



MADE IN SWEDEN

WATER JET SWEDEN – PRODUCT RANGE OVERVIEW

World-class waterjet cutting systems


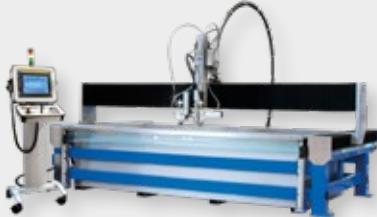
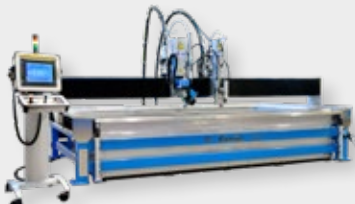


Devoted to
performance



WATER JET SWEDEN

FIND THE RIGHT WATER JET SYSTEM FOR YOUR NEEDS

MACHINE CATEGORY	STANDARD		
Product	 T-MODEL (NCT)	 X-SERIES (NCX)	 PREMIUM (NCP)
Machine overview	A complete entry level cutting system fully equipped for 2D abrasive cutting	A fundamental Select model for high performance 2D cutting	Versatile, top of the line cutting systems, from multiple 2D to advanced 5-axis cutting in 3D
Motion system	Ballscrew (X & Y)	Ballscrew (X & Y)	Linear Drive (X) Ballscrew (Y)
Linear Positional Accuracy	± 0.05 mm/m ± 0.002"/3'3.37"	± 0.05 mm/m ± 0.002"/3'3.37"	± 0.05 mm/m ± 0.002"/3'3.37"
Repeatability	± 0,025 mm ± 0.001"	± 0,025 mm ± 0.001"	± 0.025 mm/m ± 0.001"
Table size	2 x 3 m / 6'7" x 9'10" 2 x 6 m / 6'7" x 19'8"	1 x 1 m / 3'3" x 3'3" 2 x 1 m / 6'7" x 3'3" 3 x 1.5 m / 9'10" x 4'11" 3 x 2 m / 9'10" x 6'7" 4 x 2 m / 13'1" x 6'7"	3 x 1.5 / 9'10" x 4'11" 3 x 2 / 9'10 x 6'7" 4 x 2 m / 13'1" x 6'7"
Cutting Heads	Single Head 2D Cutting Tool Alphajet TVL Cutting Tool	Single Head 2D Cutting Tool Alphajet TVL Cutting Tool	Single Head Multi Head Beam Multi Head CNC (1-6) 2D Cutting Tool Alphajet TVL Cutting Tool Beveljet 60 (five-axis)
Cutting Process	Pure Waterjet Abrasive Waterjet	Pure Waterjet Abrasive Waterjet Fine Abrasive Waterjet	Pure Waterjet Abrasive Waterjet Fine Abrasive Waterjet
Z-travel	200 mm 7.87"	250 mm 9.85"	250 mm 9.85"
Pump Options	KMT 4000-6000 bar BFT 4000-6000 bar Hammelman 4000 bar	KMT 4000-6000 bar BFT 4000-6000 bar Hammelman 4000 bar	KMT 4000-6000 bar BFT 4000-6000 bar Hammelman 4000 bar
Control System	Panel One (Fanuc CNC, Edgecut 3 HMI)	Panel One (Fanuc CNC, Edgecut 3 HMI)	Panel One (Fanuc CNC, Edgecut 3 HMI)
CAD/CAM	IGEMS	IGEMS	IGEMS
Warranty	12-month standard warranty 5-year performance warranty	12-month standard warranty 5-year performance warranty	12-month standard warranty 5-year performance warranty
Origin	Made in Sweden	Made in Sweden	Made in Sweden

SELECT

MICRO



GRAND (NCG)

Robust, heavy duty waterjet cutting system, for all shapes, and large or odd sizes

Linear Drive (X)
BallscREW (Y)

± 0.05 mm/m
± 0.002"/3'3.37"

± 0.025 mm/m
± 0.001"

Variable:
Standard widths
2.5-6 m / 8'2.43"-19'8.22"
Standard lengths
3-12 m / 9'10.11"-39'4.44"

Single Head
Multi Head Beam
Multi Head CNC (1-6)
2D Cutting Tool
Alphajet TVL Cutting Tool
Beveljet 60 (five-axis)

Pure Waterjet
Abrasive Waterjet
Fine Abrasive Waterjet

250 mm
9.85"

KMT 4000-6000 bar
BFT 4000-6000 bar
Hammelman 4000 bar

Panel One
(Fanuc CNC, Edgecut 3 HMI)

IGEMS

12-month standard warranty
5-year performance warranty

Made in Sweden



FIVEX / FIVEX ULTRA (NC5/NC5 ULTRA)

Front line technology for advanced free form 3D cutting in different work planes

Linear Drive (X)
BallscREW (Y)

± 0.05 mm/m
± 0.002"/3'3.37"

± 0.025 mm
± 0.001"

Machine design and size based on customer requirements.
Standard widths
2.5-4 m / 8'2.43"-13'1.48"
Standard lengths
2-6 m / 6'6.74"-9'8.22"

Single Head
WJS 5AX Cutting Tool
WJS 5AX Ultra Cutting Tool

Abrasive Waterjet
Fine Abrasive Waterjet (Ultra)

750/1000/1500 mm
29.53"/39.37"/59.05"

KMT 4000-6000 bar
BFT 4000-6000 bar
Hammelman 4000 bar

Panel One
(Fanuc CNC, Edgecut 3 HMI)

IGEMS 3D5X

12-month standard warranty
5-year performance warranty

Made in Sweden



MICRO (NCM)

Ultra-High precision waterjet cutting tool for fine cuts and micro part manufacturing

BallscREW/Renishaw
Invar Scale

± 0.01 mm/300 mm (20°C ± 2°)
± 0.0004"/11.8" (68°F ± 3.6°)

± 0.008 mm (20°C ± 2°)
± 0.0003" (68°F ± 3.6°)

1 x 1 meter
3'3" x 3'3"
(custom table design)

Single Head
2D Cutting Tool
Alphajet TVL Cutting Tool

Fine Abrasive Waterjet

100 mm
3.94"

KMT 4000 bar
BFT 4000 bar

Panel One
(Fanuc CNC, Edgecut 3 HMI)

IGEMS

12-month standard warranty
5-year performance warranty

Made in Sweden



General Water Jet Sweden benefits

Designed to meet your specific needs

We offer machine system solutions based on an extensive range of product categories and families, but all machines are actually designed to meet specific customer needs. Each machine will consequently be considered a unique project.

World class CNC systems



To secure high performance, all Water Jet Sweden machines have Fanuc CNC systems. Best reliability and availability in the world.

Fast and reliable CNC systems with worldwide support.

Five Years Performance Warranty



We guarantee a brand new machine performance after 5 years of duty – a warranty extension made possible by a unique design. Thanks to the robust mechanical design and the patented guiding system, we can

ensure reliable machine performance over an extensive life span. Due to this fact, we can also offer a performance warranty spanning over 5 years or 10 000 hours of operation!



Turn-key Delivery and Performance Testing

All machines are thoroughly tested before delivery, with advanced testing equipment from Renishaw. We use both AS XL-80 Laser for static laser measurements and Q-10 Ballbar dynamic performance for accuracy and repetition. Our turn-key delivery always includes installation, training and performance verification to secure customer operation.

PanelOne® HMI

All Select and Special machines have a specific operator panel designed according to industry standards. Panel-One is an easy-to-learn, simple-to-use machine control unit, developed specifically for water jet cutting. To increase efficiency, the panel has a touch screen with a number of time-saving functions and a uncomplicated operator desk with a joystick and the key functions.

Lifetime Support by Waterjet Specialists



The WJS service team is highly specialized within the field of water jet cutting. They are rightfully appreciated for fast, efficient support, online trouble-shooting and a high degree of personal commitment. Via our hotline support, our technical expertise is available on a 24/7 basis – and we always ship your spare parts on the very same day you order them!

Certificate



Check out how to build a water jet machine in three minutes:

