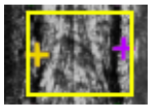
5 - S2x ROI Seam

Description

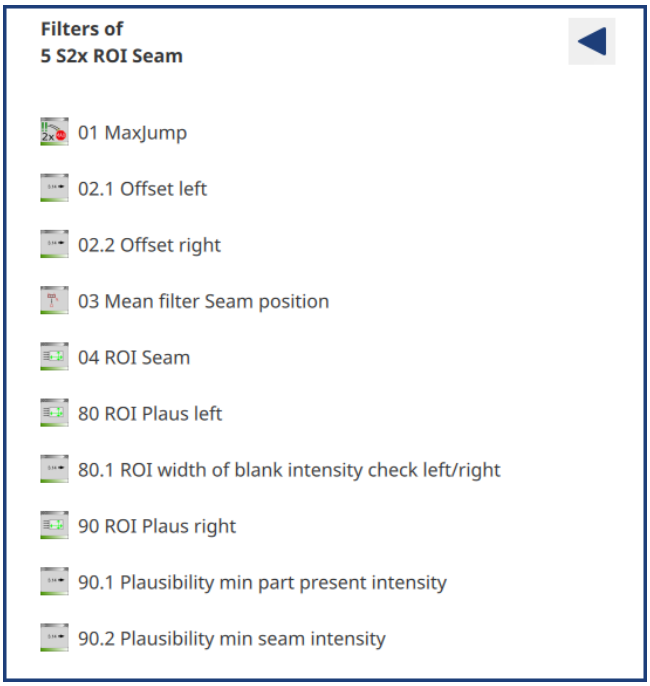
Searches the left and right seam border positions.

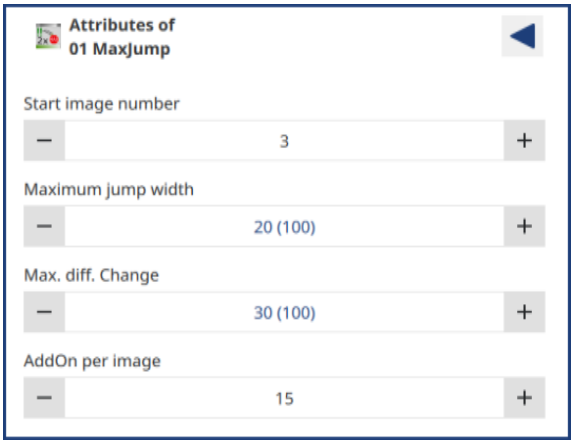
Icon



5 S2x ROI Seam
Search seam borders left and right

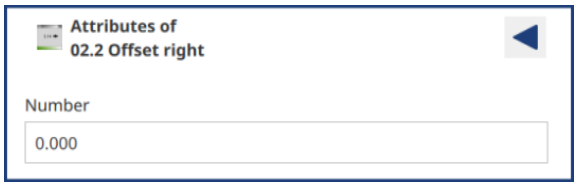
Parameters



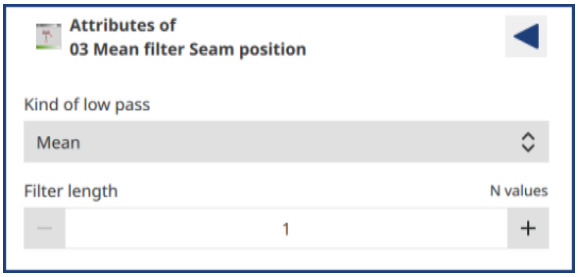


Parameter	Comment
Start image number	The image number, when the filter becomes active. Value must be 2 or bigger, because at least one value must exist for the filter.
Maximum jump width	Max. allowed (horizontal) change of the seam border **positions**. If the difference on the left side positions and/or the right side positions is bigger, the old left/right position values are used. [Pixel]
Max. diff. Change	Maximum allowed change of the (horizontal) **distance** of the two values, which is the seam width. If the change is bigger, the old left/right seam position values are used. [Pixel]
AddOn per image	If one or both seam border positions exceed the allowed "Maximum jump width" or the position distance exceeds the "Max. diff. Change", the actual values of "Maximum jump width" and "Max. diff. Change" are both increased by "AddOn per image". If both seam border positions and the change of the position distance are all OK, the value for "Maximum jump width" and "Max. diff. Change" are both reset to their given parameter values. [Pixel]

Parameter	Comment
Number	Shifts the left ROI border rightward. [Pixel]



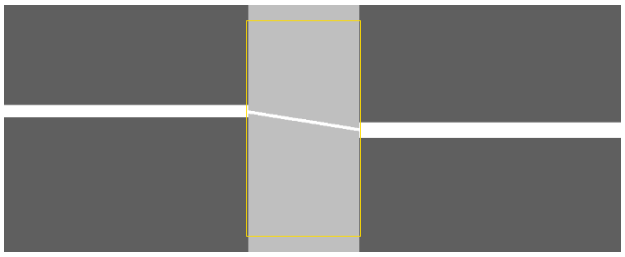
Parameter	Comment
Number	Shifts the right ROI border leftward. [Pixel]

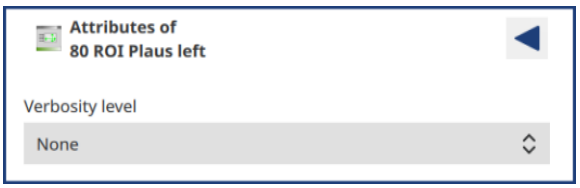


Parameter	Comment
Kind of low pass	Algorithm to filter the found seam positions: • Mean • Median • Minimum • Maximum
Filter length	This smoothens the "expected" seam position, which will be used for the next image as a prediction. [Images]

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.

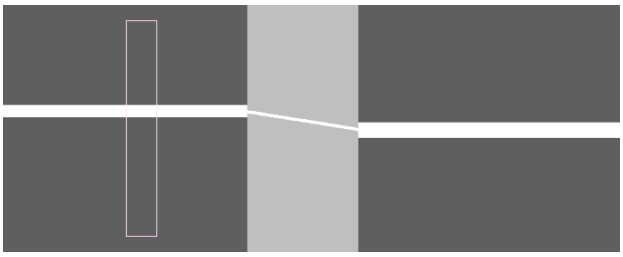
Verbosity example:
The yellow rectangle shows the found ROI for further seam analysis.

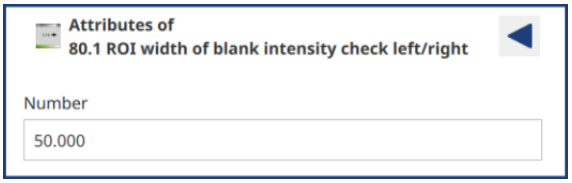




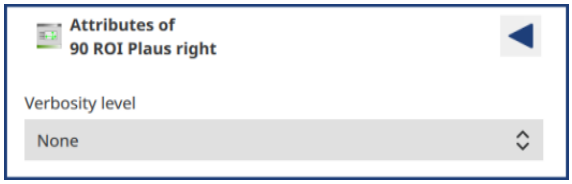
Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.

Verbosity example:
The magenta rectangle shows the ROI on the left side blank where the intensity is checked.



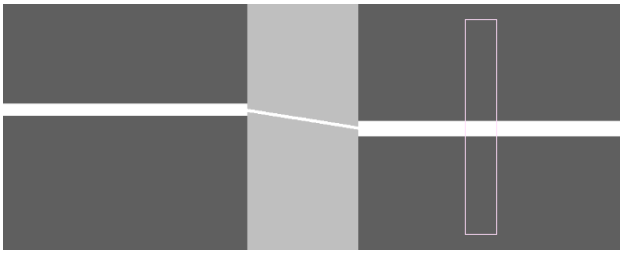


Parameter	Comment
Number	Width of the ROI where to check the intensity on the blanks. [Pixel]



Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.

Verbosity example:
The magenta rectangle shows the ROI on the right side blank where the intensity is checked.



Parameter	Comment
Number	Min. necessary intensity level to decide if the ROI is on blank or outside. [Greylevel]

Parameter	Comment
Number	Min. necessary intensity level to decide if "on seam" or outside to measure the notch size. [Greylevel]

- **Measured values for plotter**

557	0 / 1	Plausibility light error
575	0 … 255	Intensity Part left
576	0 … 255	Intensity Part right
700	0 … xxx	Seam position left
701	0 … xxx	Seam position right
702	0 … xxx	Seam position center
731	0 … 255	Intensity Seam

- **Subgraphs interface**

IN bridges **OUT bridges**

image	Img ROI preSeam	**image**	ROI seam
value	Seam pos left Seam pos right ROI preSeam X ROI preSeam Y ROI preSeam W ROI preSeam H ROI preSeam valid Start end active	**value**	Seam pos left filtered Seam pos right filtered Seam pos center filtered PlausError grey

Graph block diagram