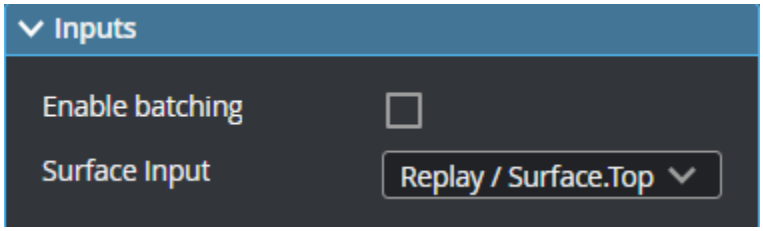
LMI TECHNOLOGIES

Surface Runout Correction

Purpose

The tool is developed to correct the wavy edges along Y direction caused by the runout error during the rotary scanning, see
VE-5325: Develop a 'runout correction' tool which aligns each profile in a surface to a refe…
for the details.

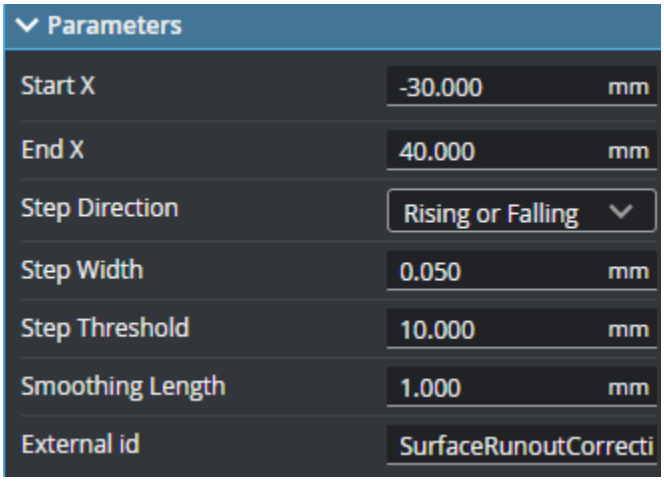
Inputs



Name	Description
Surface Input	The uniform surface data that the tool will filter.

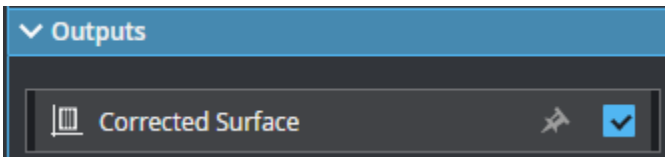
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Burnaby, BC V5J 5J8
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Parameters



Name	Description
Start X End X	The range in X direction for the edge point searching.
Step Direction	Determines whether the expected step rises or falls, moving left to right, along the X axis. Either Rising, Falling, or Rising or Falling.
Step Width	The distance, along the X axis, separating the points the tool uses to find steps.
Step Threshold	The absolute threshold value of a valid step
Smoothing Length	The window size for the moving average along Y direction.

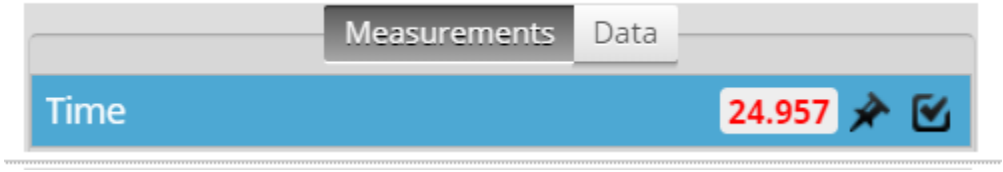
Outputs



Type	Name	Description
Data	Corrected Surface	The output surface composed of aligned rows

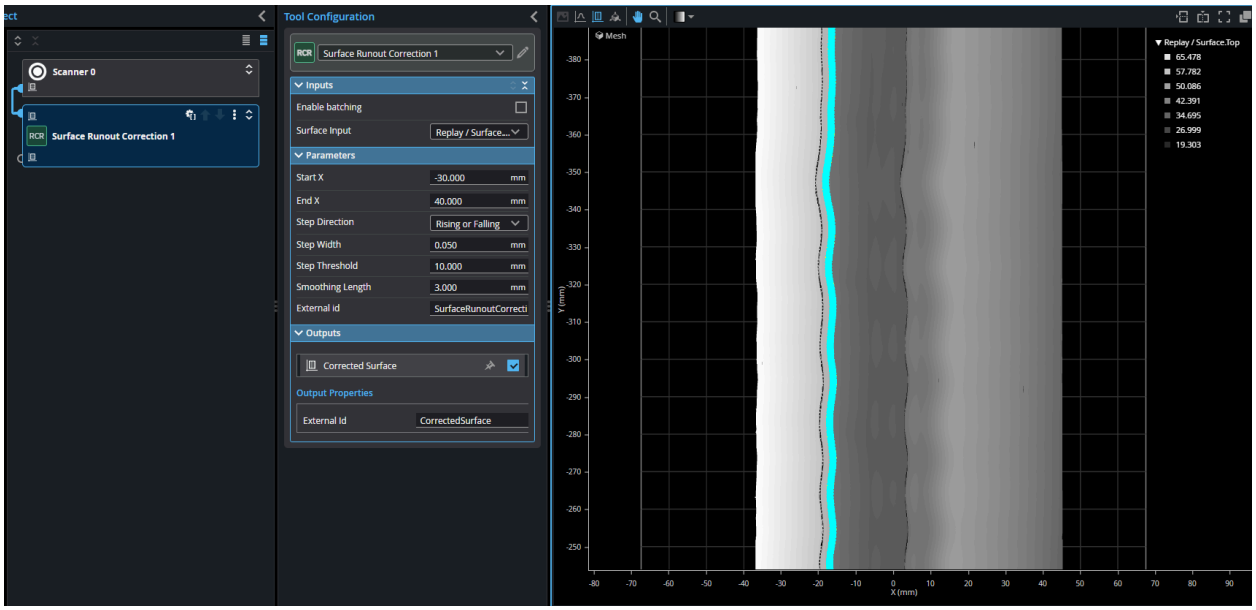
Major Revisions

The GoPxL version doesn't have the "Time" measurement output as the Classic version

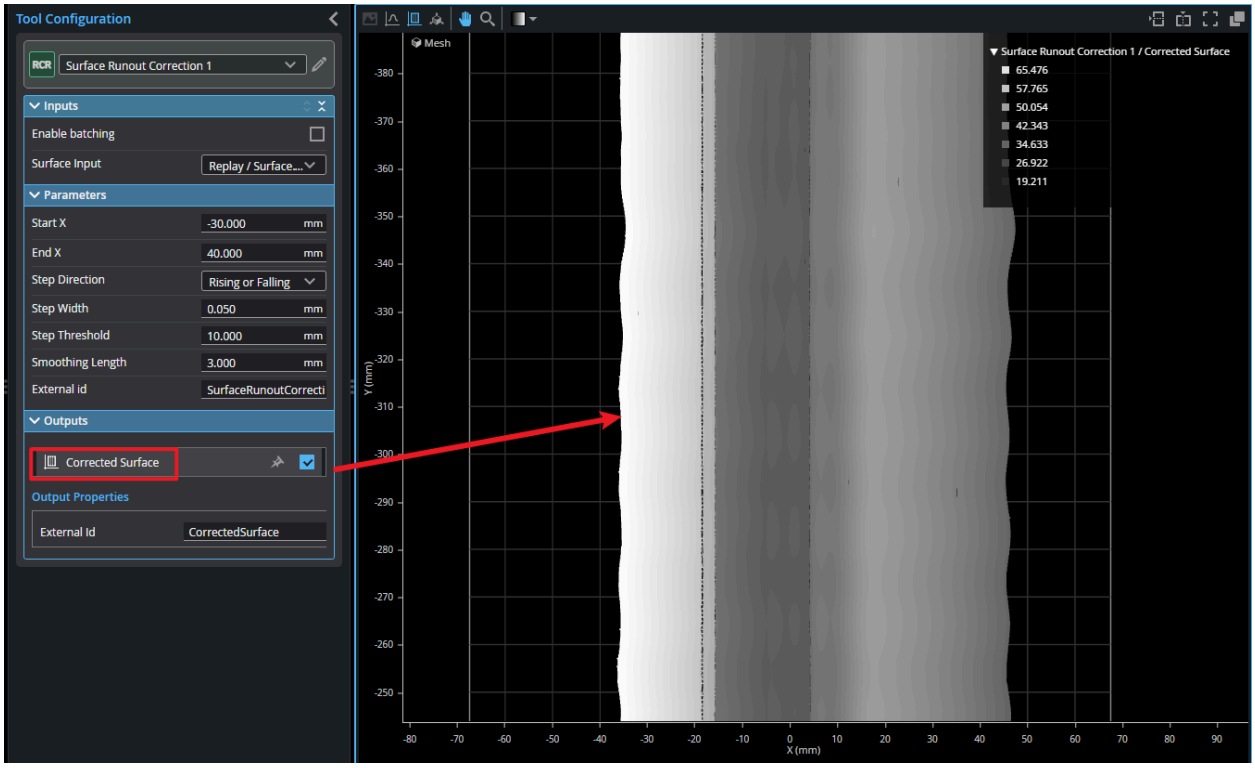


Application Examples

The input



The output



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