



The Hub® Software Representational State Transfer (REST) Application Program Interface (API)

The Hub's REST API is accessible through the same domain as the web interface. For example, if The Hub and API are accessible from a network location.

NOTES *This information is current and applicable as dated 12/08/2021; RJG makes no guarantee that this information is or will be applicable to future release(s) of this product.*

REQUEST ENDPOINT FOR JOBS

Use the endpoint to get additional details for a specific job.

RESPONSE PROPERTIES

PROPERTY	TYPE	DESCRIPTION
id	String	The ID used for referencing the job.
machineName	String	The name of the machine.
moldName	String	The name of the mold.
processName	String	The name of the process.
startTime	Integer	The starting timestamp for the job (in milliseconds).
endTime	Integer	The ending timestamp for the job (in milliseconds).
runTime	Integer	The total duration for the job (in milliseconds).
downTime	Integer	The total down time for the job (in milliseconds).
machineState	String	The last machine state for the job; possible values are "Running", "Stopped", "Down", or "Syncing".
sortState	String	The last sorting state for the job; possible values are "Good" or "Reject".
alarmState	String	The last alarm state for the job; possible values are "Good", "Warning", "Alarm", "No Alarms Set", or "No Alarm Tool".





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RESPONSE PROPERTIES *(continued)*

PROPERTY	TYPE	DESCRIPTION
machineMatch	String	The last machine match value for the job; possible values are “Good”, “Warning”, “Alarm”, or “No Match”.
materialMatch	String	The last material match value for the job; possible values are “Good”, “Warning”, “Alarm”, or “No Match”.
moldMatch	String	The last mold match value for the job; possible values are “Good”, “Warning”, “Alarm”, or “No Match”.
connected	Boolean	Indicates whether the machine is currently connected or disconnected.
processCurrent	Boolean	Indicates if the current machine, mold, and process for the job matches the current CoPilot configuration.
excessiveRejectCount	Integer	The total number of times that an excessive reject output was triggered.
sortingDisabledCount	Integer	The total number of cycles that ran while sorting was disabled.
secondaryVpCount	Integer	The total number of times that V→P has fired off a secondary control.
currentTemplatedId	String	The ID used for referencing the currently configured template.
rejectPercent	Float	The percentage of reject cycles when compared to total cycles.
downTimePercent	Float	The percentage of down time when compared to the total run time.
totalCycles	Integer	The total number of cycles that the job has completed.
goodCycles	Integer	The number of cycles in the job that were flagged as “Good”.
rejectCycles	Integer	The number of cycles in the job that were flagged as “Reject”.
alarmCycles	Integer	The number of cycles that triggered an alarm state.
alarms	Array	A list of Alarm Objects (see below).





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ALARM OBJECTS

PROPERTY	TYPE	DESCRIPTION
name	String	The name of the alarm.
alarmCountAbove	Integer	The number of cycles during which the named value was above the alarm limit.
alarmCountBelow	Integer	The number of cycles during which the named value was below the alarm limit.

