



Data Sheet
Water jet cutting machine
Horizontal Bridge Type
APW 4040BA-Z800

*w*ater jet
APW
europa

Specification main machine

Model : APW 4040BA-Z800

Cutting Table : Horizontal

Structural style : Bridge style

X and Y axis Travel : 4000mm×4000mm

Z-axis Travel : 800mm

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

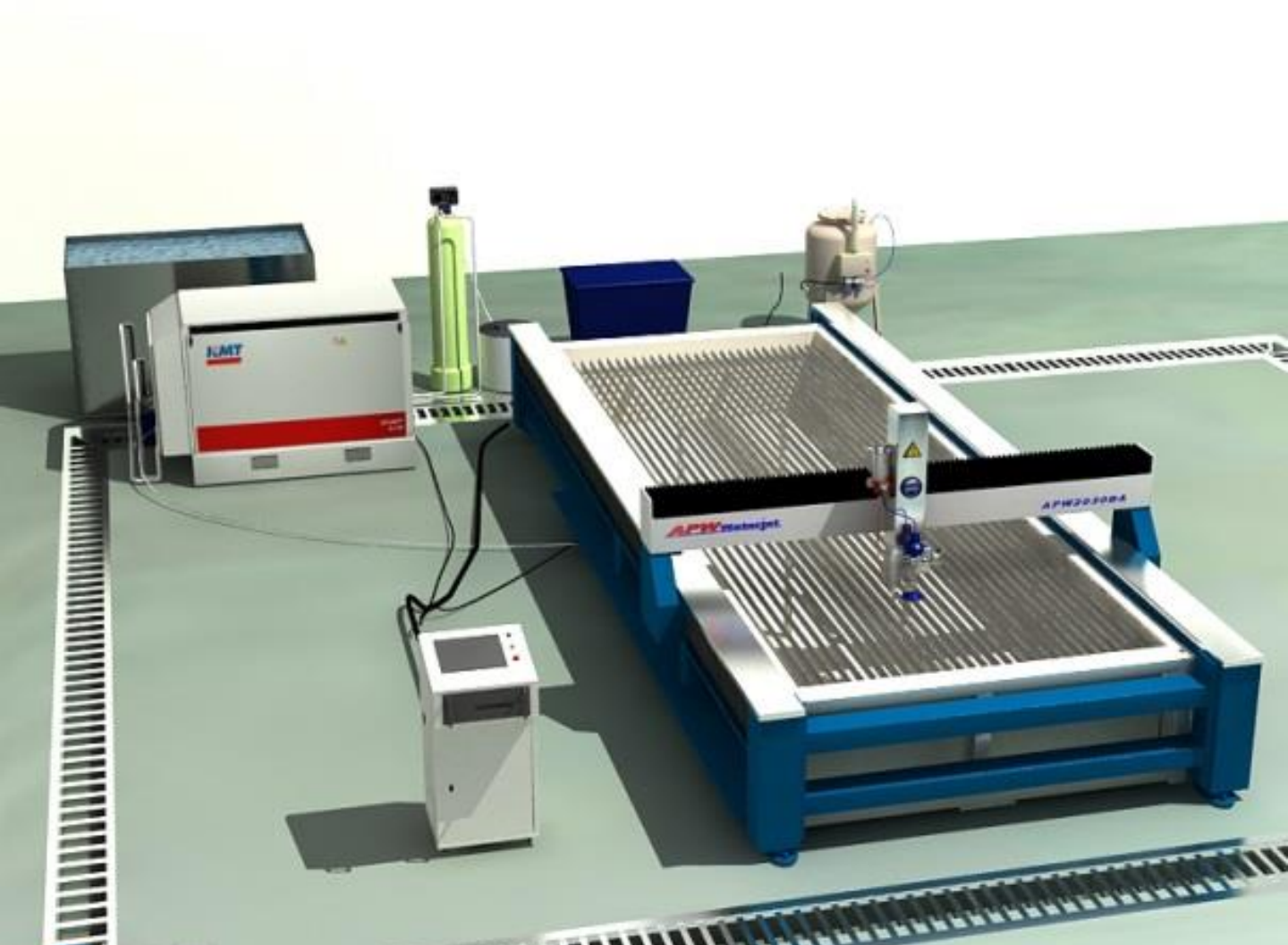
Auto Abrasive Delivery System

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.
Changes and errors in the technical data, Information and prices reserved.



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