Mazak iSMART Factory™

Data collection, utilization   and analysis

SMOOTH Monitor Ax

- Timely action by monitoring operation of entire plant
- Improved productivity by analysis of manufacturing data
- Production results database
- Accessible by smart phone / tablet

Utilization monitoring, data accumulation and analysis

Office

Office Network

MtConnect Database

MTConnect®

Open network communication protocol for production equipment. Easily integrate machine tools from any manufacturer in a factory network.

Mazak SMART BOX

Ensures cyber security

SECURITY

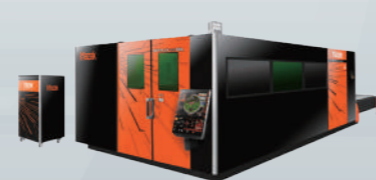**Machine utilization data**

MTConnect®

Secure file transfer

Transfer data safely (eliminate security risk of using USB flash memory)

Factory Network

Machine tools   **Laser processing machines**   **Other manufacturers' production equipment**   **Additional sensors data collection**

Factory

- Mazak machines
MTConnect adapter software required for in all production equipment

Mazak SENSOR BOX

- Electrical power consumption (up to 500A)
- Status light
- Coolant temperature / level

- Sensor data converted to MTConnect® format