

ULTRA
HIGH
PRESSURE
SYSTEMS



PONAR Wadowice brand

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BRAND OF PONAR PRESSURE

PONAR Pressure is a brand of ultra-high pressure water hydraulics systems of PONAR Wadowice SA. We offer modular and individual solutions utilising ultra high pressure water technology. Our solutions are efficient, effective, customised to meet Customer's expectations and environmentally friendly.

PONAR Pressure brand stands for experience, creativity in approach towards applications of high pressure water hydraulics. Our services find a variety of applications in all industries requiring precision of work and reliability of the systems. Moreover, our systems can be used in areas exposed to a risk of explosion and *no-man entry* areas.

We are a member of the **European Water Jetting Institute**, an organisation bringing together business entities, carrying out research on using highly pressurised water in the industry.

The quality of the product is guaranteed by **PONAR Wadowice SA**, a company that for more than 50 years has been one of the largest producer of oil hydraulics elements and systems in Poland, supplying its products not only on the domestic but also on the foreign markets, cooperating with reliable Partners, the leaders in their field.



CONSTRUCTION OF ULTRA-HIGH PRESSURE SYSTEMS

We offer a complete construction of ultra-high pressure systems, including delivery of properly selected accessories, control and technical service.

The company carries out projects based on individual Customer's requirements. Thanks to that, our solutions fulfil its purpose and find applications in many different projects which require a functional expansion.

We manufacture systems in any housing, with electric or diesel engines. All applications are made with using components of the leading domestic and foreign producers. This results directly in longer lifetime of the produced devices and their many years of reliability.

The systems designed and manufactured by our company are always tested on special test rigs, which guarantees the proper functioning of all elements of the system and their material durability



ULTRA-HIGH PRESSURE SYSTEMS

HP PONAR JETtrolley 500/16 EL unit



unit type: industrial

body type: open, frame with metal-rubber wheels (one steering axle)

working pressure: up to 500 bar

water flow: 16 l/min

drive: electric (MOLL), 15 kW, 63A or 32A plug, 5 m cable

high pressure pump: plunger

control valve: yes, mechanical

safety valve: yes

standard accessories: yes (details at the manufacturer)

warranty: 12 months

delivery time: to be confirmed

HP PONAR JETtrolley 500/20 EL unit



unit type: industrial

body type: open, frame with metal-rubber wheels (one steering axle)

working pressure: up to 500 bar

water flow: 20 l/min

drive: electric (MOLL), 18,5 kW, 63A plug, 5 m cable

high pressure pump: plunger

control valve: yes, mechanical

safety valve: yes

standard accessories: yes (details at the manufacturer)

warranty: 12 months

delivery time: to be confirmed

HP PONAR JETtrolley 500/20 BS unit



unit type: industrial

body type: open, frame with metal-rubber wheels

working pressure: up to 500 bar

water flow: 20 l/min

drive: benzine engine (B&S), 31 KM

high pressure pump: plunger

control valve: yes, mechanical

safety valve: yes

standard accessories: yes (details at the manufacturer)

warranty: 12 months

delivery time: to be confirmed

ULTRA-HIGH PRESSURE SYSTEMS

HP PONAR JETtrolley 500/30 EL unit



unit type: industrial

body type: open, frame with metal -rubber wheels (one steering axle)

working pressure: up to 500 bar

water flow: 30 l/min

drive: electric (MOLL), 30 kW, 63A plug, 5 m cable

high pressure pump: plunger

control valve: yes, mechanical

safety valve: yes

standard accessories: yes (details at the manufacturer)

warranty: 12 months

delivery time: to be confirmed

HP PONAR JETtrolley 500/30 ELF pro unit



unit type: industrial with inverter

body type: open, frame with metal -rubber wheels (one steering axle)

working pressure: up to 500 bar

water flow: 30 l/min

drive: electric (MOLL), 30 kW, 63A plug, 5 m cable

high pressure pump: plunger

control valve: yes, mechanical

safety valve: yes

standard accessories: yes (details at the manufacturer)

warranty: 12 months

delivery time: to be confirmed

HP PONAR JETtrolley 1000/15 EL unit



unit type: industrial

body type: close, frame with metal -rubber wheels (one steering axle)

working pressure: up to 1000 bar

water flow: 15 l/min

drive: electric (MOLL), 30 kW, 63A plug, 5 m cable

high pressure pump: plunger

control valve: yes, mechanical

safety valve: yes

standard accessories: yes (details at the manufacturer)

warranty: 12 months

delivery time: to be confirmed

ULTRA-HIGH PRESSURE SYSTEMS

HP PONAR JETbase 1500/60 D unit



unit type: industrial

body type: open

working pressure: up to 1500 bar

water flow: 60 l/min

drive: combustion/diesel, 185 kW

high pressure pump: plunger

control valve: yes

safety valve: yes

standard accessories: yes (details at the manufacturer)

warranty: 12 months

delivery time: to be confirmed

HP PONAR JETbase 2500/30 D unit



unit type: industrial

body type: open

working pressure: up to 2500 bar

water flow: 30 l/min

drive: combustion/diesel, 159 kW

high pressure pump: plunger

control valve: yes

safety valve: yes

standard accessories: yes (details at the manufacturer)

warranty: 12 months

delivery time: to be confirmed

installation of the unit on a trailer



We also offer high-pressure aggregates in the customer's individual configuration, with gasoline internal combustion engine or electric power supply, in stationary or mobile housing.

We would like to inform you that each aggregate can be retrofitted with basic, extended, advanced control recommended by PONAR (advanced controls equipped with the monitoring and prediction module for the technical parameters of the aggregate).

We also offer high-pressure aggregates in the customer's individual configuration, with gasoline internal combustion engine or electric power supply, in stationary or mobile housing.

We would like to inform you that each aggregate can be retrofitted with basic, extended, advanced control recommended by PONAR Wadowice (advanced controls equipped with the monitoring and prediction module for the technical parameters of the aggregate).



Aggregates: on frame, without frame, with cover, base.
PONAR Pressure products are based on modular solutions that facilitate the flexible development of systems and manipulators. Our offer has been extended to:

- high pressure aggregates in any configuration
- manipulators supporting high pressure cleaning
- works dedicated to surface corrosion;
- robots for high pressure forging concrete
- high pressure accessories and specialist protective clothing
- high pressure equipment control and monitoring systems.



ULTRA-HIGH PRESSURE SYSTEMS

Aggregates built on trailers.

We offer comprehensive construction of high-pressure aggregates with the delivery of properly selected accessories, control and technical service. We implement projects based on the individual needs of customers. Thanks to this, our solutions fulfil their task and are used in various projects that require functional development. We make aggregates in any building, with electric or diesel engines.



Aggregates fitted on the truck.

Optimally selected parameters of working pressure and water flow of the high-pressure strip have created a unique cleaning system. This is the first cleaning vehicle of this type in Poland, which can be found when working on sections of newly constructed roadways in the whole country.

ADVANCED PREDICT & CONTROL & MONITORING SYSTEM

Our offer includes a PONARpredict system. It is a system of remote monitoring of machine state, equipped in a module of analysis of operation and prediction. It is one of the most advanced systems allowing to provide diagnostics and protection of drive systems.

PONARpredict is the key module in proactive approach in maintenance and inspections of machinery. It allows for scheduling maintenance works and predict occurrence of possible failures.

Modular construction of the system makes it possible for it to be used in machines. An additional advantage is the ability to access data through the service, which in some cases significantly speeds up the removal of failures, and sometimes even allows its remote removal.



ADVANCED PREDICT, CONTROL AND MONITORING SYSTEMS

PONAR PCU_{basic} (up to 1100 bar)



Basic Control System for external pump unit up to 1100 bar.

- XL4E controller with 3.5-inch display
- parameter sensors allowing the PLC to properly control the operation of the aggregate,
- the service schedule placed in the PLC automatically reminds you of the need for maintenance of the device (however, the reminder function cannot be regarded as documenting the correct maintenance of the machine)

warranty: 12 months

PONAR PCU_{basic} (over 1100 bar)



Basic Control System for external pump unit over 1100 bar.

- XL4E controller with 3.5-inch display
- parameter sensors allowing the PLC to properly control the operation of the aggregate,
- the service schedule placed in the PLC automatically reminds you of the need for maintenance of the device (however, the reminder function cannot be regarded as documenting the correct maintenance of the machine)

warranty: 12 months

PONAR PCU_{pro} (up to 1100 bar)

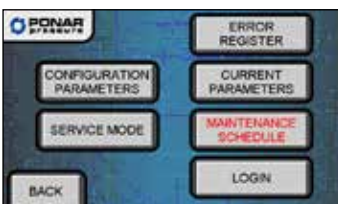


Advanced control and monitoring systems for external pump unit up to 1100 bar.

- XL7E controller with 7 inch display
- parameter transducers allowing the PLC to properly control the operation of the aggregate and giving the user precise operating parameters of the system such as: pump suction pressure, temperature and water level in the buffer tank, air pressure controlling pneumatic valves, flow
- the service schedule placed in the PLC automatically reminds you of the need for device maintenance (the reminder function cannot be regarded as a proof of correct machine maintenance)

warranty: 12 months

PONAR PCU_{pro} (over 1100 bar)



Advanced control and monitoring systems for external pump unit over 1100 bar.

- XL7E controller with 7 inch display
- parameter transducers allowing the PLC to properly control the operation of the aggregate and giving the user precise operating parameters of the system such as: pump suction pressure, temperature and water level in the buffer tank, air pressure controlling pneumatic valves, flow
- the service schedule placed in the PLC automatically reminds you of the need for device maintenance (the reminder function cannot be regarded as a proof of correct machine maintenance)

warranty: 12 months

ADVANCED PREDICT, CONTROL AND MONITORING SYSTEMS

PONARpredict (up to 1100 bar)

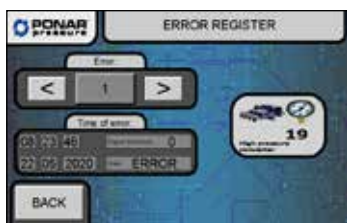


Advanced predict, control and monitoring systems for external pump unit up to 1100 bar.

- XL7E controller with 7 inch display
- parameter transducers allowing the PLC to properly control the operation of the aggregate and giving the user precise operating parameters of the system such as: pump suction pressure, temperature and water level in the buffer tank, air pressure controlling pneumatic valves, flow
- the service schedule placed in the PLC automatically reminds you of the need for device maintenance (the reminder function cannot be regarded as a proof of correct machine maintenance)
- remote monitoring of current parameters and the ability to view historical data, an additional advantage is the ability to access data through the service, which in some cases significantly speeds up the removal of failures, and sometimes even allows its remote removal

warranty: 12 months

PONARpredict (over 1100 bar)



Advanced predict, control and monitoring systems for external pump unit over 1100 bar.

- XL7E controller with 7 inch display
- parameter transducers allowing the PLC to properly control the operation of the aggregate and giving the user precise operating parameters of the system such as: pump suction pressure, temperature and water level in the buffer tank, air pressure controlling pneumatic valves, flow
- the service schedule placed in the PLC automatically reminds you of the need for device maintenance (the reminder function cannot be regarded as a proof of correct machine maintenance)
- remote monitoring of current parameters and the ability to view historical data, an additional advantage is the ability to access data through the service, which in some cases significantly speeds up the removal of failures, and sometimes even allows its remote removal

warranty: 12 months

PONARpredict Annual on-line



Annual online access to the PONARpredict platform - remote monitoring of current parameters and the ability to view historical data, an additional advantage is the ability to access data through the service, which in some cases significantly speeds up the removal of failures, and sometimes even allows its remote removal.

PONARpredict Monthly on-line



Monthly on-line access to PONARpredict platform - remote monitoring of current parameters and the ability to view historical data, an additional advantage is the ability to access data through the service, which in some cases significantly speeds up the removal of failures, and sometimes even allows its remote removal.

MANIPULATORS SUPPORTING CLEANING COMPLETE BUNDLE HEAT EXCHANGERS CLEANING SYSTEMS



Manipulators are a group of specialized semi-automatic pneumatic elements by PONAR Wadowice, enabling the completion of systems ready for work with the use of flexible high-pressure lances.

All PONAR Wadowice manipulators from the FEEDER product group are modular, precise and durable. Their goal is to increase the safety, stability and efficiency of the operator's work. Contribute to reducing the cost of implementing the cleaning project. Technical parameters allow to increase the efficiency several times in relation to the works performed with traditional methods.

The feeders allow you to work with flexible high-pressure lances with various external diameters, while ensuring the maximum speed of the device.

Their optimal dimensions and weight further improve the comfort of cleaning industrial elements. For this purpose, we also recommend complementary accessories such as a balancer.

The modular structure of the feeders allows easy expansion of the device with further lance feeders, thus creating multi-lance PONAR Wadowice solutions. It is worth mentioning that the FEEDER solutions are delivered with complete complementary accessories that allow the use of lances of different diameters and the performance of work on various internal diameters of exchanger tubes or tubular condensers.

MANIPULATORS SUPPORTING CLEANING

FEEDERbox 3in1 Bundle Cleaning System STD

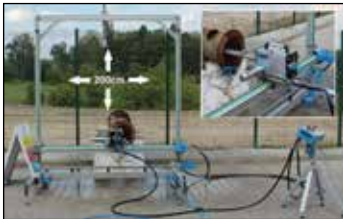


The system includes:

- complex automatic triple FEEDERbox 3in1 flexible lance feeder with a dedicated single pneumatic drive
- complete ALU STD frame for positioning and stabilization with special flange handle and working area 150 x 150 cm
- CP (Control Panel),
- set of keys for assembly,
- manual user instructions EN

warranty: 12 months | delivery time: to be confirmed

FEEDERbox 3in1 Bundle Cleaning System STD+



The system includes:

- complex automatic triple FEEDERbox 3in1 flexible lance feeder with a dedicated single pneumatic drive
- complete ALU STD+ frame for positioning and stabilization with special flange handle and working area 200 x 200 cm
- CP (Control Panel),
- set of keys for assembly,
- manual user instructions EN

warranty: 12 months | delivery time: to be confirmed

FEEDERcombo x2 Bundle Cleaning System STD



The system includes:

- complex automatic triple FEEDERcombo x2 flexible lance feeder with a dedicated single pneumatic drive
- complete ALU STD frame for positioning and stabilization with special flange handle and working area 150 x 150 cm
- CP (Control Panel)
- set of keys for assembly
- manual user instructions EN

warranty: 12 months | delivery time: to be confirmed

FEEDERcombo x2 Bundle Cleaning System STD+



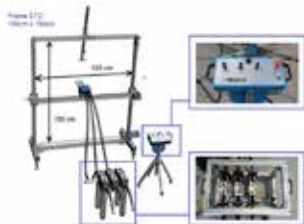
The system includes:

- complex automatic triple FEEDERcombo x2 flexible lance feeder with a dedicated single pneumatic drive
- complete ALU STD+ frame for positioning and stabilization with special flange handle and working area 200 x 200 cm
- CP (Control Panel),
- set of keys for assembly,
- manual user instructions EN

warranty: 12 months | delivery time: to be confirmed

MANIPULATORS SUPPORTING CLEANING

FEEDERcombo x3 Bundle Cleaning System STD

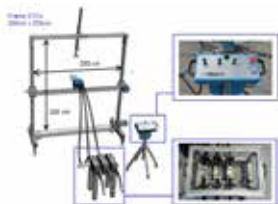


The system includes:

- complex automatic triple FEEDERcombo x3 flexible lance feeder with a dedicated single pneumatic drive
- complete ALU STD frame for positioning and stabilization with special flange handle and working area 150 x 150 cm
- CP (Control Panel)
- set of keys for assembly,
- manual user instructions EN

warranty: 12 months | delivery time: to be confirmed

FEEDERcombo x3 Bundle Cleaning System STD+



The system includes:

- complex automatic triple FEEDERcombo x3 flexible lance feeder with a dedicated single pneumatic drive
- complete ALU STD+ frame for positioning and stabilization with special flange handle and working area 200 x 200 cm
- CP (Control Panel)
- set of keys for assembly
- manual user instructions EN

warranty: 12 months | delivery time: to be confirmed

FEEDERcombo x4 Bundle Cleaning System STD



The system includes:

- complex automatic triple FEEDERcombo x4 flexible lance feeder with a dedicated single pneumatic drive
- complete ALU STD frame for positioning and stabilization with special flange handle and working area 150 x 150 cm
- CP (Control Panel)
- set of keys for assembly
- manual user instructions EN

warranty: 12 months | delivery time: to be confirmed

FEEDERcombo x4 Bundle Cleaning System STD+



The system includes:

- complex automatic triple FEEDERcombo x4 flexible lance feeder with a dedicated single pneumatic drive
- complete ALU STD+ frame for positioning and stabilization with special flange handle and working area 200 x 200 cm
- CP (Control Panel)
- set of keys for assembly
- manual user instructions EN

warranty: 12 months | delivery time: to be confirmed

THE MAIN ELEMENTS OF CLEANING SYSTEMS

FEEDER*basic unit*



A special pneumatic device dedicated to work with a high-pressure flexible lance.

This device is designed to clean heat exchangers inside pipes. Manipulator is designed to work with various high pressure pump units. Equipped with an air preparation station FRL.

warranty: 12 months | **delivery time:** to be confirmed

FEEDER*box unit*



A special device dedicated to work with the flexible HP and UHP lance.

This device is designed to clean heat exchangers inside pipes. A complete air preparation system with a compressor is required for the operation of the device (the compressor is not included). The device is ready to work with various UHP pump units. This set includes an organizer with additional accessories.

warranty: 12 months | **delivery time:** to be confirmed

FEEDER*combo x2 unit*



Automatic, double flexible lance feeder installed in a central aluframe.

- mounted automatic FEEDER*combo* x2 flexible lance feeder,
- 2 x front guide tubes - 0.5 m double-guide bar,
- complete air preparation unit with a 5 m duct,
- 2 pcs. - complete sets of additional accessories for various lance diameters• set of keys for assembly,
- manual user instructions EN

warranty: 12 months | **delivery time:** to be confirmed

FEEDER*combo x3 unit*



Automatic, triple flexible lance feeder installed in a central aluframe.

- mounted automatic FEEDER*combo* x3 flexible lance feeder
- 3 x front guide pipes - tri-lance guide 0.5 m
- complete air preparation unit with a 5 m duct,
- 3 pcs. - complete sets of additional accessories for various lance diameters• set of keys for assembly,
- manual user instructions EN

warranty: 12 months | **delivery time:** to be confirmed

THE MAIN ELEMENTS OF CLEANING SYSTEMS

FEEDER*combo* x4 unit



Automatic, fourfold flexible lance feeder installed in a central aluframe.

- mounted automatic FEEDER*combo* x4 flexible lance feeder
- 4 x front guide pipes - 0.5 m square guide
- complete air preparation unit with a 5 m duct
- 4 pcs. - complete sets of additional accessories for various lance diameters• set of keys for assembly, manual user instructions EN

warranty: 12 months | delivery time: to be confirmed

FEEDER*box* 3in1 unit



Manipulator supporting bundle heat exchangers cleaning.

- automatic triple FEEDER*box* 3in1 flexible lance feeder with a dedicated single pneumatic drive
- 3 x front guide pipes, 0.5 m
- 3 x complete sets of additional accessories for various lance diameters
- set of keys for assembly
- manual user instructions EN

warranty: 12 months | delivery time: to be confirmed

FRAME *STD* + *CP*



- complete ALU *STD* frame for positioning and stabilization with a special flange handle
- working area: 150 x 150 cm
- remote control panel

warranty: 12 months | delivery time: to be confirmed

FRAME *STD+* + *CP*



- complete ALU *STD+* frame for positioning and stabilization with a special flange handle
- working area: 200 x 200 cm
- remote control panel

warranty: 12 months | delivery time: to be confirmed

THE MAIN ELEMENTS OF CLEANING SYSTEMS

FRAME STD



- complete ALU STD frame for positioning and stabilization with a special flange handle,
- working area: 150 x 150 cm
- frame equipped with pneumatic motors for moving the selected manipulator in X and Y axes.
- has a special fixing handle fixing to the flange of a heat exchanger and a transport handle

warranty: 12 months | delivery time: to be confirmed

FRAME STD+



- complete ALU STD+ frame for positioning and stabilization with a special flange handle
- working area: 200 x 200 cm
- frame equipped with pneumatic motors for moving the selected manipulator in X and Y axes.
- has a special fixing handle fixing to the flange of a heat exchanger and a transport handle

warranty: 12 months | delivery time: to be confirmed

Control Panel [CP]



Functionality:

- on/off switch
- speed switch (fast / slow)
- motion control: left/right
- movement control: up/down
- lance movement: forward/backward
- integrated safety button
- spiral pneumatic hose 5 m

warranty: 12 months | delivery time: to be confirmed

A-FRAME



A-FRAME – a steel frame type „A”, intended for hanging the FEEDERbox feeder.

Included in the set:

- elements for easy assembly of complete frame
- operation manual EN
- balancer
- Working area [m]: 1,5 x 1,5

warranty: 12 months | delivery time: to be confirmed

HIGH PRESSURE ACCESSORIES SPARE PARTS, PROTECTIVE CLOTHING



PROTECTIVE CLOTHING

We are a distributor of high-class products of the Swedish company TST, a producer of protective clothing for working with ultra-high pressure water systems. Our line of special clothing is a guarantee of safety and comfort of work with ultra-high pressure devices.

We offer cooling vests and a wide selection of protective clothes: jackets, overall suits, etc. All clothes are available in many sizes and were made of durable materials which guarantee long use of our products.

SPARE PARTS

PONAR is a guarantor of original parts and spare modules from which all devices offered by our company were built. This applies to both PONAR production solutions and solutions of partner companies, which we are pleased to represent on the Polish market.

As an authorized business partner of foreign companies, we offer access to original parts from the following manufacturers on preferential terms:

- **WOMA** [parts for high pressure pumps and other manufacturer's solutions];
- **UDOR** [parts for high pressure pumps and other manufacturer's solutions];
- **HPP** [parts for high pressure pumps and other manufacturer's solutions];
- **IDROJET** [parts and modules for IDRO hydraulic extractors];
- **AQUAJET** [accessories, parts and modules for specialized robots for cutting concrete Aqua Cutter];
- **MAZZONI** [parts and modules for water heaters].

At the request of our contractors, we are also able to select replacements as an alternative to parts and original modules. The replacements we offer are characterized by high quality of workmanship and a lifetime of the element comparable to the original



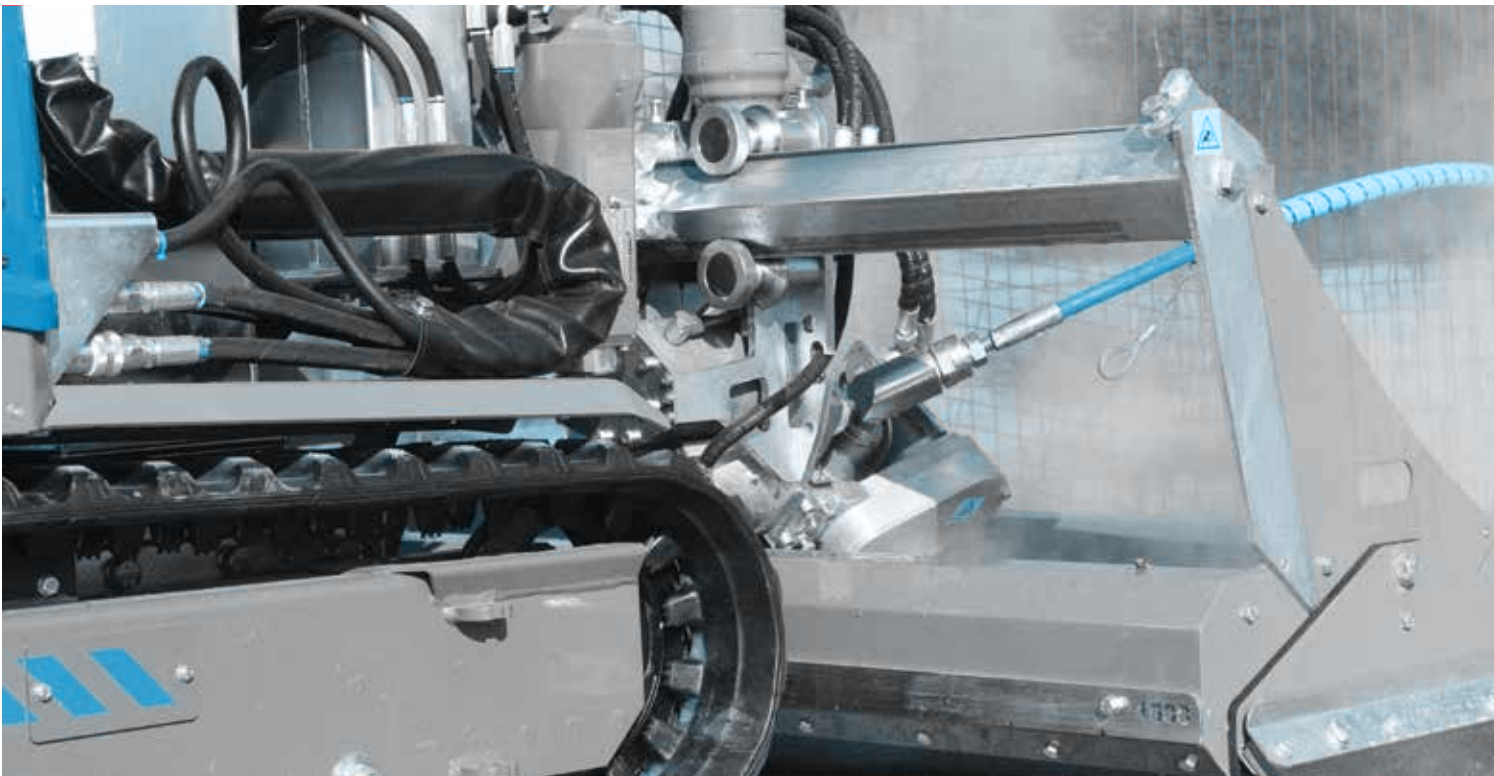
HYDRODEMOLITION | ANTICORROSION OF CONCRETE

We are an Authorised Partner of Aquajet Systems AB , a Swedish producer of machinery for concrete chiselling, world leader in production of hydrodemolition robots.

As one of the very few companies in Poland, PONAR Wadowice have a complete system for concrete chiselling (dedicated UHP system + AquaCutter 410A robot), which we offer for sale and rent, including services of the operator during the carried out work.

Wykorzystanie metody:

- does not introduce vibrations
- does not emit dust to the environment
- does not affect the reinforcement of the concrete
- has anti-corrosive and cleaning effect on the reinforcement
- limits noise emitted to the environment
- allows for selective or non-selective removal of concrete, depending on the applied pressure
- leaves clean surface of concrete
- is save and more efficient than traditional methods of concrete removal



HYDRODEMOLITION AND ANTI-CORROSION OF CONCRETE

AQUA CUTTER 410A evolution 2.0



total weight: 1190 kg
length: 2,1 m
min. width: 0,78 m
track width: 0,78 - 1,16 m
min. height: 0,99 m \ 1,07 m
operating height: 3 m
side reach: 1,3 m
lance angle: $\pm 45^\circ$

working width: 0 - 1,7 m
working width extended: 0 - 3,2 m
drive source: electric motor 3 phase 5,5 kW 400 VAC 16A (other on request)
warranty: 12 months
delivery time: to be confirmed

AQUA CUTTER 410A TK evolution 2.0



total weight: 1160 kg
length: 2,0 m
min. width: 0,78 m
track width: 0,78 - 1,16 m
min. height: 0,99 m
operating height: 4 m
operating diameter: 1,3 - 3,0 m

vacuum connections: 2 x 2,5 "BSP
diameter nozzle head: 250 mm (9,8")
flow and pressure: 170 - 65 l/min at 800 - 2500 bar
warranty: 12 months
delivery time: to be confirmed

AQUA CUTTER 410V evolution 2.0



total weight: 1250 kg
length: 2,1 - 2,27 m
min. width: 0,78 m
track width: 0,78 - 1,16 m
min. height: 0,99 m
operating height: 4 m
side reach: 0,95 m
lance angle: $\pm 45^\circ$

working width: 0 - 1,7 m
working width extended: 0-3,2 m
drive source: electric motor 3 phase 5,5 kW 400 VAC 16A (other on request)
warranty: 12 months
delivery time: to be confirmed

AQUA CUTTER 710H evolution 2.0



total weight: 2000 kg
length: 2,57 - 2,82 m
min. width: 2 m
track width: 1,03 - 1,63 m
min. height: 1,3 m
lance angle: $\pm 45^\circ$

working width: 0 - 2,45 m
working width extended: 0 - 4,45 m
drive source: diesel engine (electric option)
warranty: 12 months
delivery time: to be confirmed

HYDRODEMOLITION AND ANTI-CORROSION OF CONCRETE

AQUA CUTTER 710V evolution 2.0



total weight: 2350 kg
length: 2,57 - 2,82 m
min. width: 1,03 m
track width: 1,03 - 1,63 m
min. height: 1,3 m \ 1,6 m
operating height: 7 m
side reach: 2 m
lance angle: ± 45°

working width: 0 - 2,45 m
warranty: 12 months
delivery time: to be confirmed

AQUA CUTTER 710VE evolution 2.0



total weight: 2350 kg
length: 2,57 - 2,82 m
min. width: 1,03 m
track width: 1,03 - 1,63 m
min. height: 1,3 m \ 1,6 m
operating height: 7 m
side reach: 2 m
lance angle: ± 45°

working width: 0 - 2,45 m
warranty: 12 months
delivery time: to be confirmed

AQUA CUTTER 710V XL evolution 2.0



total weight: 2430 kg
length: 2,57 - 2,82 m
min. width: 1,23 m
track width: 1,23 - 1,83 m
min. height: 1,3/1,6 m
operating height: 7 m
side reach: 2 m
lance angle: ± 45°

working width: 0 - 2,45 m
warranty: 12 months
delivery time: to be confirmed

AQUA FRAME type I (without PCM)



approx. length: 3,3 m
approx. width: 2,9 m
cutting length: 0 - 2,8 m
cutting width: 0 - 2,25 m
control source: AQUA CUTTER robot lub PCU

warranty: 12 months
delivery time: to be confirmed

HYDRODEMOLITION AND ANTI-CORROSION OF CONCRETE

AQUA SPINE *type I (without PCM)*



approx. length: 1,0 - 6,0 m
approx. width: 1,0 - 3,0 m
cutting length: 1,0 - 6,0 m
control source: AQUA CUTTER robot or PCU

warranty: 12 months
delivery time: to be confirmed

Power Control Module (PCM)



PCM position: backward/forward
brakes: front wheels
steering: front wheels
weight: 70 kg

warranty: 12 months
delivery time: to be confirmed

ECO CLEAR 20 2.0



capacity: 20 m³/h (pH outgoing water: 6-9)
turbidity outgoing water: 20 - 40 mg/l
pH adjusters: carbon dioxide (CO₂)
poly aluminium chloride consumption: 10 -30 g/m³
flocculant consumption: 1,5 -3,0 g/m³
CO₂ consumption: 0,2 - 0,6 kg/m³

length (L1): 6058 m (ISO 20`)
width (W1): 2438 m (ISO 8`)
height (H1): 2591 m (ISO 8,5`)
weight: 8900 kg
warranty: 12 months
delivery time: to be confirmed

Beam Extension kit 2x1m



extension kit: 2 x 1 m
extensions: 250, 500, 750, 1000, 1500 mm
max. extension: 2000 mm

warranty: 12 months
delivery time: to be confirmed

HYDRODEMOLITION AND ANTI-CORROSION OF CONCRETE

Beam Extension kit 2x1m with elbow



extension kit: 2x1 m with elbow
extensions: 250, 500, 750, 1000, 1500 mm
max. extension: 2000 mm
bend angle: 0°, 22,5°, 45°, 67,5°, 90°, 112,5°

warranty: 12 months
delivery time: to be confirmed

Beam Extension kit LT with elbow



extensions: 250, 500, 750, 1000, 1500 mm
max. extension: 1500 mm
bend angle (elbow): 0°, 22,5°, 45°, 67,5°, 90°, 112,5°

warranty: 12 months
delivery time: to be confirmed

Circular Power Head ø1,5M



pillar diameter: 0,7 - 1,2 m (2,3 - 3,9 stóp)
working angle: 360°
oscillation: yes
lance angle: pre-set
compatible robots: AQUA CUTTER 710V, AQUA CUTTER 410V, AQUA SPINE
larger diameter is available upon request

warranty: 12 months
delivery time: to be confirmed

Electro-hydraulic drive 2.0 3 phase 230V



length: 530 mm
width: 430 mm (620 mm over wheels)
height: 1100 mm
wheels: 320 x 100 mm, puncture free and oil resistant
weight: 98 kg (weigh with oil: 123 kg)
max. hydraulic pressure: 200 bar
max. flow: 21,4 l/min at 50 Hz

oil volume: 25 l
motor power: 4,2 kW
voltage: 3 x 230 VAC at 50 Hz
warranty: 12 months
delivery time: to be confirmed

HYDRODEMOLITION AND ANTI-CORROSION OF CONCRETE

Rotolance 1000



operating diameter: 360 mm
max. water pressure: 1000 bar (14 500 psi)
max. water flow: 240 l/min
rotation speed: 0 - 800 obr.\min (hydraulic)
max. hydr. pressure: 110 bar (1595 psi)
max. hydr. flow: 20 l/min

HP hose connections: M36 x 2 DKO
max. nos of nozzles: 4
vacuum connections: 2 x 2,5 "BSP
weight: 110 kg
warranty: 12 months
delivery time: to be confirmed

Rotolance 2500



working diameter: 350 mm
max. water pressure: 2500 bar (36 300 psi)
max. water flow: 65 l/min
rotation speed: 0 - 1000 rpm (hydraulic)
max. hydr. pressure: 110 bar (1595 psi)
max. hydr. flow: 20 l/min

HP hose connections: M30 x 2 gland
max. nos of nozzles: 20
vacuum connections: 2 x 2,5 "BSP
weight: 110 kg
warranty: 12 months
delivery time: to be confirmed

Rotolance 2500 LT



working diameter: 215 mm
working diameter: 2500 bar
max. water flow: 65 l/min
rotation speed: 0 - 1000 rpm (hydraulic)
max. hydr. pressure: 110 bar (1595 psi)

HP hose connections: M30 x 2 gland
max. nos of nozzles: 20
vacuum connections: 2 x 2,5 "BSP
weight: 95 kg
warranty: 12 months
delivery time: to be confirmed

HYDRAULIC EXTRACTORS

Since 2017 we have been an authorised and sole trade partner of the Italian producer of hydraulic extractors, IDROJET company.

Our offer also includes services related to construction of extractors according to individual Customer requirements as to the length and weight of heat exchangers.

Extractors are devices intended for extracting and inserting pipe inserts of heat exchangers. They are made as a frame hung with a band to a hook of a work crane. Extractor is equipped with a hydraulic power pack with an internal combustion drive.

Additionally, the device can be equipped with an extender allowing work with inserts of greater length.

The device is remotely controlled by using a console connected by cords to the electro-hydraulic installation.



MAINTENANCE & INDIVIDUAL PROJECTS



PONAR Wadowice, apart from building dedicated solutions for our clients, also focuses its activities on supporting Maintenance Departments and Technical Departments of companies from various industries.

We always offer dedicated sales, technical and service care. Thanks to this approach, our company provides quick and efficient service to our Customers, ensuring the same composition of the service team.

Our Service Agreements constitute an additional guarantee of emergency service support.

As an experienced engineering and service staff, PONAR Pressure, at the customer's request carries out repairs, technical inspections and ongoing services for systems as auxiliaries and high pressure accessories. Our many years of experience guarantee a long life of the equipment during subsequent orders.

If the equipment you own does not meet technical requirements and market demand, please contact us. We offer full support and suggest solutions that will help you modernize it.

In the field of equipment modernization, we provide the following services:

- changes in technical parameters;
- changes to the current functionality;
- change of external dimensions, etc.

The scope of general services includes:

- Periodic (maintenance) inspections;
- Comprehensive machine sealing;
 - comprehensive services for high pressure pumps
 - valve block seals
 - cylinder seals
 - seals of hydraulic and pneumatic hoses
 - seals and inspections of engines of high-pressure units
- Cleaning the oil tanks;
- Delivery of hydraulic and pneumatic hoses with crimping;
- Replacement of hydraulic and pneumatic hoses;
- Oil change;
 - oil supply in accordance with the machine's operation and maintenance manual or individual arrangements
 - oil filtration to the class declared in the Operation and Maintenance Manual
 - guarantee of reports and tests of independent entities
- Extension of machines with additional cooling systems;
- Extension of machines with additional filtration systems;
- Work on the client's individual request.



PONAR Wadowice S.A.
Headquarters and Plant in Wadowice

ul. Wojska Polskiego 29
34-100 Wadowice
tel. +48 33 488 21 00

PONAR Wadowice S.A.
Plant in Łaziska Górne

ul. Św. Jana Pawła II 10 a
43-170 Łaziska Górne
tel. +48 32 323 34 00

HIGH PRESSURE DEPARTMENT
Plant in Łaziska Górne

tel. +48 32 323 34 58
mob. +48 606 543 188
mob. +48 530 955 894
uhp@ponar-wadowice.pl