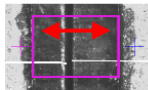# 2 - S41 ROI Line based on Ablation

■ **Description**

Definition of the rectangle of the ROI (**R**egion **O**f **I**nterest) for the laser line search. This ROI will be automatically centered in the found ablation zone

■ **Icon**

2 S41 ROI Line based on Ablation
dynamic line ROI based on found outside ablation borders

■ **Parameters**

Filters of
2 S41 ROI Line based on Ablation

00 ROI line

01 ROI line centered
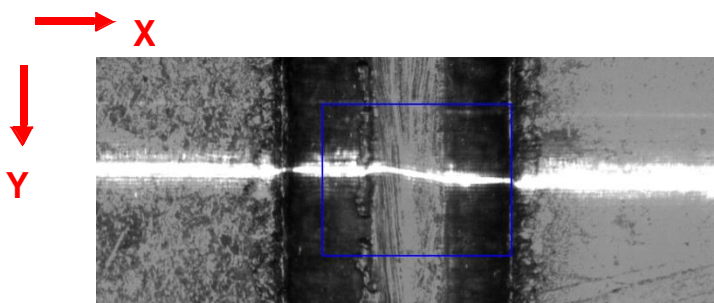
92 Plausibility min. ROI Height

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
ROI Position X	Start position X of the rectangle (ROI). [Pixel]
ROI Position Y	Start position Y of the rectangle (ROI). [Pixel]
Width	Width of the rectangle (ROI). [Pixel]
Height	Height of the rectangle (ROI). [Pixel]

Verbosity example:

The blue rectangle shows the set ROI where to search for the laser line. It's small to avoid the gaps visible at the ablation area borders.
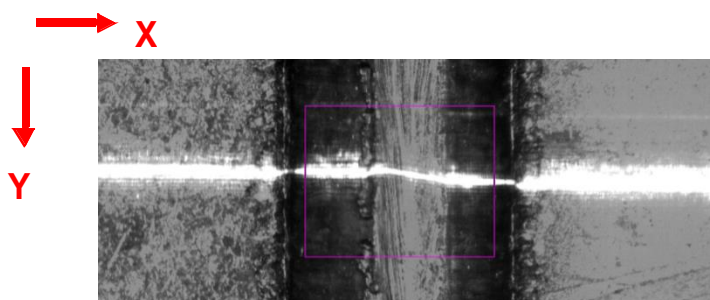
Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.

Verbosity example:
The magenta rectangle shows the ROI after it's horizontally centered inside the found ablation area.

Parameter	Comment
Number	Threshold for the minimum ROI height of plausibility check. Lower than the threshold, the ROI is invalid. [Pixel]

■ **Measured values for plotter**

729	0/1	ROI line valid

Subgraphs interface

IN bridges

◤ **image**	Img	
◤ **value**	Ablation out X left	
	Ablation out X right	
◤ **start end info**	Start end info	

OUT bridges

◤ **image**	ROI line
◤ **value**	ROI line X / Y / W / H
	ROI line valid

Graph block diagram