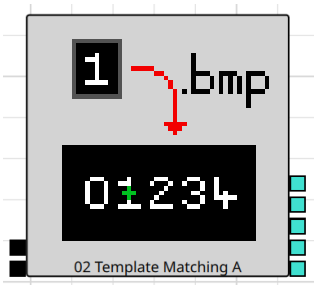
Precitec Macro Documentation

02 Template Matching

Changelog

Date	Version	Autor	Tested on	Description
2022-04-13	A	Wre	5.16.0	New documentation
2022-06-09	B	Wre	5.16.16	UserLevels Bug fixed

Description



Searches for a Template in the ROI and outputs the detected Position

I1: Image

I2: ROI

O1: Position X in pixel

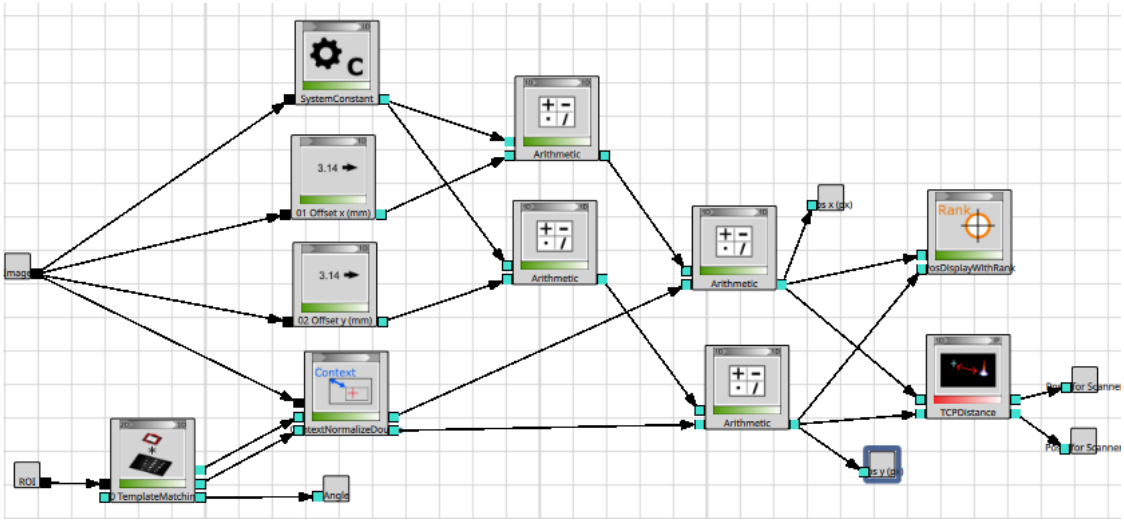
O2: Position Y in pixel

O3: Position X for Scanner

O4: Position Y for Scanner

O5: Angle

- **Macro structure**



Detects a Template inside the ROI (if no ROI desired, input can also be the image). Possibility to add Offsets on the desired Position.

- **Parameter**

NAME	VALUE	Description	UserLevel
00 TemplateMatching → Verbosity	**Low**	Visibility of Position	SuperUser
00 TemplateMatching → Template File Name	**.bmp File on System**	.bmp which will be used as Template	SuperUser
00 TemplateMatching → Angle Start	**0**	Start Angle in degree, by which the template will be rotated	SuperUser
00 TemplateMatching → Count Step	**1**	Number of steps the template will be rotated	SuperUser
00 TemplateMatching → Angle Step	**1**	Amount of angle in degree the template will be rotated each step	SuperUser
00 TemplateMatching → Pyramid Levels	**0**	Downsampling to improve Algorithm process time	SuperUser
01 Offset x (mm) → Number	**0**	Offset in X direction in mm	Operator

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02 Offset y (mm) → Number	**0**	Offset in Y direction in mm	Operator