

## CMS Tecnocut Idroline S 1730 CNC Waterjet Cutting System



The CMS Tecnocut Idroline S is the most advanced Waterjet Cutting system available on the market today and is the top line model of the CMS compact Waterjet offering.

Combining over 20 years of CMS technology, CMS have created a machine in the Idroline that combines operator efficiency, minimum maintenance and ergonomics in one machine to a level never before seen in a waterjet cutting system.

The most advanced innovation that the Idroline S offers is its unique automated Dredge system. This utilises a heavy duty conveyor that runs in a valley in the centre of the tank and passes the used abrasive up and out of the tank into a waste container. The result is no manual abrasive removal which is often a labour intensive and dirty task that every waterjet operator generally has to undertake. This is a huge innovation and sets the Idroline S apart from other waterjet machines on the market.

Another key feature is the automatic raise & lower front and rear doors built into the CNC control. With excellent visibility panels built in for operator viewing, these doors transform an often messy and wet Waterjet machine environment into a clean and enjoyable cabin-like envelope more often found in precision machining



facilities.

Other class leading features are the standard 350mm Z axis capacity allowing the machining of extremely thick materials and an optional Pipe Cutting Unit allowing profiling of pipes & tubes up to 500mm in diameter.

Standard with the CMS Waterjet Range is their powerful Tecnocam CAM and Nesting optimisation software with full training and installation provided on the system and software. Also standard on the Idroline S is an automated machine maintenance feature built into the CNC providing instant visibility of the consumable and abrasive use and maintenance recommendations.

See the options list for more details on further Waterjet Pump and customisation options on the Idroline S range.

## Features

- 3 Axis Gantry frame with Stainless Steel tank
- Automated Conveyor Dredge system for abrasive removal
- Automatic CNC Controlled raised & lowered front and rear doors providing totally enclosed cabin
- Ground Rack & Pinions with Brushless Servos motor drives
- Automatic Axis lubrication
- Control Console mounted on corner of machine
- Electronic management of Abrasive consumption with feedback of cut parameters
- Tecnocut 3 Axis Cutting head with automatic height adjustment, Abrasive or water capability, automatic dispenser and mixing chamber
- Photoelectric Safety Barrier system
- Powerful TecnoCam Machine Control and Nesting software
- Pressurised Abrasive feeding system with 330KG capacity
- Remote control

## Technical Specification

|                       |  |
|-----------------------|--|
| MODEL                 | Idroline 1730                                      |
| Table Dimensions mm   | 1700 x 3000  |
| Z Axis Height mm      | 350 (250mm with 5 Axis Head)                       |
| Rest Surface mm       | 3700 x 2050  |
| B Axis (5 Axis)       | +/- 60°  |
| R Axis (Pipe Cut)     | 42-508mm Dia x 2570mm length -<br>400KG Max Weight |
| Overall Dimensions mm | 5700 x 2700  |
| Weight KG             | 4000   |

## Options

- Single 5 Axis Bevel Head
- 3 Axis Std head and 5 Axis IKC Bevel Head
- Two 5 Axis IKC Bevel Heads
- Pipe Processing unit for profiling up to 500mm diameter
- Various table slat arrangements to suit different materials
- 30HP Easypump
- 60HP Easypump
- 30HP Jetpower Air/Oil Pump
- 60HP Jetpower Air/Oil Pump
- 120HP Jetpower Air/Oil Pump
- Laser Location Pointer
- Anti Collision Feeler system
- 3 Axis Drilling Unit
- 2000KG Abrasive Feeding System