



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

Filters of 5 S2x ROI Seam



01 MaxJump



02.1 Offset left



02.2 Offset right



03 Mean filter Seam position



04 ROI Seam



80 ROI Plaus left



80.1 ROI width of blank intensity check left/right




90 ROI Plaus right



90.1 Plausibility min part present intensity



90.2 Plausibility min seam intensity



Attributes of
 01 MaxJump


Start image number

Maximum jump width

Max. diff. Change

AddOn per image

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]





Attributes of
 02.1 Offset left

Number



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





**Attributes of
02.2 Offset right**


Number


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


**Attributes of
03 Mean filter Seam position**


Kind of low pass

Mean


Filter length N values



Parameter	Comment
Kind of low pass	Algorithm to filter the found seam positions: <ul style="list-style-type: none"> • Mean • Median • Minimum • Maximum
Filter length	This smoothens the "expected" seam position, which will be used for the next image as a prediction. [Images]


**Attributes of
04 ROI Seam**

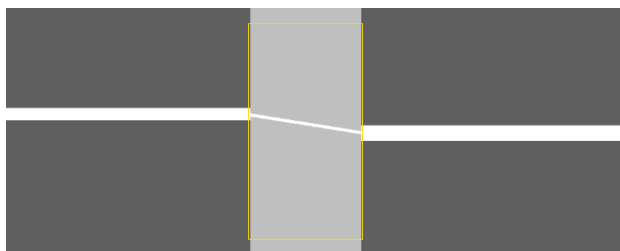

Verbosity level


None


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.



 Attributes of
80 ROI Plus left

Verbosity level


None

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.



 Attributes of
80.1 ROI width of blank intensity check left/right

Number

50.000

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



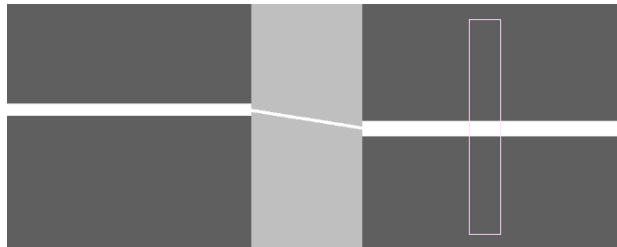

Attributes of
90 ROI Plaus right


Verbosity level
 None

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.




Attributes of
90.1 Plausibility min part present intensity

Number
 65.000

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


Attributes of
90.2 Plausibility min seam intensity

Number
 50.000

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

