

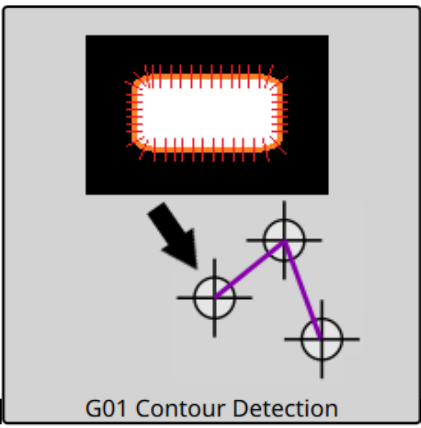
Precitec Macro Documentation

02 Contour Detection

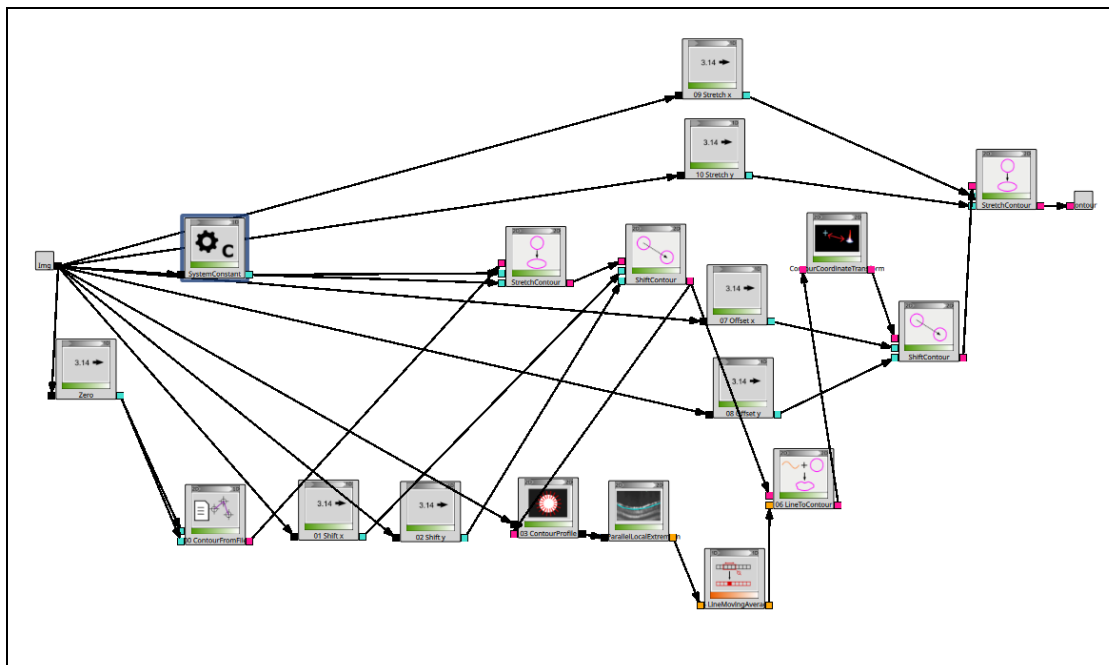
■ Changelog

Date	Version	Autor	Tested on	Description
2023-03-03	A	Abt	5.19.13	New documentation

■ Description

 <p>The diagram shows a grey rectangular area representing a workpiece. Inside, there is a black square with a white rectangular contour. The contour is defined by a series of red vertical lines. Below the black square, there are three circular features, each with a crosshair. A black arrow points from the black square to the first circular feature. A purple line connects the first and second circular features. The text 'G01 Contour Detection' is written at the bottom of the grey area.</p>	<p>Creates a Grid within you can</p> <p>I1: IMG</p> <p>O1: Contour</p>
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■ Macro structure



■ Parameter

NAME	VALUE	Description	UserLevel
00 Contour from File → WeldingFigureName	-	Choose the Contour which will be fit to the real Surfacecontour	Admin
01 Shift X → Number	0	Shift in x [mm]	Admin
02 Shift Y → Number	0	Shift in y [mm]	Admin
03 Contour Profile → Verbosity level	none	Choose the Verbosity in the preview	Admin
03 Contour Profile → Samples	50	Number of Samples on search contour	Admin
03 Contour Profile → Sample Lenght [px]	100	Length of Samples on search contour	Admin
04 Parallel Local Extremum → Extremum Type	Miniumum		Admin

04 Parallel Local Extremum → Search from Right to Left	Off	Search the local Extremum from Left [Off] or Right [On]	Admin
04 Parallel Local Extremum → Extremum Index	1	Choose which Number of Extremum	Admin
04 Parallel Local Extremum → Minimum Prominence	1		Admin
04 Parallel Local Extremum → Subpixel	On		Admin
04 Parallel Local Extremum → Offset	0	Set an Offset of the found Extremum	Admin
05 LineMovingAverage → Filter Length	3	Defines Filter Length in px	Admin
05 LineMovingAverage → Kind of low pass	Mean		Admin
05 LineMovingAverage → Always pass through bad rank	On		Admin
06 LineToContour → Close Contour	On		Admin
07 Offset X → Number	0	Offset in x for fitted contour	Admin
08 Offset Y → Number	0	Offset in y for fitted contour	Admin
09 Stretch X → Number	0	Stretch for fitted contour in x	Admin
10 Stretch Y → Number	0	Stretch for fitted contour in y	Admin