

## Straight forward 2D high quality cutting system

The X-series machines are straight forward 2D cutting systems. The systems are based on WJS high-end technology and quality standards to ensure long lifetime and continuous machine performance.

The X-series machines have all the basic features you need for quality 2D waterjet cutting, for both 4000 and 6000 bar system technology. There are also a number of optional functions available for improved operations. The X-series machine has a single Z-movement, includes the Fanuc 0i-system, and is built with the same quality table frame as the Premium models.

### TECHNICAL DATA

Construction: ..... Gantry machine (WJS worldwide patented guide system)  
 Frame: ..... Welded  
 Cutting Table: ..... Stainless Steel  
 Motion System: ..... Ballscrew  
 Control Unit: ..... PanelOne Operator HMI  
 CNC-system: ..... FANUC 0i  
 Process: ..... PWJ and AWJ (FAWJ compatible)

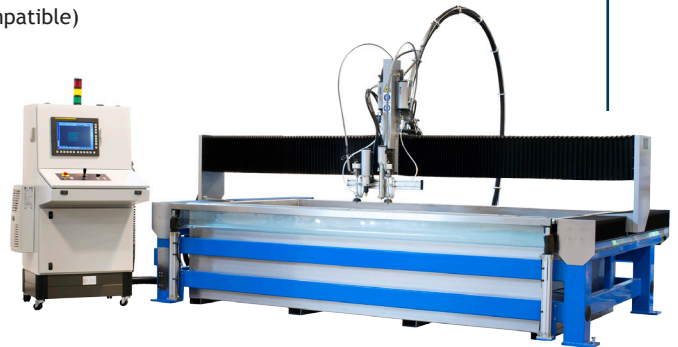
### PERFORMANCE

Maximum Z-movement: ..... 250 mm  
 Maximum Table load: ..... 800 kg/m<sup>2</sup>  
 Positioning accuracy: ..... ± 0.050 mm/m  
 Repetition accuracy: ..... ± 0.025 mm

### OPTIONS

#### Machine accessories and functions:

- Second abrasive cutting head (beam)
- Drilling unit
- Zero Point Indicator
- Workpiece Indicator System (probe function)
- Height sensor
- Collision sensor
- Unmanned operations functions
- Quick clamping
- Stainless steel covers
- Waste and water handling systems
- Online or manual abrasive feeding system
- Integrated control of abrasive level, blockage and pressure
- Remote control of HP pump in HMI
- Pressure monitoring of HP pump in HMI



### TABLE SIZE (MM)

MODEL	NCX 10	NCX 20	NCX 30	NCX 40
Width	1200	2200	3200	4200
Length	1225	1225	1705 / 2275	2275
Number of Z	1	1	1	1

## General Water Jet Sweden benefits

### WJS Worldwide Patent

WJS worldwide patented guide system (EP 0842009, PCT/SE96/00842). The patent is a mechanical, self-adjusting parallel axis system, which eliminate and handle the squareness error between two parallel axes. It gives the same high tolerance and quality performance to all WJS machines independent of size and shape, with benefits like:

- Finer tolerance
- Increased uptime
- Long lifetime on motion system
- Easy calibration on squareness



### Fanuc CNC systems

To secure Water Jet Sweden machines as high performance production tools all machines are run with Fanuc CNC systems, who has the best reliability and highest availability in the world.



### Machine Performance Testing

All Water Jet Sweden machines are thoroughly tested before delivery, using the latest technology from Renishaw, AS XL-80 Laser,  $\pm 0.5$  PPM and Q-10 Ballbar. The AS XL-80 Laser is testing the static linear, straightness, angular and circular measurements. The Q-10 Ballbar is a dynamic performance test to secure machine accuracy and repetition.

### WJS Motion Systems

WJS motion systems are specifically designed to fit the waterjet cutting processes and are chosen to fit WJS worldwide patented guide system. Our Ballscew and Linear drives gives dynamic tolerance and high cutting performance.

### PanelOne® HMI

All machines are equipped with WJS PanelOne HMI. PanelOne is an easy to use and easy to learn machine control unit. PanelOne has a touch screen operator panel, operator desk with joystick and main function keys, online diagnostic and a number of time saving operating functions.

### Turnkey Delivery

To secure machine performance and customer operations Water Jet Sweden always deliver turnkey production units, including installation, training and performance testing, and offer support by WJS service team.



### Service and Support

WJS service team are specialized in waterjet cutting. They are famous for quick problem solving and personal engagement. With our hotline support our technical expertise is available 24/7 and we always send spare parts the same day. With WJS worldwide support and spare parts you get better machine performance, lower cost, improved uptime and longer lifetime.

### CERTIFICATE

