

Title: KHAN ‘Jump To’ Feature (Start Parameters)
Document Type: Technical Note
Product: MSP 1232
Number: CSI0156
Installation Time: n.a.
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Units Affected:

Distribution: Inform all involved Evatec sites and Evatec Representatives.
 → Local Organisations please forward to Customers and Service Engineers.

Operator level: Service Maintenance

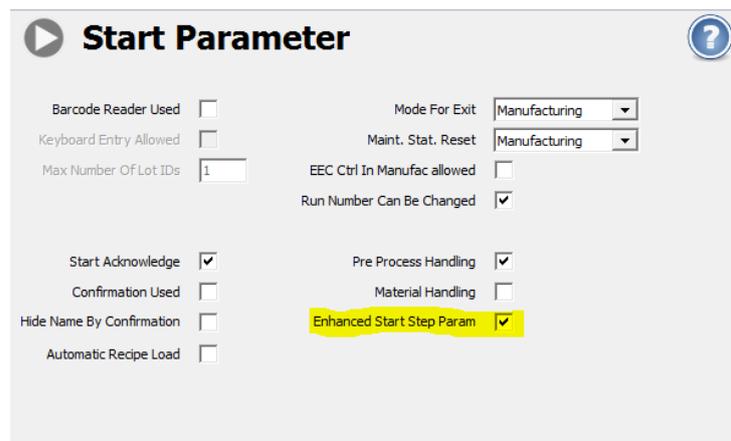


Motivation: The “Jump To” feature is a powerful tool to resume aborted process runs. However, some restrictions must be considered.

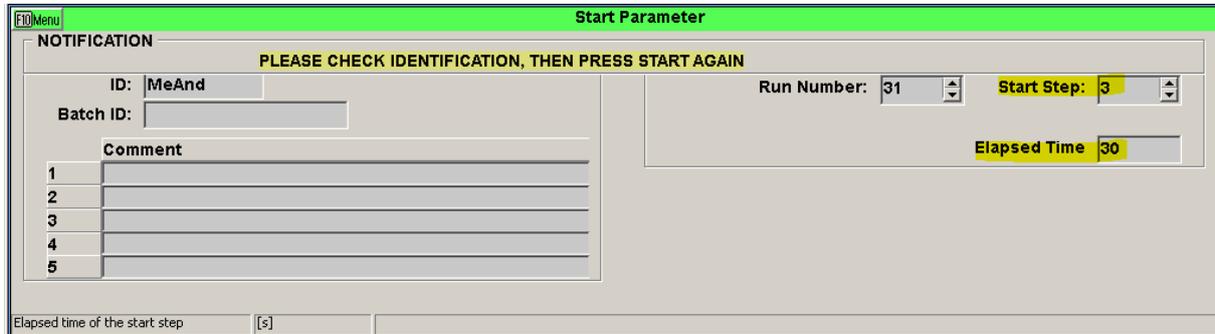
Description: If a process run had to be aborted (e.g. to do a KHAN restart) even though the layer quality is good, the batch might still be finished and saved using the “Jump To” feature.

Important conditions for a successful process finish are that the process quality is good until the moment of abort and that the monitoring glass is unchanged.

In order to get access to the “Jump To” feature, set the according parameter “Enhanced Start Step Param” in the KHAN Software Configuration



If a run had to be aborted in step 3 after 30s of coating, it can be resumed by starting the same recipe again with the according start parameters for "Start Step" and "Elapsed Time".



Remark: The "Jump To" feature is a powerful tool, but it is NOT recommended to use after changes on the GSM measurement. For example:

- GSM lamp exchange
- Re-adjustment of the GSM optical head or fiber
- Re-adjustment of GSM light intensity
- Exchange of Monitoring glass or manipulation on the monitoring segment

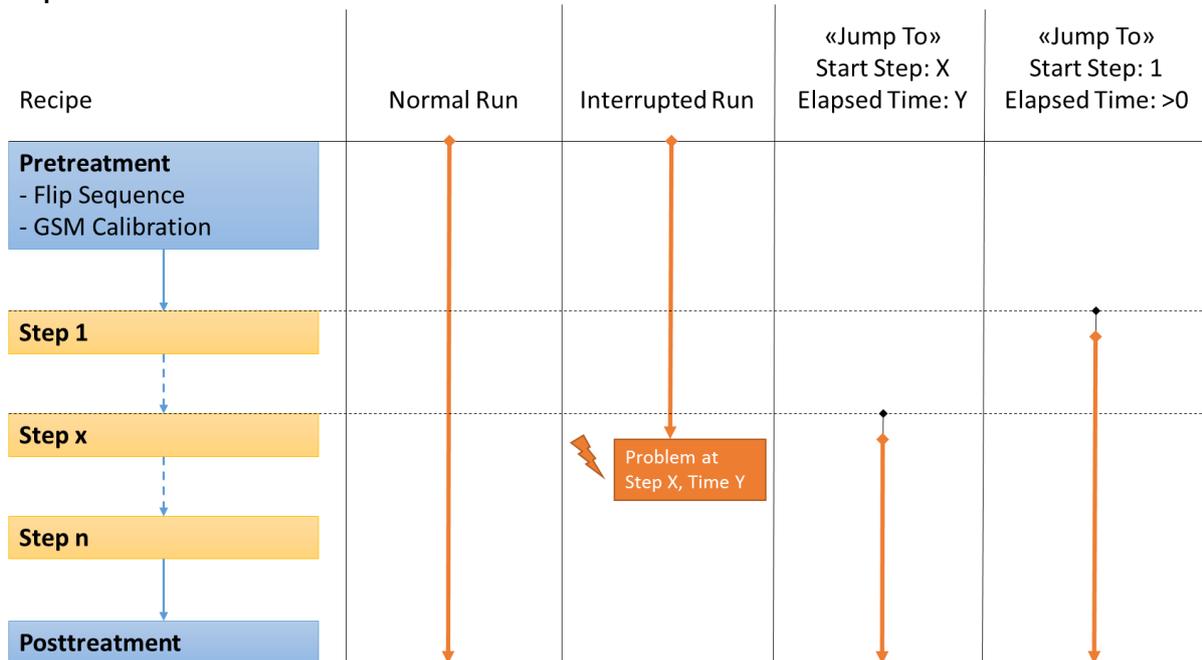
Instead, measure the already deposited coating and create a new layer design and MOS-file. Write a specific recipe to deposit the remaining coating using a fresh, uncoated monitoring glass.

Case study:

Typical cases			
Start parameter	Monitoring Glass	Recipe	Remark
Start Step: 1 Elapsed Time: 0	New (uncoated)	Any	"Normal" process start Recipe 'pre-treatment' will be executed including Flip and GSM-calibration sequence (depending on recipe)
Start Step: 1 Elapsed Time: > 0	Same as previous run (coated)	Same as previous run	Pre-Treatment will be skipped, i.e. no Flip, no GSM-calibration (using previous calibration data)
Start Step: X Elapsed Time: Y	Same as previous run (coated)	Same as previous run	Typical "Jump To" case Pre-Treatment and steps before X will be skipped, i.e. no Flip, no GSM-calibration (using previous calibration data) Remaining layer time or time until GSM activation will be depending on "Elapsed Time" Y.
Failure cases:			
Start Step: 1 Elapsed Time: 0	coated	Any	GSM: "High calibration intensity" alarm (premise: GSM calibration limit parameters are set accordingly) "JumpTo" feature cannot be used anymore because original calibration data have been replaced.
Start Step: 1 Elapsed Time: > 0	Monitoring glass moved / NOT from previous run	Same as previous run	GSM Monitoring will be disturbed because it is relying on obsolete calibration data. Scrap process is likely!

Start Step: 1 Elapsed Time: 1	Same as previous run (uncoated)	Different, new recipe	Process result might be ok, but according to 'new recipe'
Start Step: X Elapsed Time: Y	Monitoring glass moved / NOT from previous run	Same as previous run	GSM Monitoring will be disturbed because it is relying on obsolete calibration data. Scrap process is likely!
Start Step: X Elapsed Time: Y	Same as previous run (coated)	Different, new recipe	GSM Monitoring will be disturbed because it is relying on obsolete layer spectra data. Scrap process is likely!

Graphical view:



Revision History:

Revision	Date	BY	Description
1	9.2.2018	MeAnd	Initial Revision

If you have any questions to this Customer Support Information, please contact Customer Support xxx via cs.xxx@evatecnet.com