

MKN / VAS

Superfine Wire Drawing Machine

For the production of superfine wires made of Non Ferrous metals or Non Ferrous alloys



NIEHOFF – worldwide most advanced technology for the wire and cable industry



Capable, cost-effective, reliable

MKN

- straight wire path into the drawing dies through adjustable inclination of the drawing cones
- drawing dies and drawing cones sprayed with drawing lubricant to achieve high wire surface quality
- compact design for fast installation
- corrosion-resistant design of drawing chamber and drawing lubricant supply
- final die can be pivoted around 2 axes for the production of straight, twist-free wires
- production of bonding wires (MKN 102)
- optional: dry drawing to avoid 'wire sticking' on the drawing cone

VAS 251

- use of different spool forms
- optoelectronic spool scanning with automatic wire traversing monitoring

R 100

- DC Continuous Resistance Annealer (3-zone annealing system)

Technical data

type

variant with 1 pair of drawing cones
variant with 2 pairs of drawing cones
variant with 3 pairs of drawing cones
material:

max. inlet dia. (Cu soft and hard)* in mm:
min. finished dia.* (mm):

at max. production speed ** (m/s):

no. of drafts:

wire elongation per draft (%):

annealing power (kW):

max. annealing current (A):

max. annealing voltage (V):

drive technology:

machine dimensions (W x D x H) in m:

weight (kg):

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

MKN 101 /

R 100 / VAS 251

MKN 101.2.1

MKN 101.4.1

MKN 101.6.1

Cu

0.35 (27 AWG)

0.025 ... 0.14

(50 ... 35 AWG)

30 (5905 fpm)

11/15/21/25/31

9/12/14/16

3

70

46

AC motor

2.8 x 1.1 x 1.3

approx. 1700

MKN 101 /

VAS 251

MKN 101.2.1

MKN 101.4.1

MKN 101.6.1

Cu, CrNi steels, Al alloys, Au/Au alloys, further noble metals and their alloys

0.35 (27 AWG)

0.025 ... 0.14

(50 ... 35 AWG)

30 (5905 fpm)

11/15/21/25/31

9/12/14/16

3

70

46

AC motor

2.1 x 1.1 x 1.3

approx. 1100

MKN 102 / VAS 161 bonding wire machine

MKN 102.2.1

MKN 102.4.1

0.20 (32 AWG)

0.014 ... 0.11

(55 ... 37 AWG)

10 (1968 fpm)

11/15/21

6/9

3

70

46

AC motor

2.1 x 1.1 x 1.3

approx. 1100

(We reserve the right to modify technical specifications according to technical improvement and advances.)

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