



**MKN 101**  
Superfine Wire Drawing Machine

### Design:

- corrosion-resistant drawing chamber and drawing lubricant supply

### Increase in quality:

- drawing dies and drawing cones sprayed with drawing lubricant for high wire surface quality
- optoelectronic spool scanning with automatic wire traversing
- DC Continuous Resistance Annealer R 100 with 3-zone annealing system for ideal wire drying
- inline annealing for ideal grain structure and better down stream processing

### Increase in productivity:

- straight wire path into the drawing dies through adjustable inclination of the drawing cones

### Energy and cost efficiency:

- traversing drawing die holders (long lifetime of the drawing cones)

### Technical data

type		MKN 101 / R 100 / VAS 251	MKN 101 / VAS 251
variant with 1 pair of drawing cones		MKN 101.2.1	MKN 101.2.1
variant with 2 pairs of drawing cones		MKN 101.4.1	MKN 101.4.1
variant with 3 pairs of drawing cones		MKN 101.6.1	MKN 101.6.1
material		Cu Cu alloys Pt, Pt/Rd alloys	Cu, CrNi steels, Cu alloys, Pt, Pt/Rd alloys, further noble metals and their alloys
max. inlet dia. (Cu soft and hard)*		mm AWG	0.65 22
min. finished dia.*		mm AWG	0.025 ... 0.14 50 ... 35
at max. production speed **		m/s fpm	30 5905
no. of drafts			11/15/21/25/31
wire elongation per draft		%	9/12/14/16
annealing power		kW	3
max. annealing current:		A	70
max. annealing voltage		V	100
drive technology			AC motor
machine dimensions (W x D x H)		m	2.80 x 1.10 x 1.30
weight		kg	approx. 1,700

\* data for other materials on request \*\* depending on material, grading and spool dimensions