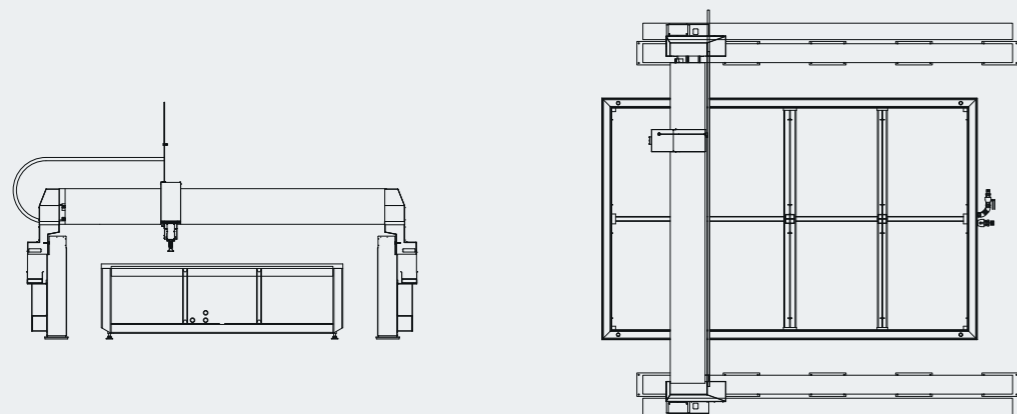







WATER



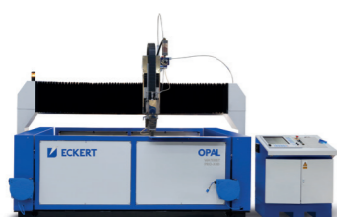
MODEL	OPAL WATERJET
Drives	Servo AC
Cutting width	1000 - 6000 mm
Basic working length	1000 - 12000 mm
Waterjet cutting thickness	0,5 - 150 mm (250 mm – option)
Positioning speed	25000 mm/min
Positioning accuracy	±0,025 mm

ADDITIONAL EQUIPMENT

-  PRO-X 3D head
-  Dynamic water level
-  Scratch conveyor
-  Abrasive cutting
-  Water softening system



The manufacturer reserves the right to make changes and/or improvements without notice.



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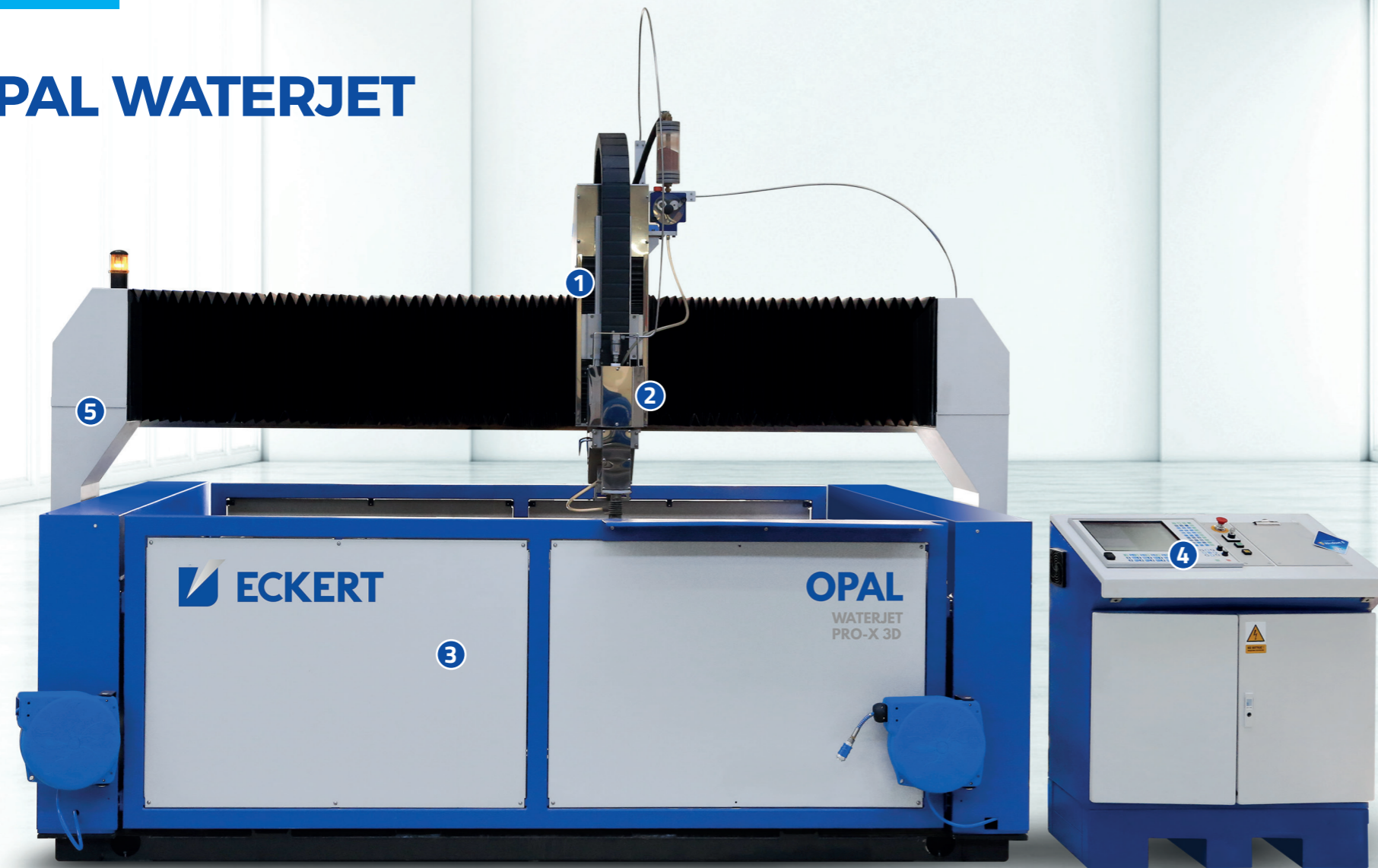
www.eckert.com.pl

OPAL WATERJET


Versatile and precise waterjet cutting

WATER


OPAL WATERJET



1 2D CUTTING HEAD
2-axis waterjet cutting head Accustream is utilising proven in practice hydro-abrasive cutting technology. Well designed construction head equipped with height sensor and anti collision device guarantee the best quality cuts and faultless operation.




2 PRO-X 3D HEAD
5-axis Pro-X 3D head provides a very high level of efficiency and insures the achievement of maximum 3-dimensional precision. The maximum cutting angle +/- 47 and automatic angle compensation ensure great precision and practically zero angle on the cutting edge. Perfect tool to minimize post processing.




3 WATER TABLE
Opal Waterjet cutting machine is equipped with the robust water table with double grid system. Steel, fully tinned* construction insures durability and corrosion resistance. The detached table construction ensures maximum stability and smooth running operations.


*additional option



4 CNC CENTRE
ECS872 centre is a high quality industrial device, equipped with touch screen. Efficient components and construction resistant to extreme production conditions guarantee failure free operation. Unsurpassed functionality of proprietary software and intuitive drive interface enable full exploitation of the machine's capacity.



5 CONSTRUCTION
Opal Waterjet has gantry construction. The machine is made from steel closed profiles which ensure great stability. Rail elements where protected against harmful influence of water with protective bellows or covered by aluminium parts. Relatively low weight of the gantry and specially grounded racks furnishes our Opal Waterjet with excellent dynamics and high precision motors boosts accurate positioning.



CHARACTERISTICS

Opal Waterjet cutting machine was created in response to the need of obtaining smooth, high quality finish with no heat-affected zone or thermal distortion. Utilisation of waterjet cutting allows work with a wide variety of materials such as: stone, wood, plastics etc. up to 250 mm thickness. Optional use of PRO-X 3D cutting head widens design capability of the machine by 3D operations.

MAIN FEATURES

- ▶ Versatility
- ▶ There are no dust as a by-product of cutting
- ▶ Abrasive or pure water cutting
- ▶ Waterjet cutting system can operate with up to four cutting heads at a time
- ▶ Customised high pressure pump adjustment
- ▶ Dross free cutting minimizes post processing

STANDARD HIGH PRESSURE PUMPS

Pump model	HPS 4022	HPS 4037 HPD 4037	HPD 4055	HPD 4075	HPS 6045 HPD 6045	HPD 6090
Power [kW]	22	37	55	75	45	90
Max flow [l/min]	2,3	3,8	5,7	7,6	2,8	5,4
Pressure [bar]	400-3800	400-3800	400-3800	400-3800	600-6000	600-6000
Oil tank capacity [l]	100	200	200	200	200	200
Length [mm]	2300	2300	2300	2650	2650	2650
Width [mm]	760	1050	1050	1200	1200	1200
Height [mm]	1410	1470	1470	1470	1470	1470



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