

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

▼ Inputs

Enable batching

☐

Surface Input

Replay / Surface.Top ▼

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

Parameters




Parameters

Start X	-30.000	mm
End X	40.000	mm
Step Direction	Rising or Falling	
Step Width	0.050	mm
Step Threshold	10.000	mm
Smoothing Length	1.000	mm
External id	SurfaceRunoutCorrecti	

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

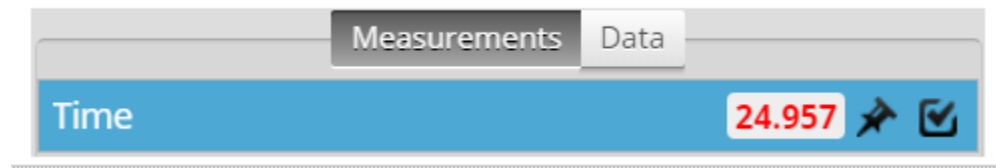
Outputs

 Corrected Surface
 


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

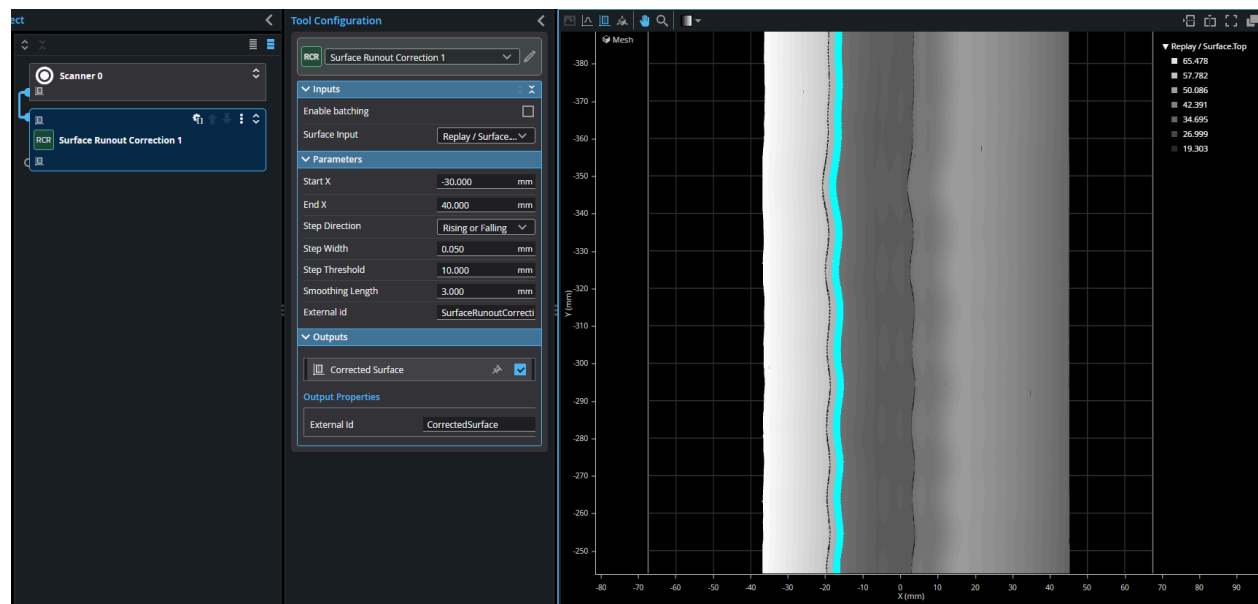
Major Revisions

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



Application Examples

The input



The output

