

3D ROBOT WATERJET CUTTING CELL

PARTICULARLY DESIGNED FOR WATERJET 3D CUTTING

Versatile and flexible, adapts to all processes.



The robot cells for 3D cutting of the WJn series combine extensive DESMASA's experience in automation, robotics and high pressure, offering a complete solution for the process [Cell, Intensifier pump, Software, Programming, Accessories...]

General characteristics:

- Able to cut a wide variety of materials.
- WJ Desmasa software and cell calibration option.
- Advanced safety system: Volumetric scanner, Dual Check Safety Software and Safety PLC.
- Abrasive or pure water.

Structure:

- Compact, Integrated equipment with small footprint.
- High speed acoustic doors.
- Soundproofed cell.

Robots:

- ABB, Fanuc, Kuka, Yaskawa, Stäubli...
- Repetition ISO 9283: $\pm 0,03\text{mm}$ (*)
- Cutting speeds above 500mm/s (*) (Robots speed $2,000\text{mm/s}$)(*)

Software:

- Technology 4.0, Offline Programming, Desmasa Advanced-cutting-software, Calibration Tool, Straightforward intuitive handling with 10" Colour HMI, Quick, simplified programming, Customization options.

Options:

- Customizable cutting tables, cyclone suction systems...
- (*) Depending on models and conditions.



ROBOTIZATION AND CONTROL EQUIPMENT

FANUC



ABB



KUKA



YASKAWA



STÄUBLI



ACCESSORIES

HIGH PRESSURE INTENSIFIER



Design Pressure: 4,200 bar.

- Simple
- Redundant
- Dual
- 50HP/4K
- 100HP/4K
- Option "Energy Efficient"

CYCLONE – VACUUM SYSTEM



SUPERVISION AND SERVICES

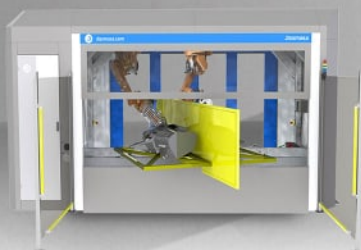
Equipment monitoring through remote connection from our facilities.



DESMASA offers a complete solution
Cell, Intensifier Pump, Software,
Programming, Accesories...

POSSIBLE CONFIGURATIONS [CUSTOMIZABLE]

ROTATING TABLE



COMPACT



WITH DUAL LOADER



ROBOT TRACKING WITH 7th AXIS



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Síguenos en:

