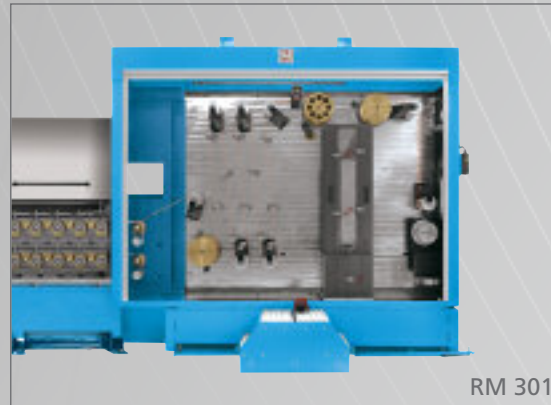


The NIEHOFF-RM Series



RM 301



RM 121



RM 141



RM 161



RM 201

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



**NIEHOFF** – your partner with a worldwide service and sales network. Our experienced customer support team is always on hand.

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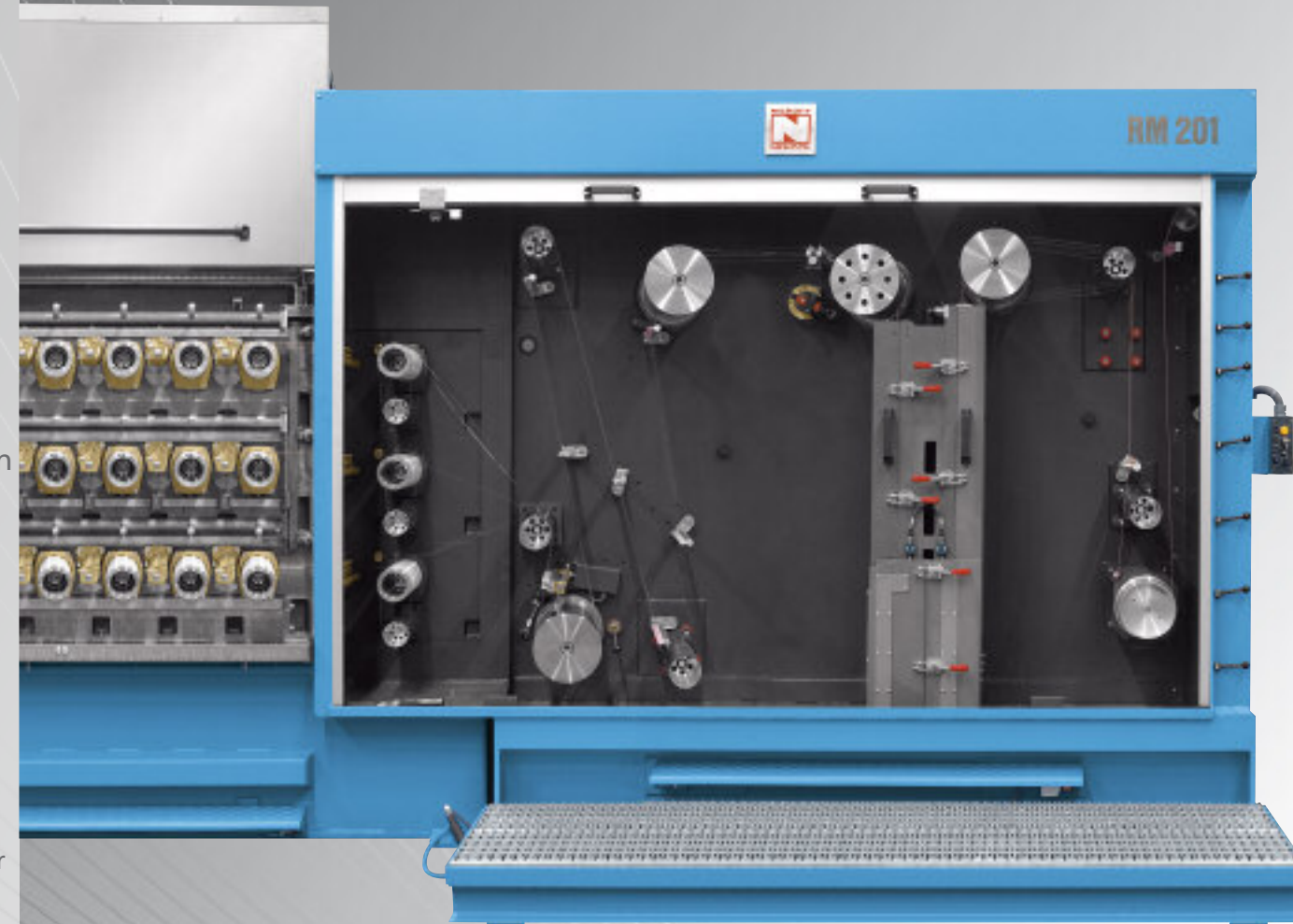
RM

Continuous Resistance Annealer for Multiwire Drawing Lines

A combination of experience and most advanced technology - perfection through efficiency and high speed



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



machines – systems – know-how – worldwide

RM

# High-tech Standard and Possible Variants

## Technical data

type	RM 121	RM 141	RM 161	RM 201	RM 301
max. production speed (m/s):	31.5 (6201 fpm)	36 (7087 fpm)	40 (7874 fpm)	40 (7874 fpm)	40 (7874 fpm)
possible no. of wires:	8/16	8/16/24	8/16/24	8/16/24/32	7/14/28/42
finished dia. (mm):	0.05 ... 0.25/0.25 (44 ... 30/30 AWG)	0.10 ... 0.40/0.40/0.40 (38 ... 26/26/26 AWG)	0.10 ... 0.60/0.50/0.40 (38 ... 22.5/24/26 AWG)	0.10 ... 1.05/0.72/0.55/0.48 (38 ... 18/21/23.5/24 ½ AWG)	0.40 ... 1.35/0.35 ... 1.15 (26 ... 15 ½ / 27 ½ ... 17) 0.25 ... 0.90/0.25 ... 0.70 (30 ... 19/30 ... 21 ½)
contact pulley dia. (mm):					
max. annealing power (kW):	140	140	160	200	300
max. annealing current (A):	30	60	80	180	350
annealing principle:	500	2000	2000	2000	7000
separately driven auxiliary pulley:	3-zone	switchable between 2/3 zones	switchable between 2/3 zones	switchable between 2/3 zones	2 or 3 zones
individual drives:		standard	standard	standard	standard
water-cooled slip rings:		optional	optional	optional	standard
machine dimensions (W x D x H) in m:		standard 2000 A	standard	standard	standard
(without transformer)	1.3 x 1.0 x 2.1	optional < 1500 A	1.6 x 1.0 x 2.3	2.0 x 1.4 x 2.3	3.55 x 2.1 x 3.04
weight (kg without transformer):	approx. 2200	approx. 2500	approx. 3000	approx. 4600	approx. 7000

## Design features

- DC multi-wire resistance annealer with internal single-wire guidance, particularly suitable for coated Cu wires
- ergonomic machine design with openly accessible wire paths
- wires can be drawn in easily with the separately driven auxiliary pulley
- single unit comprising drawing machine and annealer
- reduced wire tension leading up to the subsequent coiling or spooling system due to the integrated driven haul-off capstan
- consistently high finished wire quality achieved through single-wire drying and speed-controlled uniform wire annealing at speeds from 0 m/s
- easy-to-change contact tubes with long service life
- energy efficiency maximized by patented selectable re-heating system
- contact tube cleaning device and wire movement for increased service life during production of tinned wires

# The NIEHOFF Line Philosophy

## Overall integration for superior performance

The entire line delivers technically innovative solutions for your production tasks:

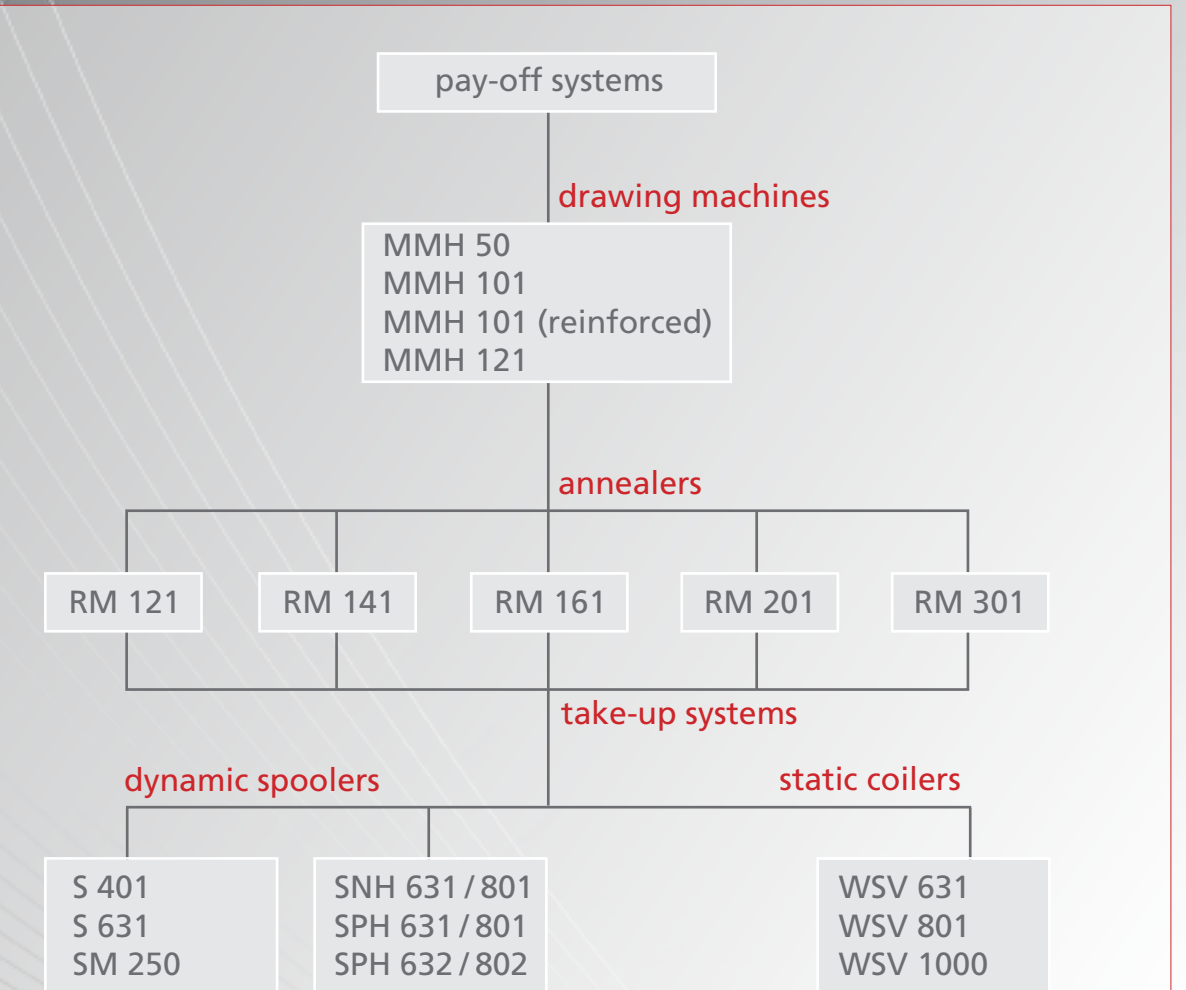
- Capable combinations of individual NIEHOFF components and the excellent quality standards guarantee superb machine availability.
- By using a freely programmable PLC control and standardized interfaces, the line can be combined very effectively with many spooling and coiling systems.

The MMH line concept with the RM Continuous Resistance Annealer already incorporates the potential for future integration of NIEHOFF machine systems in overall production processes – i.e. the automation of different production areas, including:

- quality assurance
- production data acquisition
- materials flow control

**All possible combinations will deliver the ultimate in terms of quality and performance!**

Suitable for combination and integration



(Further take-up systems are available on request)