

# Mazak SmartBox

## Revolutionary Data Collection, Analysis and Security Platform

### BIG DATA IS THE FUTURE OF MANUFACTURING

Developed with large production environments in mind, Mazak SmartBox provides an easy, secure entrance into the Industrial Internet of Things (IIoT). Serving as an end-to-end platform, SmartBox allows manufacturers to collect, analyze and protect the big data sets that become available when connecting machines, software and other devices to a network environment.

### FREE-FLOW DATA SHARING

SmartBox harnesses the power of MTConnect,® along with hardware from Memex and Cisco, to give Mazak owners amazing insight into their machining operations. Together, these elements create a secure, digitally connected production environment where data sets become actionable intelligence for improved productivity and responsiveness to market changes.

### MAXIMUM DATA SECURITY

SmartBox eliminates the security concerns that come with connecting legacy equipment, such as older Windows-based machine tool controls, to a network for the purpose of collecting data.

MTConnect-enabled hardware adapter boards from Memex are what allow legacy equipment to join free-flow data sharing environments, while an underlying Cisco networking platform allows IT staff to easily control and manage network security.

Overall, the network isolation provided via the SmartBox platform prevents unauthorized access to any communications taking place between the machines and equipment within a network.

### PLANT-WIDE CONNECTIVITY

We use SmartBox to monitor, analyze and protect manufacturing cell data in our Kentucky-based Mazak iSMART Factory™, which centers around plant-wide connectivity and free-flow data sharing. As such, we can securely take full advantage of IIoT and achieve levels of productivity never before possible.

### SIMPLE INSTALLATION

SmartBox works with any Mazak machine regardless of make, model or age. One unit can serve several machine tools and other associated manufacturing equipment. The unit mounts to the side of a machine tool and does not require a direct connection to the electrical cabinet.

With several standard input/connecting ports, SmartBox makes it quick and easy to connect any standard off-the-shelf sensors to the system for machine data gathering and condition monitoring. Furthermore, SmartBox is available in a variety of configurations/kits to accommodate different production scenarios.



### WANT TO LEARN MORE ABOUT COLLECTING, ANALYZING AND PROTECTING DATA?

Contact us at **859.342.1700** for more information on an easy, secure entrance into the IIoT.



[www.MazakUSA.com](http://www.MazakUSA.com)