

# Micro/ Radius Polishing Machine

with planetary gear for processing of stick polishing,  
Ideal for sharp edged spherical surfaces

AM 3

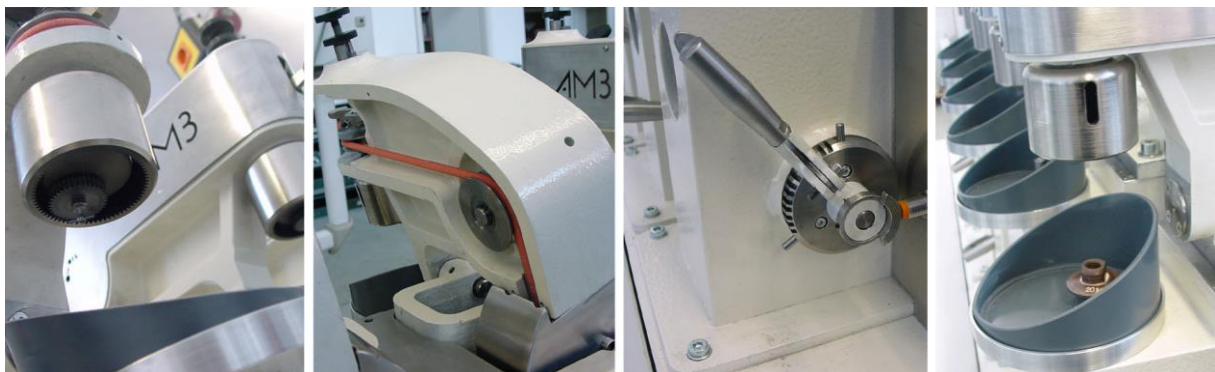
## Machine Characteristics

The AM 3 polishing machine is designed for processing of precision micro lenses up to a diameter of 20(0.79") mm(inch) and radii of 0 up to +/- 20 (0.79") mm (inch).

The machine is characterized both by its easy handling and compact design.



- In general, multi spindle machine for machining micro-optics. Possible number of spindles 1 to 12 (more spindles on request)
- All spindle and pin drives are equipped with fixed speed setting  
Optional: Variable speed adjustment.
- The machine is equipped with separate drives for each working spindle and upper spindle. The oscillation of all working stations is performed by one common drive which allows the extremely compact design (only 200(7.87") mm(inch) space requirement per work unit)
- To operate the machine besides the lifter, only a single lever per station is required. This lever switches the spindle drives, the planetary movement, as well as the oscillation on and off. The position of the lever also defines the oscillation stroke independently on each work unit without interrupting the process at all. This system allows an extremely easy and economic use of the machine
- All spindles are adjustable in height
- The machine is mounted on a stable, welded steel base
- All spinning and moving parts are capsuled.



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## Technical Details

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<b>Number of spindle</b>	1 to 12 (more on request)
<b>Max. work piece diameter in mm (inch)</b>	20 (0.79")
<b>Oscillation area in angle°</b>	+/- 40°
<b>Spindle speed in min-1</b>	300
<b>Eccentric speed = no. of strokes per min1</b>	21
<b>Mode of drives</b>	AC-Motors
<b>Power requirement per workstation in kW</b>	0.5
<b>Working pressure in N</b>	0,5 – 5
<b>Working area: Max. diameter in mm (inch)</b>	20 (0.79")
<b>Working area: Radius in mm (inch)</b>	0 – 20 (0.79")
<b>Working area: Radius in mm (inch)</b>	
<b>Spindle sleeve:</b>	DIN 58725 or Cone with thread adapter M(miles)10(0.0062)
<b>Pinole:</b>	Ball pin Ø 4(0.16") mm(inch) or Ø 3(0.12") mm (inch)
<b>Dimension in mm (WxDxH) (inch)</b> <b>(for 6 spindle version)</b>	appr. 1720x730x1450 (68" x 29" x 57") Width is increased/reduced by 200mm for each add. work unit
<b>Paint finish</b>	Standard light grey RAL 7035

Tools and accessories can be found in our current catalogue or on request.



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