

Mazak SmartBox® FAQs

Revolutionary Data Collection, Analysis and Security Platform

WHAT IS SMARTBOX?

Mazak SmartBox is a revolutionary launch platform for easy and highly secure entrance into the Industrial Internet of Things (IIoT). It is a scalable solution that connects your manufacturing equipment to your factory network and allows the free flow of information to your management systems via MTConnect® for Overall Equipment Efficiency (O.E.E.).

WHY DO I NEED SMARTBOX?

SmartBox provides advanced cyber security protection and gives IT departments and factory owners confidence to digitally integrate their manufacturing operations. It enables manufacturers to access real time data to improve overall productivity and respond to customer/market changes.

WHAT MAKES SMARTBOX SO SECURE?

The Mazak SmartBox includes a *Layer3 Managed Switch*, which is state-of-the-art security hardware similar to that found in many IT server rooms, but industrialized for the factory environment.

IS SMARTBOX ONLY FOR MAZAK MACHINES?

No. SmartBox works with any machine regardless of make, model or age.

CAN I CONNECT MULTIPLE DEVICES TO ONE SMARTBOX?

Yes, but connections may be limited if you plan to add or use the sensor options.

WHO INSTALLS SMARTBOX ON MY DEVICE?

Mazak technicians will install SmartBox on Mazak machines; however, mounting the box or power connections to non-Mazak machines is not supported by Mazak technicians.

WHO CONFIGURES SMARTBOX?

SmartBox has a default configuration. Each customer's IT department is responsible for verifying the configuration of the network gear and making the final connection to their network.

WHAT ARE THE BENEFITS OF USING SMARTBOX?

SmartBox offers many benefits that will likely increase as new technology emerges. It is designed to be a launch platform for anything IIoT — now or in the future.

- Secures the machine from the network
- Secures the network from the machine
- Enables Edge/Fog computing and analytics
- Uses MTConnect as standard supported protocol
- Enables easy monitoring of equipment status and utilization

