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# CMS TECNOCUT IDROLINE S 2040/60 WATERJET CUTTING MACHINE 415V

CMS Tecnocut Waterjet machines are constructed in Italy to a very high standard and incorporate features such as a built in dredging system and an advanced parallel pressure intensifier. The advantages of their intensifier design include constant pressure of the water jet together with low maintenance requirements.  They have developed their own Windows based CAM system for the control of the entire cutting process, including a comprehensive materials database. Optional machine configurations include multi head and bevel cutting versions as well as a highly flexible rotary tube cutting system.

## FEATURES

- Profile cutting for a wide range of materials and capacities
- Prevents heat distortion to profiled component on cutting zones
- Excellent cut surface rarely requires secondary finishing operation
- Gantry type construction
- Separate gantry to the machine bed ensures accuracy even under high table loadings
- Completely enclosed axis guide system preventing ingress of water and dust
- Dual synchronised drive system
- Accurate positioning and repeatability with high precision rack and pinion guide system
- Z axis up to 350mm on 3-axis
- Automatic cutting height control
- Supports both abrasive and pure water jet cutting processes
- Air and water spray system for cleaning cut zone
- High speed abrasive cutting head with an automatic feeding system
- Advanced parallel cylinder pressure intensifier
- Low maintenance requirements
- Automatic sludge removal system
- Ergonomic CNC control unit with remote hand held console

## OPTIONS

- Additional 3-axis cutting head
- Upgrade to 5 axis bevel cutting head with 250mm Z axis
- Rotary pipe cutting axis up to 500mm diameter
- Laser pointer for positioning
- Anti-collision feeler system
- Drilling unit for 3-axis cutting head
- Drilling unit for 5-axis cutting head
- High capacity abrasive feeding system (2000kg)
- Electronic water level control
- CAM software to control entire cutting process

## TECHNICAL INFORMATION

| MODEL | | Idroline S 2040/60 |
|---|---|---|
| Pump Power | HP | 60 |
| X Axis Travel | mm | 4000 |
| Y Axis Travel | mm | 2000 |
| Z Axis Travel | mm | 350 |
| Speed Range | mm/min | 0 - 40000 |
| Table Size | mm | 4650 x 2050 |
| Table Loading | kg/m² | 1000 |
| Length | mm | 6700 |
| Width | mm | 3000 |
| Height | mm | 3800 |
| Weight | kg | 4500 |