

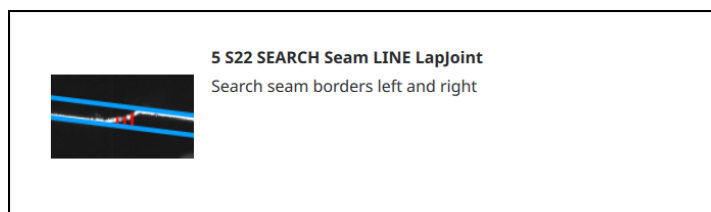


5 - S22 SEARCH Seam LINE LapJoint

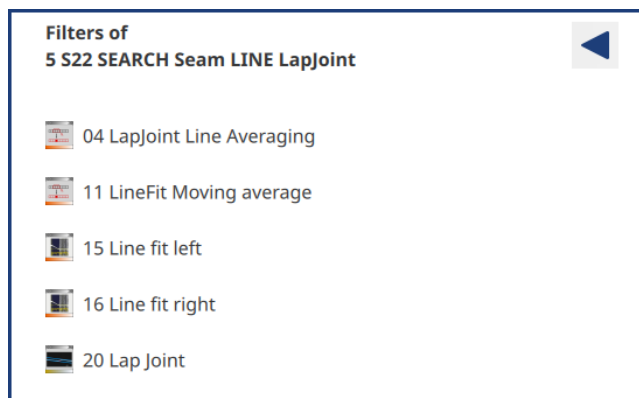
■ Description



Search seam borders left and right with LapJoint algorithm.

■ Icon



■ Parameters






Attributes of
04 Lapjoint Line Averaging


Verbosity level
 None

Filter length N Pixel
 — 2 +

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
Filter length	Number of pixels in X direction, used for averaging the brightness in order to define the next point of the laser line. [Pixel]


Attributes of
11 LineFit Moving average


Verbosity level
 None

Filter length N Pixel
 — 30 +

Kind of low pass
 Median

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
Filter length	To fit a straight line the vertical positions of the found laser line points are averaged over "Filter length" pixels. [Pixel]
Kind of low pass	Algorithm to filter the found vertical laser line positions: <ul style="list-style-type: none"> • Mean • Median • Minimum • Maximum



Attributes of 15 Line fit left

Verbosity level
None

Start value
0 %

End value
30 %

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
Start value	Start position in the laser line ROI for the left laser line part. [Percent]
End value	End position in the laser line ROI for the left laser line part. [Percent]

Attributes of 16 Line fit right

Verbosity level
None

Start value
70 %

End value
100 %

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
Start value	Start position in the laser line ROI for the right laser line part. [Percent]
End value	End position in the laser line ROI for the right laser line part. [Percent]

Attributes of

20 Lap Joint

Verbosity level

None

Seam start left

20 (0)

Seam start rechts

80 (100)

Max. diff. fit/laser line

3 (1)

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
Seam start left	Start position in the laser line ROI to search rightwards for the left seam position. [Percent]
Seam start rechts	Start position in the laser line ROI to search leftwards for the right seam position. [Percent]
Max. diff. fit/laser line	Max. allowed difference between fitting line and laser line. If the difference is bigger the "left/right seam border" is set. [Pixel]

■ Measured values for plotter

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■ Subgraphs interface

IN bridges

OUT bridges

image	Image ROI line	image	ROI preSeam
Line	Line	value	ROI preSeam X ROI preSeam Y ROI preSeam W ROI preSeam H ROI preSeam valid Seam pos left Seam pos right
value	ROI line X ROI line Y ROI line W ROI line H ROI line valid		

■ Graph block diagram

