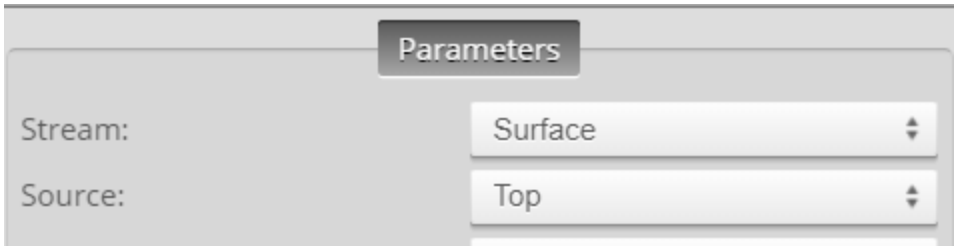
Surface Runout Correction User Manual

General introduction

The tool is developed to correct the wavy edges along Y direction caused by the runout error during the rotary scanning.

Inputs



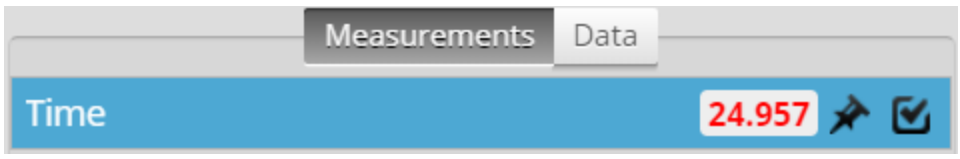
Name	Description
Stream	It's possible for more than one type of data to be available for a tool as input. You use the Stream drop-down in a tool to choose which type. If only one type of data is available for a tool, the Stream drop-down may not be displayed. Currently, only **Uniform Surface** can be selected.
Source	The sensor that provides data for the tool's measurements.

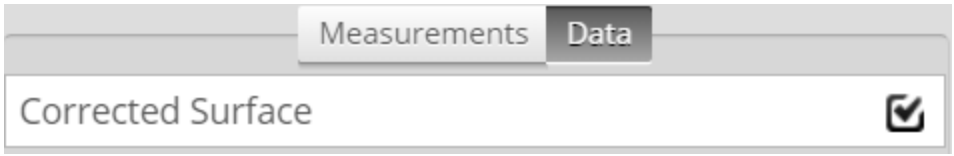
Parameters



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 minimum step accepted as an edge candidate. Steps are treated as absolute values when compared to this setting.
Smoothing Length	The window size for the moving average along Y direction.

Outputs





Type	Name	Description
Measurement	Time	The processing time
Data	Corrected Surface	The output surface composed of aligned rows