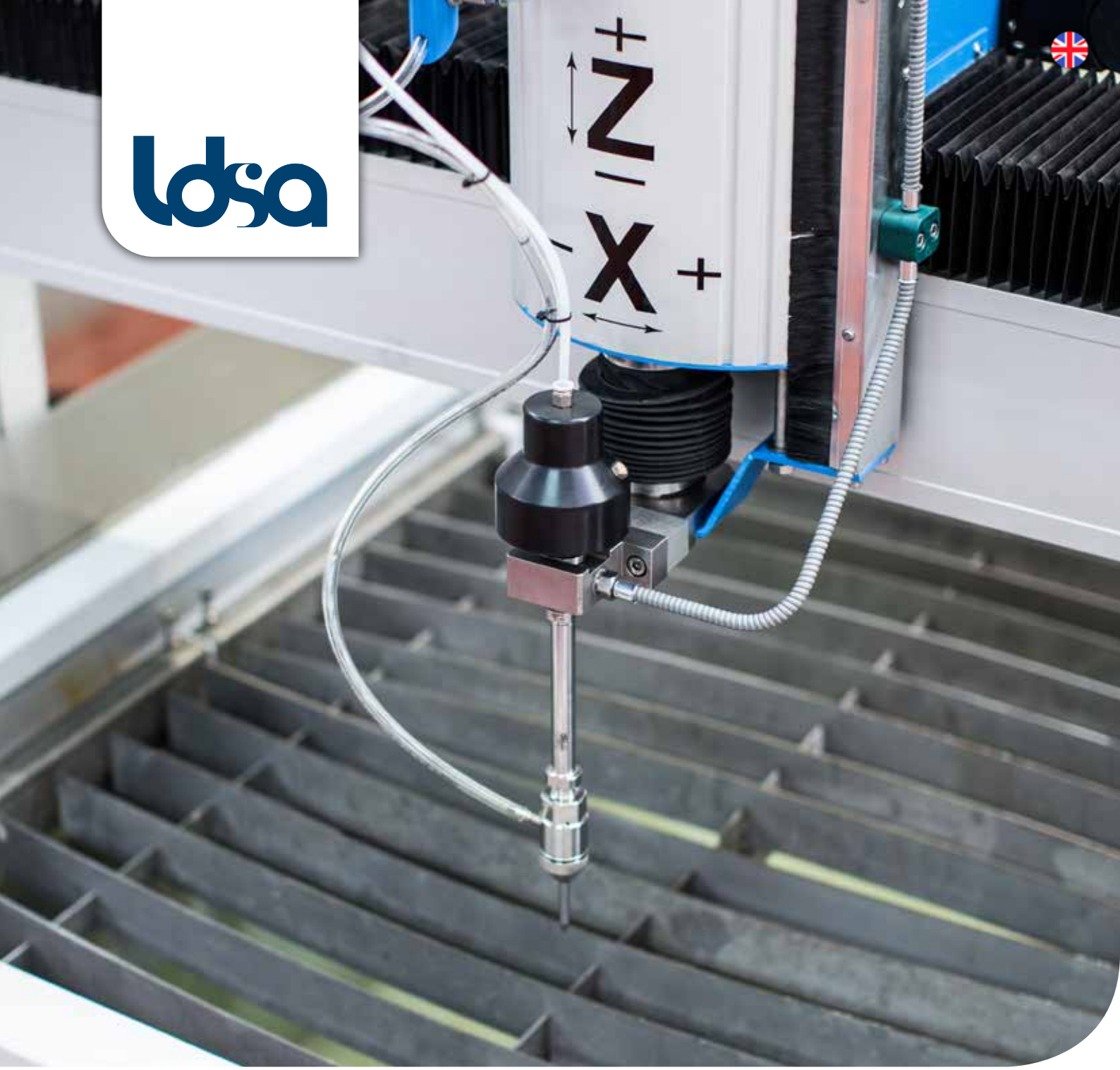


ABRASIVE WATER JET CUTTING CENTRE ECJETIII

> LDSA technology available to all

FRANCE
DESIGN & MANUFACTURE

CE Our products conform to applicable standards

Find full information on our website

ECJET

ABRASIVE WATER JET CUTTING CENTRE

Model shown
ECJET III 30.15 1T3X AW



STANDARD CHARACTERISTICS

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

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

EN 9100 BUREAU VERITAS Certification

ISO 9001 BUREAU VERITAS Certification

FANUC

LDSA TECHNOLOGY

ACCESSIBLE TO ALL

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).

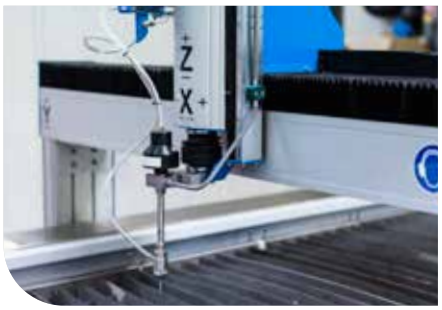
The HMI (human machine interface) is fully developed and programmed in house, making it fully adaptable and customisable. The machine operates under Windows 11 IoT Entreprise LTSC, allowing for easy, secure integration into your IT network.

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.

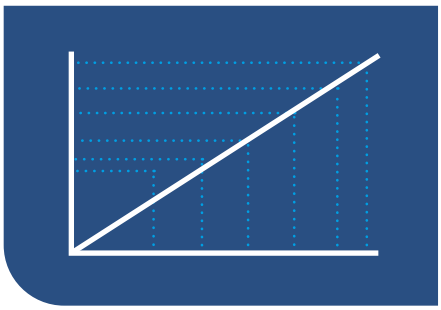
The machine, which is highly compact, uses only the highest quality mechanical and electrical components, to ensure the greatest possible reliable.



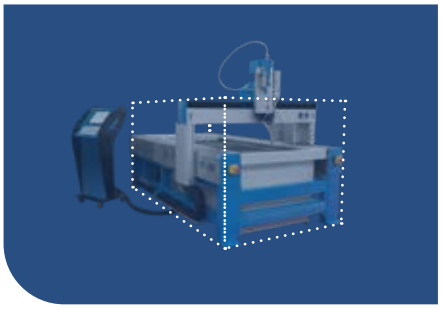
CONFIGURATION BENEFITS



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...

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	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)

In addition to this document,
also see the following documents :
> Pumps > HMI and console
Visit our website

1, impasse des Lettres
ZI de Popey
55000 BAR-LE-DUC
FRANCE

Tel. +33 (0)3 29 77 12 12
Fax +33 (0)3 29 79 68 41
Email contact@ldsa-france.com

ldsa-france.fr