



ABRASIVE WATER JET
CUTTING CENTRE

ECJET III

> LDSA technology available to all

FRANCE
DESIGN & MANUFACTURE

CE Our products conform to
applicable standards

Find full information
on our website

ldsa

ECJET

Model shown
ECJET III 30.15 1T3X AW

ABRASIVE WATER JET CUTTING CENTRE

STANDARD CHARACTERISTICS

- > Cutting speed limited to 10 m /min
- > Repeatability +/- 0,05 mm
- > Absolute precision +/- 0,05 mm
- > 430 stainless steel tank



LDSA TECHNOLOGY

ACCESSIBLE TO ALL

“

*THE IDEAL LDSA
WATER JET
CUTTING MACHINE
FOR THE FIRST-
TIME BUYER*

”

LDSA, the leading French Designer and Manufacturer of Water Jet Cutting Centres, presents its new generation of 3 axis “ECJET III” type tables.

This machine provides an economic solution for businesses wanting to branch out into water jet cutting without compromising on equipment reliability. In fact, this configuration is operational immediately.

The machine is controlled by a latest generation **CNC** unit from **FANUC (world No.1)**, offering ease of use coupled with unrivalled **reliability and precision**. The very high pressure water supply (4150 Bar max for this model) is supplied by a pump manufactured by **BFT** (European No.1), **KMT** (world No.1) or **HPYERTHERM** (USA).

The HMI (human machine interface) is fully developed and programmed in house, making it fully adaptable and customisable. The machine operates under Windows 10 PRO, allowing for easy, secure integration into your IT network.

A range of sensors enable the system to be controlled and managed remotely. That digital compatibility means that remote assistance can be provided easily, quickly and efficiently.

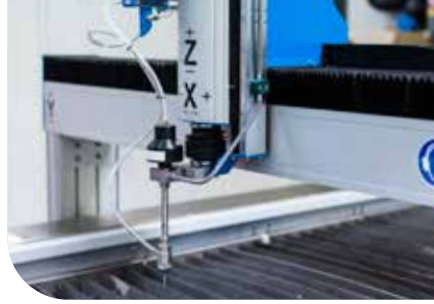
The machine, which is highly compact, uses only the highest quality mechanical and electrical components, to ensure the greatest possible reliable.



FANUC

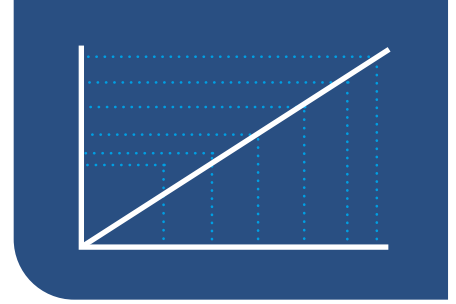


CONFIGURATION BENEFITS



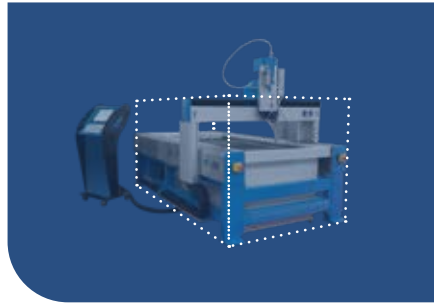
VERY HIGH PRESSURE ACCESSIBLE TO ALL

This machine is designed to perform the essential tasks: proven equipment and materials for unfailing reliability.



4 TABLE SIZES AVAILABLE

to suit all kinds of use regardless of industry.



A COMPACT FRAME

For optimal integration into your working environment.



OPTIMAL PRECISION

Ball screw on each axis.

LDSA TECHNOLOGY AVAILABLE TO ALL IN AN ACCURATE, COMPACT MACHINE

Efficiency-focused design for fast implementation and great reliability

LDSA ADDED BENEFITS



FANUC CNC



COMPLETE MACHINE
turnkey



LOCAL AFTER-SALES



TRAINING
free and unlimited

ALL SECTORS



/ AERONAUTICAL / AEROSPACE / INDUSTRY / AUTOMOTIVE / NAVAL / NUCLEAR
/ SHEET METAL & METALLURGY / MARBLE MASONRY / TEACHING...

ALL MATERIALS

600 mm and over soft materials

glass wool, rubber, fabrics, cardboard, polypropylene...

500 mm hard materials

stone, ceramics, aluminium, brass, plastic, carbon...

200 mm very hard materials

steel, titanium, stainless, Inconel, Creusabro...



VIEW THE FULL specifications of this machine on our website

COMPARE OUR PRODUCTS

	WJA II	LCJET III	FBJET III	ECJET III
Useful stroke (X x Y x Z) mm	Min 1000 x 1000 x 200 Max 6000 x 18000 x 200	Min 1200 x 1100 x 200 Max 1100 x 1200 x 200	Min 1700 x 3300 x 200 Max 2000 x 4000 x 200	Min 1000 x 1000 x 150 Max 2000 x 3000 x 150
Overall dimensions (X x Y) mm	Min 2000 x 2000 Max 7100 x 19100	Min 2270 x 2680 Max 2270 x 2680	Min 4140 x 5700 Max 4350 x 6300	Min 2000 x 2000 Max 3000 x 4000
3D 5-axis head (Z = 350 mm)	Yes (option)	Yes (option)	No	No
ACTIVE 5-axis head 2.5D (Z = 200 mm)	Yes (option)	Yes (option)	Yes	No
Z displacement =500 OR 750mm	Yes (option)	Yes (option)	No	No
Max no. heads/bridges (On separate carriage)	4	2	1	2
Max no. bridges	4	1	2	1
Height/Flatness touch probe	Yes	Yes	Yes	Yes (option)
Abrasive doser managed by CNC with sensors	Yes	Yes	Yes	Yes (option)
Touch screen (control console)	Yes	Yes	Yes	No
Max possible pressure (Bar)	6200	6200	6200	4150
Movement speed Max. (m/min)	50	50	40	30
Positioning precision (+/- mm)	0.03	0.03	0.03	0.05
Repeatability (+/- mm)	0.02	0.02	0.02	0.05
Standard load accepted by table (kg/m²)	1000	1000	1000	1000
Load accepted by Table 2T/m² or 3T/m² option	Yes (option)	No	Yes (option)	No
Nozzle diam. (mm)	Min 0.08 Max 0.4	Min 0.08 Max 0.4	Min 0.08 Max 0.4	Min 0.08 Max 0.4
AUTOMATIC water level adjustment INTEGRATED into machine tank (Ballast)	Yes (option)	Yes (option)	Yes	No
MANUAL water level adjustment from OUTSIDE machine tank (external tank - Retrofit possible)	Yes (option)	Yes (option)	No	Yes (option)



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In addition to this document,
also see the following documents :

> Pumps > HMI and console

Visit our website

ldsa-france.fr