



losa

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

losa

LCJET

Model shown
LCJET III 10.10 1T3X AW

ABRASIVE WATER JET CUTTING CENTRE

STANDARD CHARACTERISTICS

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



ERSATILE, PRECISE

FULL STAINLESS STEEL PROTECTION

“

*THE PRECISE &
REASSURING
LDSA WATER JET
CUTTING MACHINE*

”

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 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.

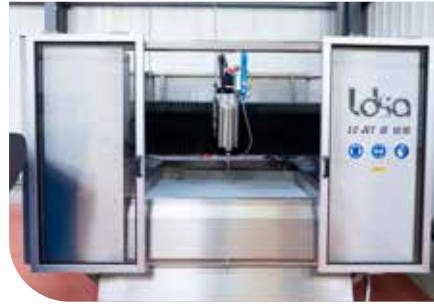
The machine, which is highly compact, uses only the highest quality mechanical and electrical components, to ensure the greatest possible reliable.



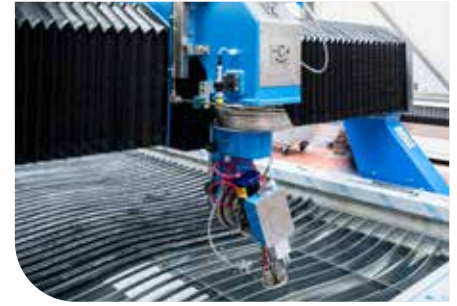
CONFIGURATION BENEFITS



FULL STAINLESS STEEL HOUSING & FRAME



COMPACT & RIGID MACHINE



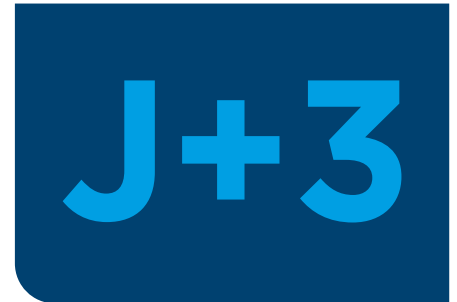
AVAILABLE IN 3, 4 OR 5 SIMULTANEOUS AXES



UPGRADEABLE MACHINE



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



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...

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	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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