

Command thc



Özellikler :

Superior height control

- The system will respond to arc voltage changes of less than 1 volt.
- Maximum speed of retract exceeds 200 ipm(5.0 m/min). Built-in Ohmic touch-retract initial height sensing(IHS) feature ensures accurate, repeatable initial piercing height settings.
- A work-clear feature senses the loss of Ohmic contact for accurate positioning, even on thin, flexible sheet metal.
- Built-in motor-stall IHS feature is always active and serves as a back-up for the Ohmic IHS, when cutting non-conductive material surfaces, such as painted plate or underwater cutting.
- Rapid pull-back feature moves the torch away from the workpiece if a touch is detected during cutting.*This collision avoidance feature will prevent crashes such as workpieces that tip up or buckle.
- CNC-controlled arc voltage control can be disabled during cornering to keep the torch from diving at corners.

- Over-voltage protection automatically eliminates "torch diving" during large, out-of-limits arc voltage fluctuations; such as kerf crossings or cutting off the edge of a plate.*
- Built-in, advance preflow reduces cycle time by allowing gas to preflow during the IHS cycle.
- Optional breakaway is designed to reduce or eliminate damage to the torch due to accidental collisions in all axis.

Flexible operation

- An optional operator control pendant with backlit liquid crystal display allows easy system setup, operation and monitoring.
- Distances can employ inch or metric units.
- Programmable set points for cutting height via operator control pendant.
- Programmable delays for pierce time, machine motion acceleration time and torch retract delay time.
- All features and parameters can be set remotely via RS422 serial interface, for complete CNC control.
- System designed to work with any AC line input voltages currently available worldwide.
- System diagnostics can be displayed or transferred to the CNC.

Optimized X-Y torch lifter station

- Advanced-technology, high-torque motor allows 50-pound(25 kg) load capacity.
- 8 inches(203 mm) active stroke.
- 200 ipm(5 m/min) maximum z-axis travel speed.
- Positioning resolution 0.001 inch(0.025 mm).
- Moving mechanical parts are protected from the environment by a Teflon-coated, fiberglass sealing band and a mechanized shield.
- Moving parts are dry lubricated; no oil lubrication is required.
- Non-contact/inductive, upper and lower-limit switches.

Maximum reliability

- Heavy duty, 100% duty cycle.
- Built-in power-up diagnostics.
- Backed by Hypertherm warranty: two years on all control modules, one year on torch lifter station.