

Data Sheet
Water jet cutting machine
Horizontal Bridge Type
APW 3180BA

*w*ater jet
APW
europe

Specification main machine

Cutting Table : Horizontal
Structural style : Bridge style
X and Y axis Travel : 3100mm×8000mm
Z-axis Travel : 150mm
Control accuracy : ±0.01mm
Cutting accuracy : ±0.1mm
Servo motor specification (ZxYxX): 0.75, 1.0, 1.5KW
X-axis and Y-axis Max. moving speed : 6000mm/min
Z-axis Max. moving speed : 1000mm/min
Cutting Head : 3-Axis (opt. 4 or 5 Axis)
Way of Drive : AC Servo
Servo System : Yaskawa Servo Motor
Linear guide : SKF (America)
Ball Screw : ABBA (HIWIN)
Nozzle and Orifice : Made in America
Environmental Temp. : 2 to 40 °C
Atmosphere Pressure : 86Kpa~106Kpa
Dust Concentration : Not More than 10mg/m3
X, Y-Axis Structure : Aluminum Structure
Water Tank : Coated Stainless Steel

A12 Intensifier Pump

Max discharge of SERVO oil pump : 90L/min
Max water discharge : 3.7L/min
Max available orifice diameter : 0.33mm
Max pressure : 410Mpa (4100 bar)
Continuous working pressure : 360 ~ 380MPa
Main motor power : 37KW(50HP)
Power supply : 380V/50HZ/3PH
Max. oil pressure : 20Mpa
Length/width/height : 1745/1045/1350
Weight : 1200kg

Specification HP Pump

Intensifier : A&V(made in USA)
Main Motor : Siemens
Hydraulic Pump : Rexroth servo hydraulic pump
PLC : Omron
Heat Exchanger : Water/Oil panel cooler
Control System : LP/HP auto control
Temperature Display : Digital Temperature Display
Shock Absorber : Four corners of the motor
Directional Valve : Taiwan YUKEN
Accumulator Volume : 1.2L
Low Pressure Filter : 10um
Cutting Water Inlet Pressure : 0.3Mpa
Cooling Water Inlet Pressure : 0.3Mpa
High Pressure Outlet Connections : M16 x1.5
Oil level and oil temperature sensor : Standard Components

Main Characteristics of CNC System

19 Inch LCD Monitor
Support DXF and NC code file
Forward and backward processing function
Even pace control function
Partial and smooth processing modes
Small arcs speed auto processing function
Circle processing function
Coordinate memory retention function
Double increase and decrease speed data function

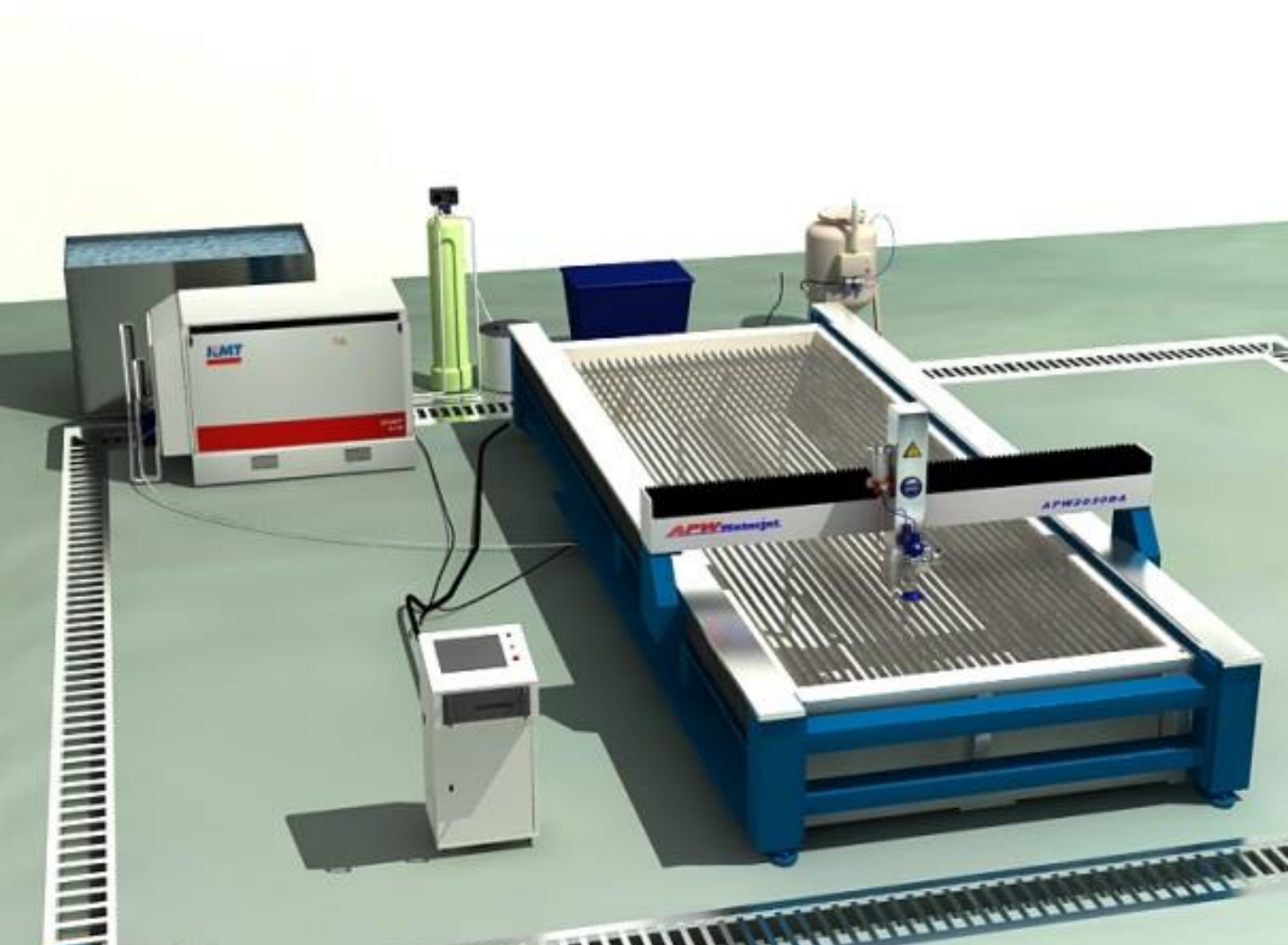
Auto Abrasive Delivery System

Max. Inlet Air Pressure : 0.6Mpa
Min. Inlet Air Pressure : 0.2Mpa
Abrasive Capacity : 225Kg
Min. Inlet Air Flow : 0.028 m³/min
Operating Air Flow : 0.005 m³/min
Self-feeding Control
Air Valve to prevent jams and breakages
Self-sealing

Options

4-Axis Cutting Head
5-Axis Cutting Head
Multiple Cutting Head
Multiple Beams
Auto Height Adjustment System
HP Pump A12x2
HP Pump 6000 bar
Electrical and safety components: Siemens, Pilz, ABB, Schneider Electric, Fiessler, Omron

Änderungen und Irrtümer in den technischen Daten, Angaben und Preisen vorbehalten.
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APW Waterjet www.apweurope.com

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APW <small>Waterjet</small>	ABBA LinearTech	YASKAWA [™]	
CSIC	Sun microsystems	SIEMENS	A&V KMT Waterjet Systems



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