

MAZAK DATA ITEMS

DataXchange Machine Monitoring Data Items

Scytec DataXchange utilizes direct connectivity to acquire data for DataXchange machine monitoring. Below you can find the specific data items that can be collected from **Mazak Smooth Series** controllers. Data can then be visualized into useful manufacturing dashboards and charts, used with DXIQ, or by Vericut CNC Machine Connect.

Data Items Collected

Alarms
Alarm Code
Alarm Detail
Alarm Status
Common Variable
Connected Time
Cycle Status
Emergency Stop
Feed Hold
Feed Rate Override
Mode Selection
Part Count
Part Number Executing Program
Part Number Main Program
Path Feed Rate
Program Comment
Program Executing
Program Main
Program/Optional Stop
Rapid Override
Spindle Override
Spindle Speed
Spindle Load
Tool Number

Data Items Description

The list of active alarm numbers reported
The active alarm number without the description
The active alarm number and description
The alarm status of the control
The current value held by the specific common variable
The amount of time in seconds since a successful connection
Whether a machine is in cycle or idle
Whether or not the machine is in emergency stop
Whether or not a machine is in a feed hold
The active feed rate override setting as a percentage
The current setting for the mode selection
The current part count
The part number read from the executing program
The part number read from the full main program
Feed rate for the selected path
Program comment matching the search key
The main or sub program currently executing
The main program currently executing
Whether program has stopped due to an M0/M1 code
The percentage of the rapid traverse override
The percentage of the spindle override for the specified spindle
The spindle speed for the specified spindle
The spindle load for the specified spindle
The active tool number