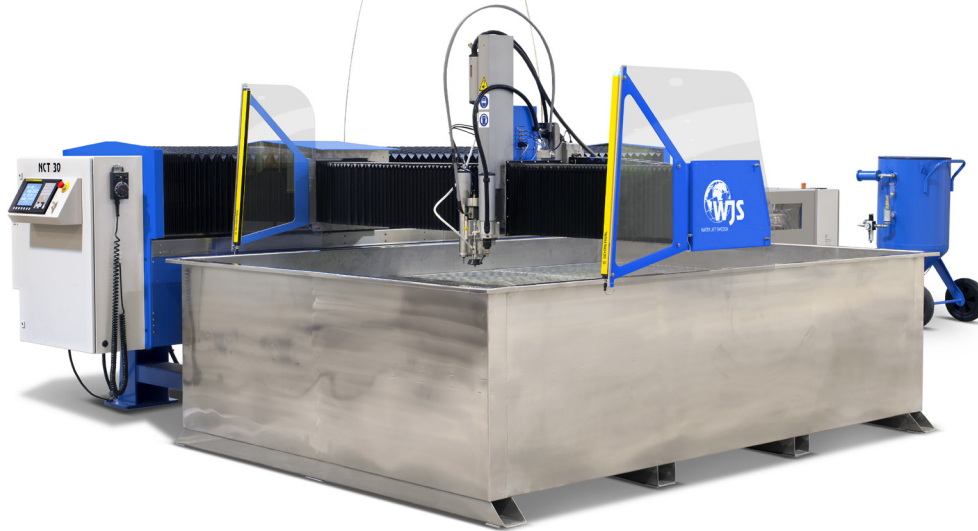


A complete water jet cutting tool equipped for 2D abrasive cutting



T-model has a 3 x 2 meter cutting table and fit multiple cutting needs. It is especially suitable for operations like prototype workshops, spare part- or in-house job shops, where the need is cutting single or bespoke parts in different kinds of material. The machine system is delivered as a complete ready-to-cut solution including installation and training.

INCLUDED	
Machine	NCT 30 with a 3 x 2 meter cutting table
Armament	Abrasive Cutting Tool
Control	Fanuc 0iMF, WJS HMI, 8.5" Touch Screen
CAD/CAM	IGEMS
Ultra-High Pressure Pump	BFT Ecotron 30 HP 3800 bar
Abrasive Supply System A	Pressure Vessel 200 l

DESIGN FEATURES

Construction: Flying Bridge
 Frame: Welded Steel Beams
 Cutting Table: Stainless Steel
 Covers: Bellow
 Motion System: Ballscrew
 Cutting Heads: One
 Process: AWJ/PWJ

PERFORMANCE

Maximum X-movement: 2010 mm
 Maximum Y-movement: 3010 mm
 Maximum Z-movement: 200 mm
 Maximum Table Load: 1200 kg/m²
 Positioning Accuracy: ± 0.08 mm/m
 Repetition Accuracy: ± 0.05 mm

OPTIONS		
Abrasive Removal System	Membrane Pumps, Tip container and Sediment Tank	When there's a need for continuous sludge removal from the water tank
Abrasive Supply B	Abrasive Tower 1 ton, Pressure Vessel 200 l	For full time cutting
Abrasive Supply C	Abrasive Tower 1 ton, Online Pressure Vessel	For continuous cutting 24/7
Abrasive Monitoring Package	Feeder Level, Blockage Control. Pressure Vessel Monitoring	For improved uptime
Head Protection Package	Zero Point Indicator, Height Sensor, Collision Sensor	For unmanned production
Remote Operator Software	WJS HMI Software for PC	For graphic interface and CAD/CAM management
CAD/CAM packages and modules	Choose Limited or Professional packages or task specific software plugins	CAD/CAM modules for specific cutting needs, like sign making, tile cutting and part nesting
Drilling Tool	WJS Original Drilling Unit	For cutting composites, sandwich constructions and similar materials.
Water Softener	Water Softener AH Duplex	When water test show need for adjustment
4000 bar upgrade	BFT Ecotron 50 HP, 4000 bar	Stronger pump for increased cutting speed and thickness
6000 bar upgrade package	KMT Pro 60 HP pump, KMT Pro Cutting Head and 6000 bar tubes and piping	For cutting thick materials and high speed cutting

PRODUCT	SPECIFICATION	T-MODEL	T-MODEL ADVANCED	H-MODEL	H-MODEL ADVANCED
Machine System NCT	NCT Flying Bridge Machine, Cutting Table 3 x 2 m, Fanuc 0i-MF control system	●	●	-	-
Machine System NCH	NCH 30 Gantry Machine, Cutting Table 3 x 1.5 m, Fanuc 0i-MF control system	-	-	●	●
HP Pump System	BFT Ecotron, 30 HP-pump, 3800 bar	●	●	●	●
Cutting tool	WJS Classic Cutting Head, Abrasive Feeder SM3000	●	●	●	●
CAD/CAM Software	IGEMS (CAD, CAM and AWJ)	●	●	●	●
Remote Operator SW	HMI-software for PC	○	●	○	●
Head Protection Package	Zero Point Indikator, Height Sensor and Collision Sensor	○	●	○	●
Machine Safety T-model	Lightbeam Safety System	●	●	-	-
Machine Safety H-model	Wire Mech Panel Machine Guards	-	-	●	●
Abrasive Supply A	Pressure Vessel 200 l	●	-	●	-
Abrasive Supply B	Abrasive Tower 1 t/Pressure Vessel 200 l	○	●	○	●
Abrasive Supply C	Abrasive Tower 1 t/Online Feeding System	○	○	○	○
Abrasive Removal System	WJS Standard: Membrane Pumps, Sedimentation Tank, Tip Container	○	●	○	●
Abrasive Monitoring package	Feeder Level/Blockage Control/Pressure Vessel-Level-Alarm	○	●	○	●
Service	Specification				
Operator Training T/H-model	CAD/CAM, machine and pump training	●	●	●	●
Operator Training Advanced	Training specific Advanced Package functions	○	●	○	●
Installation	On site Installation Support	●	●	●	●
Startup	Machine startup and SAT	●	●	●	●
Optional T- and H-model	Specification				
CAD/CAM Modules	Modules for specific cutting needs and efficiency	○	○	○	○
Drilling Tool	WJS Original drilling unit	○	○	○	○
Water Softner	Water Softner AH Duplex	○	○	○	○
4000 bar upgrade	BFT Ecotron, 50 HP-pump, 4000 bar	○	○	○	○
6000 bar upgrade package	1 x KMT Pro 60, 1 x KMT Pro cutting head, 6200 bar connections and tubing (std layout)	○	○	○	○
Optional H-model	Specification				
Duo Head 4000 bar upgrade package	1 x BFT Ecotron 50 HP, 2 x WJS Classic cutting head w/ beam, 2 x Feeder SM3000	-	-	○	○
Duo Head 6000 bar upgrade package	1 x KMT Pro 125 HP Pump, 2x KMT Pro cutting head, 2 x Feeder SM3000	-	-	○	○
NCH 10	NCH Machine table size 1 x 1 meter	-	-	○	○
NCH 20	NCH Machine table size 2 x 1 meter	-	-	○	○

● = included
○ = optional
- = not available