERY MANUFACTURING

## UNDERFLOOR HYDRAULIC DRIVE SHAFT JACK

- Mobile hydraulic lifting unit for locomotive drive shaft maintenance, combining a 500 kg load capacity, 800 mm lifting stroke, integrated hydraulic power unit and remote control for operation in limited space

CASE STUDY



RAILWAY





# MOTORIMPEX



CE-certified  
hydraulic power units,  
valid to 2029

Our social media:



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