

ABRASIVE WATER JET CUTTING CENTRE LCJET III

> Versatile > Precise
> Full stainless steel protection

FRANCE
DESIGN & MANUFACTURE

CE Our products conform to applicable standards

Find full information on our website

LCJET

ABRASIVE WATER JET CUTTING CENTRE

Model shown
LCJET III 10.10 1T3X AW



STANDARD CHARACTERISTICS

> Cutting speed limited to 20 m/min
> Repeatability +/- 0,02 mm
> Absolute precision +/- 0,03 mm
> 304L stainless steel tank

“THE PRECISE & REASSURING LDSA WATER JET CUTTING MACHINE”

EN 9100 BUREAU VERITAS Certification

ISO 9001 BUREAU VERITAS Certification

FANUC

VERSATILE, PRECISE

FULL STAINLESS STEEL PROTECTION

LDSA, the leading French Designer and Manufacturer of Water Jet Cutting Centres, presents its new High Precision machine, the 3 or 5-axis “LCJET III” type. The system is based on a consistent, user-friendly system using all the latest cutting-edge technologies.

Model with full stainless steel housing and frame, upgradeable, ideally suited to teaching environments and where the workshop environment is a concern !

The machine is controlled by a latest generation **CNC** units from **FANUC (world No.1)**, offering ease of use coupled with unrivalled **reliability and precision**. The very high pressure water supply (4000 Bar – 6200 Bar) is provided 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 11 IoT Entreprise LTSC,** 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.

CONFIGURATION BENEFITS



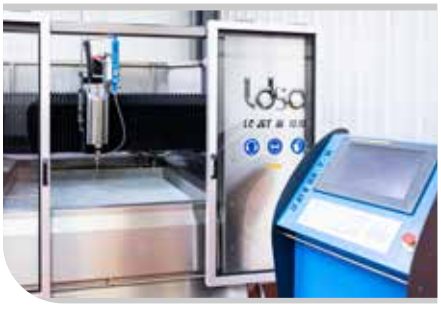
FULL STAINLESS STEEL HOUSING & FRAME



COMPACT & RIGID MACHINE



AVAILABLE IN 3, 4 OR 5 SIMULTANEOUS AXES



UPGRADEABLE MACHINE



STANDARD EQUIPMENT :
Height/flatness touch probe,
Managed abrasive doser

J+3

RAPID INSTALLATION WITHIN 3 DAYS

HIGH PRECISION WORK IN TOTAL SAFETY

A compact, rigid, full stainless steel machine. Rapid implementation on site (3 days).

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...

VIEW THE FULL specifications of this machine on our website

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...

COMPARE

OUR PRODUCTS

	WJA II	LCJET III	FBJETIII	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)

Other options and accessories on request

Visit our website

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