



**ABRASIVE WATER JET  
CUTTING CENTRE**

**FBJETIII**

- > Compact > Robust
- > Greater accessibility

**FRANCE**  
DESIGN & MANUFACTURE

**CE** Our products conform to  
applicable standards

Find full information  
on our website



# FBJET

Model shown  
FBJET III 40.20 1T5X active AW

## ABRASIVE WATER JET CUTTING CENTRE



### STANDARD CHARACTERISTICS

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

“

THE LDSA WATER  
JET CUTTING  
MACHINE SUITED  
TO STONE  
WORKING

”

## COMPACT, ROBUST, GREATER ACCESSIBILITY

LDSA, the leading French Designer and Manufacturer of Water Jet Cutting Centres, presents its new generation of “FBJET III” 5 axis type tables. Consistent fully integrated concept using all the latest cutting-edge technologies.

**Our single configuration remote arm model for greater accessibility !**

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 (4000 Bar – 6200 Bar) is provided by a **BFT** (European No.1) pump, “**OEM**” version, fully integrated into the machine frame.

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



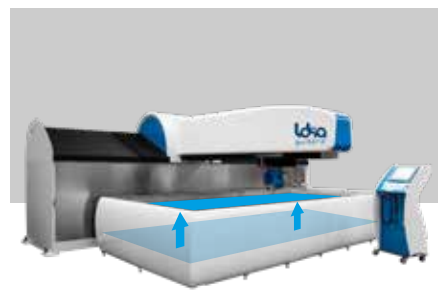
### REMOTE ARM

For greater accessibility around 3 sides



### ACTIVE 2.5D 5-AXIS HEAD

Chamfer cutting, taper correction etc.



### SUBMERGED CUTTING

Cut in silence. System managed by the CNC for automatic BALLAST type water level adjustment.



### STANDARD EQUIPMENT :

Height/flatness touch probe, Controlled abrasive dispenser



### PUMP INTEGRATED INTO THE FRAME



### PERFECTLY SUITED TO STONE WORKING

## SINGLE CONFIGURATION WITH GREATER ACCESSIBILITY

Pump, ballast... everything is integrated into the machine. Easy loading with 3 sides accessible

## 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
<b>Useful stroke</b> (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
<b>Overall dimensions</b> (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
<b>3D 5-axis head</b> (Z = 350 mm)	Yes (option)	Yes (option)	No	No
<b>ACTIVE 5-axis head</b> <b>2.5D</b> (Z = 200 mm)	Yes (option)	Yes (option)	Yes	No
<b>Z displacement</b> <b>=500 OR 750mm</b>	Yes (option)	Yes (option)	No	No
<b>Max no. heads/bridges</b> (On separate carriage)	4	2	1	2
<b>Max no. bridges</b>	4	1	2	1
<b>Height/Flatness</b> <b>touch probe</b>	Yes	Yes	Yes	Yes (option)
<b>Abrasive doser</b> <b>managed</b> <b>by CNC with sensors</b>	Yes	Yes	Yes	Yes (option)
<b>Touch screen</b> (control console)	Yes	Yes	Yes	No
<b>Max possible pressure</b> (Bar)	6200	6200	6200	4150
<b>Movement speed Max.</b> (m/min)	50	50	40	30
<b>Positioning precision</b> (+/- mm)	0.03	0.03	0.03	0.05
<b>Repeatability (+/- mm)</b>	0.02	0.02	0.02	0.05
<b>Standard load accepted</b> <b>by table (kg/m²)</b>	1000	1000	1000	1000
<b>Load accepted by Table</b> <b>2T/m² or 3T/m² option</b>	Yes (option)	No	Yes (option)	No
<b>Nozzle diam. (mm)</b>	Min 0.08 Max 0.4	Min 0.08 Max 0.4	Min 0.08 Max 0.4	Min 0.08 Max 0.4
<b>AUTOMATIC water</b> <b>level adjustment</b> <b>INTEGRATED into</b> <b>machine tank</b> (Ballast)	Yes (option)	Yes (option)	Yes	No
<b>MANUAL water level</b> <b>adjustment from</b> <b>OUTSIDE machine tank</b> (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 > SEBA > Abrasive

Visit our website

[ldsa-france.fr](http://ldsa-france.fr)