



MODEL	OPAL WATERJET
Drives	Servo AC
Cutting width	1000 - 6000 mm
Basic working length	1000 - 12000 mm
Cutting thickness - Waterjet 2D	0,5 - 250 mm
Cutting thickness - Waterjet 3D	0,5 - 150 mm
Positioning speed	25000 mm/min
Positioning accuracy	±0,025 mm
Safety standard	EN 13850

ADDITIONAL EQUIPMENT

 PRO-X 3D head	 Galvanized steel water table	 Stainless steel water table	 Dynamic water level
 Drilling	 Abrasive cutting	 Bricks	 Light grid for water tank
 Water softening system	 Fleece Filter	 Cascade filter	 Light barriers



SOFTWARE

 ECKERT
CAD/CAM

 IGEMS

 lantek

And many more...



 ECKERT

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OPAL WATERJET

Versatile and precise waterjet cutting

WATER

OPAL WATERJET



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



BFT	ECOTRON 40.22	ECOTRON 40.30	ECOTRON 40.37	ECOTRON 40.45+	SERVOTRON 40.37	SERVOTRON 40.45+
Power [kW]	22	30	37	45	37	45
Max. flow [l/min]	2,3	3,4	3,8	4,3	3,8	4,6
Pressure [bar]	4000	4000	4000	4000	4000	4000

KMT	TL-I 30	NL-I 40	JL-I 50	SL-VI 30 PLUS	SL-VI 50 STD	SL-VI 60 PRO-III
Power [kW]	22	29	37	22	37	45
Max. flow [l/min]	3,1	2,7	3,8	2,6	4,3	6,0
Pressure [bar]	3800	3800	3800	4136	3800	6200

UHDE ThyssenKrupp	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]	3800	3800	3800	3800	6000	6000

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