

i-CUT waterjet ECO-NT

£ 68,999

Due to the minimal investment costs, the iCUT water eco range is particularly well suited for individual pieces and small production series. The complete pump and abrasive technology is integrated in the machine. As such, it is easy to transport and fits in anywhere, with its installation space of less than 2 x 2 m. In conjunction with the energy-saving pump and the flexible possibilities of waterjet cutting, the iCUT water eco II is the ideal workshop machine. The I-CUT Waterjet can cut nearly all materials up to 10 mm (softer materials up to 30 mm) and are very popular in small companies and education.



HIGHLIGHTS:

- Machine construction from proven and stable profile structure
- Complete enclosure with doors/accesses front and rear for clean safe operation
- Protected, durable, circulating ball screw drives
- High pressure pump, guide machine, CNC control MADE IN GERMANY!
- Post processor, CAD/CAM software based on Windows® (comprehensive import interface, e.g. for BMP, DXF and many other file formats)
- Minimal space requirement (high pressure pump, sand conveyance, controller all integrated into the machine frame)
- Integrated 7.5kw 1500 bar pump
- Travel stroke: 1000 x 600 mm (X/Y)
- Dimensions: 2150 x 1650 x 1964 mm
- KW Max. working pressure: 7.5kw/14.7hp 1500 bar
- XY Drive system: DC-Servo
- Z axis manual, no motor
- include machine housing
- passage Z 70mm
- ball screw spindles in XY: 16 x 5 mm
- full installed control cabinet (800x600x250mm)
- The table load amounts to 250 Kg/m2
- integrated 30kg abrasive tank, settling tank and dosing
- high speed abrasive cutting head with ruby nozzle
- complete cutting software
- Windows multi language file type DXF & BMP
- integrated high-pressure pump - with cutting table/tank

i-CUT waterjet ECO-NT

£ 68,999.00

Price includes:

7.5kw high-pressure plump, 30kg abrasive storage container, 2 x 25kg 120 Abrasive media, Abrasive cutting head starter kit with 5x 0.30mm nozzles, 2 x 0.91mm focus tubes, replacement bursting disc, splash guard, Delivery, Commissioning and Training.

High pressure pump

(direct pump, no pulsations damper needed)

performance:	7,5 kw
KW Max. working pressure:	1500 bar
flow rate:	2,0 l/min
fuse protection:	32 A (languid)
nozzle:	0.30 mm

Required water values:

electrical conductivity:	100 – 390 μ S/cm
recommended pH:	7,0 – 9,0
total hardness:	1,5 – 10° dH
water temperature:	5 – 30°C
chloride (Cl):	0-30 mg/l
pre-pressure:	3 Bar

Electrical connection values Controlling/PC-Cabinet

Fuse protection	32 A
Operating voltage	400 Volt
Operating voltage for drives	48 Volt

(protection via RCD switch for pulsed continuous current)
connecting: 400 V 16 A at 50/60 HZ

Windows (multi language) *

Logosol-basis – Machine control
CNC GEN 2D-2*1/2D Code generating software,
import of .dxf and .bmp files
Programming language according to DIN 66025
Dynamic Material Database

Alternative Pumps and machine configurations are available on request, please contact your sales manager for full details

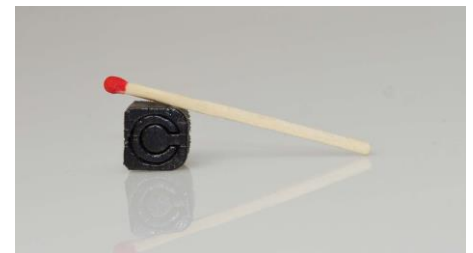
High-pressure clean cuts at 1500bar.

up to 10mm mild steel
up to 10mm stainless steel
up to 10mm Titan
up to 10mm Granite
up to 15mm Copper
up to 15mm various plastics
up to 15mm natural wood
up to 20mm Aluminium
up to 20mm Glass
up to 25mm Marble
up to 25mm Rubber
up to 30mm various foam materials

These values are guidelines for material thicknesses that can be easily and economically cut with a clean edge.

In addition, other materials and thicknesses can also be cut by the reduction of the cutting speed and finish required depending on the type and thickness of the material.

Please contact us, if other materials / thicknesses are required.



Technical data	iCUTwater eco II 0610	iCUTwater eco II 0611
Machine dimensions (W x H x D) in mm	2150 x 2400 x 1750	
Machine weight in kg	approx. 1500 to 2500	
Travel ranges (X / Y / Z) in mm	1000 / 600 / 100	
Travel speed in m/min	5	
Table bearing capacity in kg/m ²	max. 250	
Gantry clearance in mm	70 (optionally 150)	
Repetition accuracy in mm	± 0.02	
Positioning accuracy in mm	± 0.08	
Drive type	Servo motors	
Drive elements (X / Y / Z)	Ball screw, adjustable without play	
Guides	Linear guides with ball circulation slides	
Connection voltage	16 A / 400 V	
Pump type	imes-icore 1.5 to 1500 bar	Uhde (Thyssen-Krupp) up to 3500 bar
Operation	14" notebook and operating keys	
Software	Cos4Mos software package	

Please Note:

The machine will be delivered boxed and a forklift is required for unloading.
 Weight & dimensions boxed approx. 3mtr L x 2mtr W x 2.4mtr H 1050kg
 Unloading and positioning quotes available on request.

Remote maintenance and process diagnostic with service tool NetViewer:

We recommend a fast internet access at machine for remote maintenance and diagnostic access by means of the program NetViewer through our service technicians.

The indicated travel stroke refer to the machine without accessories.

ECO-NT control components are designed for a typical ambient air temperature of 15 ° C to 25 ° C.
 Should your ambient air temperatures be outside this range, we recommend you use an aircon system for the electronics box.

Notes

All Equipment is supplied with installation, Commissioning & Training,
 Offloading & Positioning of machines is the customer's responsibility forklift required
 Positioning and unloading quotes available on request.
 Electrical, water & pneumatic connection of machine is the customer's responsibility.

All Prices	Exclude VAT.
Delivery	Approx. 15 wks.
Terms	50% before shipping balance 30 days
Quotation valid:	30 days.
Warranty	12 months
E&OE	