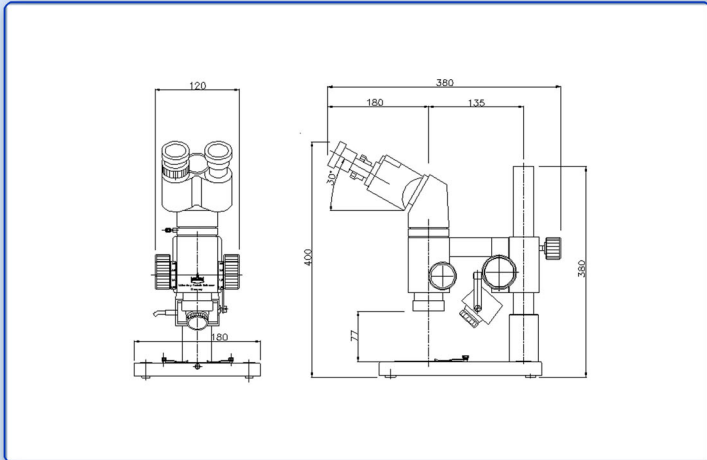


## Zoom-Microscope MZM 1

Zoom-objective: Zoom-factor 5:1 , reproduction 0,8x ... 4x  
Total magnification VM and Objectfield Ø D

supple- mentary lens	working distance (mm)	eyepiece 10x/20		eyepiece 12,5x/20		eyepiece 16x/12,5		eyepiece 25x/8		1/2" chip camera TV-adaptation 0,63x object field - horizontal
		V <sub>M</sub>	D (mm)	V <sub>M</sub>	D (mm)	V <sub>M</sub>	D (mm)	V <sub>M</sub>	D (mm)	
0,25x	260	2x ... 10x	100 ... 20	2,5x ... 12,5x	100 ... 20	3,2x ... 16x	63 ... 12,5	5x ... 25x	40 ... 8	50,8 ... 10,2
0,5x	147	4x ... 20x	50 ... 10	5x ... 25x	50 ... 10	6,3x ... 32x	32 ... 6,3	10x ... 50x	20 ... 4	25,4 ... 5,1
0,63x	116	5x ... 25x	40 ... 8	6,3x ... 32x	40 ... 8	8x ... 40x	25 ... 5	12,5x ... 63x	16 ... 3,2	20,2 ... 4
-	77	8x ... 40x	25 ... 5	10x ... 50x	25 ... 5	12,5x ... 63x	16 ... 3,2	20x ... 100x	10 ... 2	12,7 ... 2,5
2x	33	16x ... 80x	12,5 ... 2,5	20x ... 100x	12,5 ... 2,5	25x ... 125x	8 ... 1,6	40x ... 200x	5 ... 1	6,4 ... 1,3
5x	5	40x ... 200x	5 ... 1	50x ... 250x	5 ... 1	63x ... 320x	3,2 ... 0,63	100x ... 500x	2 ... 0,4	2,5 ... 0,5



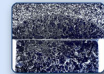
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## Zoom - Microscope MZM 1



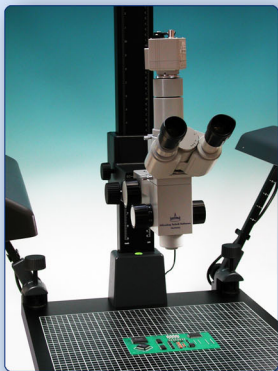
- Incident and Transmitted Light Illumination
- Eyepiece and Monitorview
- Digital Photomicrography
- Mechanical Stage

from micro to macro



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## Zoom Microscope with copy - illumination



The new copying base with the Zoom-Microscope MZM 1 has following attitudes:

- average good illumination
- no reflections on glossy specimens
- high image quality
- excellent image sharpness

zipper



flower



## LED - Ring - Light on MZM 1 in connection with attachment lens 5x



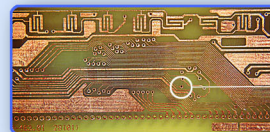
Through the use of the LED on the Zoom-Microscope MZM 1 in connection with the attachment lens 5x (enlargement 40x...2000x) results following features:

- non-glaring object-illumination
- colorfast rendering of objects
- even illumination
- low costs



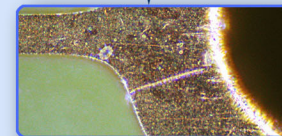
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## Enlargement example



zoom - factor 200x

enlargement from 2x to 200x  
object field from  $\varnothing$  100 mm to  $\varnothing$  1 mm



## MZM 1 with mechanical stage 50 x 50 mm and digital camera or live-picture video camera



In the microphotography exists often the wish to use digital mediums. One of the magnificent advantages to the normal photography is that you have the picture in that moment you make it. A special adapter, in which a measure scale can be installed, gives a connection to the exit of the video-signals (c-mount). Also it is possible to change the eyepiece through an adapter. Beside the enlargement of the microscope the use of the zoom-objective of the camera can also magnify the picture. The swing-objective saves a secure posture while photographing.

precision from Rathenow