

Toolmakers Microscope

UHL WMM200



revision: 01

Toolmakers measuring microscope with swivel-mounted column, binocular tube and brilliant optics.



Technische
Mikroskopie

A question of viewing angle

The entire microscope column together with the transmitted light can be swiveled within $\pm 20^\circ$ by handwheel to measure especially profiles (e.g. worm drives, tap drills, etc) in normal section.

The swiveling angle is shown by a scale with 1° pitch.

The handwheel with its precise drive and gear reduction of 2° per rotation ensures an accurate angle adjustment.

A clamping lever fixes the column in this position safely.

The precision measuring stage with a measuring range of 250×150 mm has a $\pm 4^\circ$ swiveling plate for manual workpiece alignment.

Within a range of 150 mm the z-axis can be moved by a coarse and fine drive for focusing.

Additionally the WMM200 provides a lockable, handwheel driven height adjustment range of 200 mm.

Technical data:

General:

Basic device:	solid aluminium cast base
Dimensions:	siehe drawing
Weight:	ca. 130 kg
Working temperature	$20 \pm 5^\circ \text{C}$
Power supply:	230 VAC, 50

Measuring axes:

Measuring range XY :	250 x 150 mm
Workpiece weight:	20 kg
Measuring range Z :	150 mm
additional height adjustment Z:	200 mm
Resolution:	0,1 μm
Measuring system:	opto-electronic linear measuring scale

Optics:

Binocular tube:	inclinable from 25° to -5° of the horizon
Magnification:	10x up to 200x
Illumination:	transmitted and coaxial incident light, optional: inglight, quadrant ring light, oblique incident light

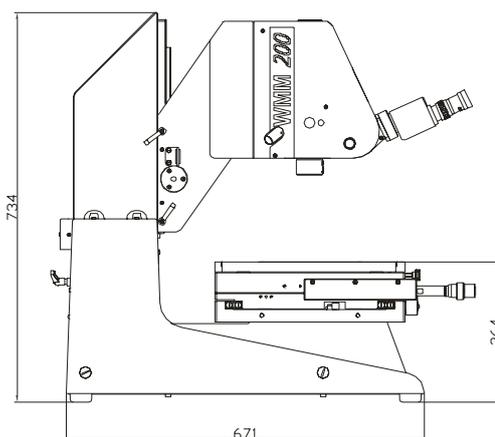
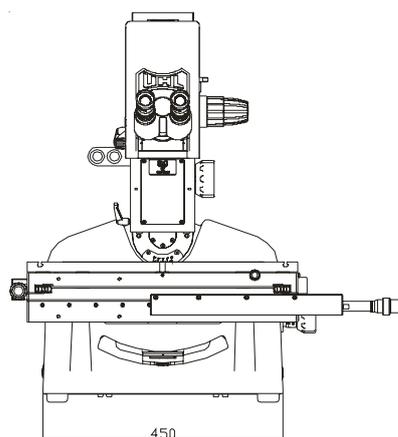
Digital read-out:

Heidenhain ND1200, ND 1300, QC3000

Software:

OMS: easy-to-learn and userfriendly 2D measuring software for random tests and initial sample inspection

Dimensions:



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