



The **Veracity EtherCAT Drive System** is our adaptive solution to upgrade your existing machine with all the features and power of a modern cutting system.

The **V-CAT Drive System** provides a full-featured overhaul for motion and control automation of your machine. It is engineered to enhance speed, accuracy, and productivity by utilizing the latest advances in electronics, mechanical components, and communication technology. At only 1/3 the cost of a new machine, this package delivers an affordable alternative with advanced capabilities to increase production rate and fabrication quality.

Visit veracitytechs.com for videos and more information.

Why Retrofit Now?

- Old components won't last forever and you don't want to push your machine until something breaks down.
- Outdated parts are often discontinued and unavailable or have long lead times and high costs.
- Buying used replacement parts comes with no warranty and they are more likely to fail.
- Waiting to upgrade may lead to more frequent maintenance and higher costs to upkeep.
- Planning ahead of machine failure insures future reliability and good returns on investment.
- Upgrading to the latest products offers many great benefits such as better cut quality, extended consumable life, more efficient power and gas consumption, and easier operation.

Gantry Mounted Console



The **Gantry Mounted Console** is designed for machines with a mobile operator console. It supports up to 5 drives and 12 stations and its compact size fits almost any machine.

V-CAT Operator Console

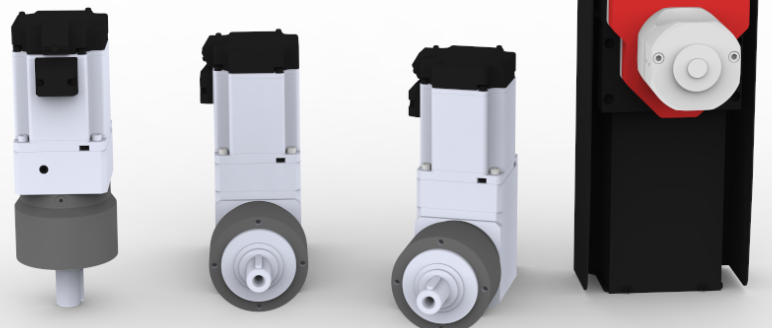
- Lifter control buttons support up to 12 stations
- 2 USB 2.0 ports for additional peripherals
- Drive power enable and emergency stop button
- Hypertherm EDGE Connect TC CNC includes fully-integrated control software that is quick and easy to learn with minimal training
- Provides repeatable and consistent results with full suite control by Hypertherm
- Hypertherm TrueHole and Rapid Part technologies provide fast and accurate cut quality

V-CAT Drive Cabinet

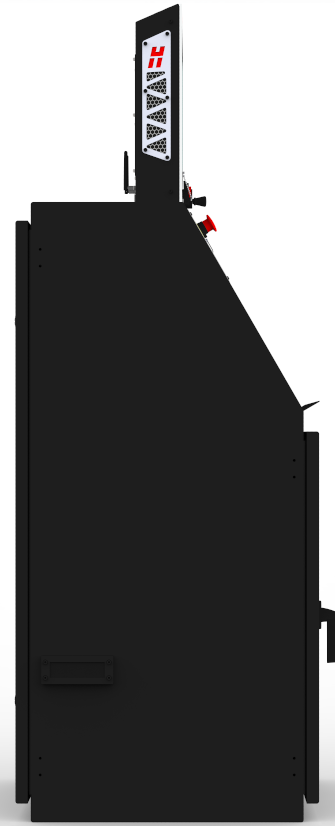
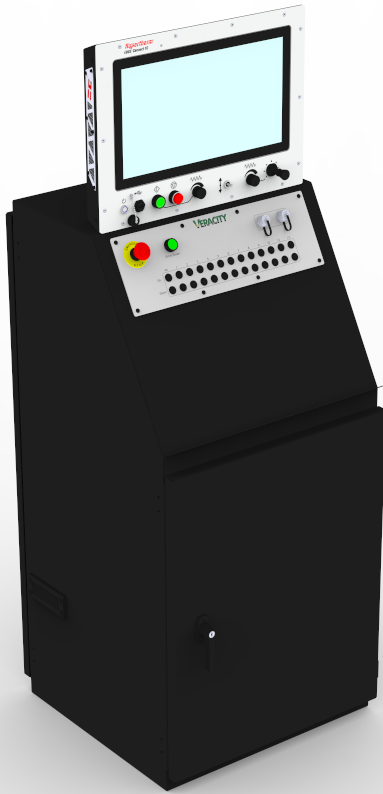
- Beckhoff EtherCAT protocol delivers fast, flexible, and precise ethernet communication for industrial automation control
- Plug and play design makes it easily expandable and simple to install
- Supports up to 5 drives with 2 plasma stations and 12 oxy-fuel stations

V-CAT Motion Package

- Full-featured torch height control integrated with the Hypertherm EDGE Connect TC CNC
- Automated Initial Height Sense and automatic arc voltage sampling with position control
- Optional customized motor brackets available to accommodate almost any machine
- Optional straight or helical rack and pinions available at request
- Powerful Rexroth IndraDyn S Servomotors with absolute encoders
- High precision, low backlash gearboxes
- Magnetic breakaway torch holder



Custom Remote Console



The **Custom Remote Console** is designed for machines with a floor mounted operator console. It is engineered to be modular with workstation preferences in mind and supports up to 10 drives and 12 stations. Custom configurations are available at request.



Additional Storage & Utility

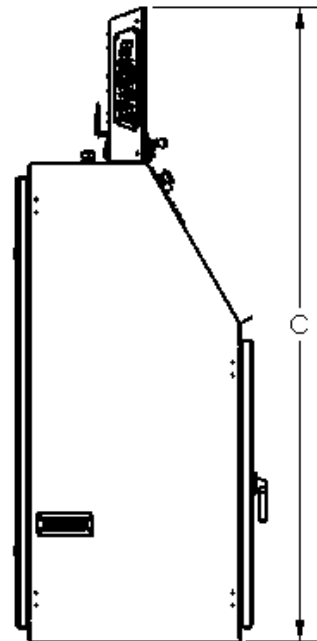
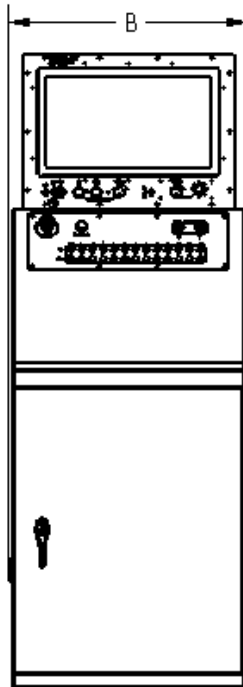
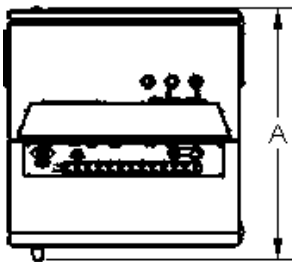
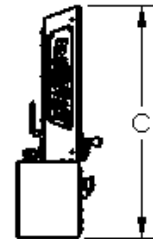
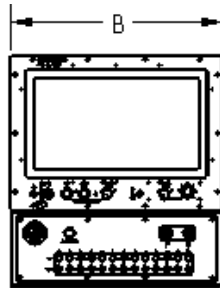
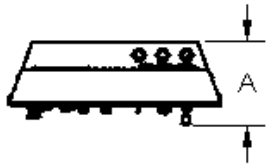
- Adjustable storage shelves for tools and consumables
- Powder coated surfaces and galvanized steel shelving
- Front door may be securely locked with keyed cam latch handle

Increased Space & Accessibility

- Door hinges may be mounted on either side of console for preferred accessibility
- Ample mounting space provides room for additional components and future upgrades

Specifications

Operator Console	Gantry Mounted Console	Custom Remote Console
Length (A)	8.75"	26.25"
Width (B)	22"	25"
Height (C)	24.25"	66.25"
Maximum Number of Stations		12
Maximum Number of Plasma Stations		4
Maximum Number of Oxyfuel Stations		12
Power Requirements	240V 30A Single or 3-Phase	



Email sales@veracitytechs.com or call **918-487-3100** to request a quote.



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