

## MSM 315 Rod Breakdown Machine

Expertise, Customer Driven, Service – in Good Hands with NIEHOFF



## The modular NIEHOFF system

This drawing machine is designed for maximum flexibility – the modular system enables all variations required in our industry.

- system modules can be added horizontally in order to vary the number of drafts (5 ... 9)
- optional dummy drafts possible, allowing 4, 6 or 8 drafts to be realized
- single and two-wire versions

**Future-oriented machine construction technology for optimized system availability and reliability.**

## Module variants:

Module with drawing capstan dia. 315 mm



Haul-off capstan modul

Module with drawing capstan dia. 315 mm



4-draft drawing block



6-draft drawing block



8-draft drawing block

Examples:      No. of drafts:



5



7



9

We reserve the right to modify technical specifications according to technical improvement and advances. 03.2026

# MSM 315

## Design:

- optimized wire cooling/lubrication (due to the fully submerged drawing basin)
- flexible machine drafting
- individually driven capstans in horizontal tandem layout
- three-phase AC drives, water-cooled and maintenance-free
- ergonomic and user-friendly machine design, with easy maintenance (large opening for changing complete drawing chains)
- no sound enclosure cabin required up to 85 dB (A)

## Increase in quality:

- high surface quality of the wires due to the optimized wire path; inclination of drawing capstans
- innovative drawing die holders with high-pressure cooling of the drawing dies

## Increase in productivity:

- reduced downtime when changing the machine setup for different dimensions via multi-motor drive technology (quick drawing die change system)
- NMI (NIEHOFF Machine Interface) color touchscreen for data entry, display of production parameters and maintenance instructions

## Energy and cost efficiency:

- long service life of drawing tools (drawing capstans, drawing dies) with minimized-slip operation
- energy savings of up to 20 % by multi-motor drive technology
- reduced consumption of oil and drawing lubricant
- energy efficiency thanks to direct drive

## Technical data

type	MSM 315			
		CU	CuZn37	CuSn6
material		CU	CuZn37	CuSn6
max. production speed	m/s	40	20	16
no. of wires		1	2	1
max. inlet dia.	mm	6.3	4.5	4.5
for max. inlet strength	N/mm <sup>2</sup>	250	350	450
finished dia.	mm	1.4 ... 3.4	1.6 ... 2.8	1.6 ... 2.4
numbers of drafts		5 ... 9	5 ... 9	5 ... 9
wire elongation per draft		variable	variable	variable
drive technology / AC motors		individual drives	individual drives	individual drives

## Overall integration for superior performance

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

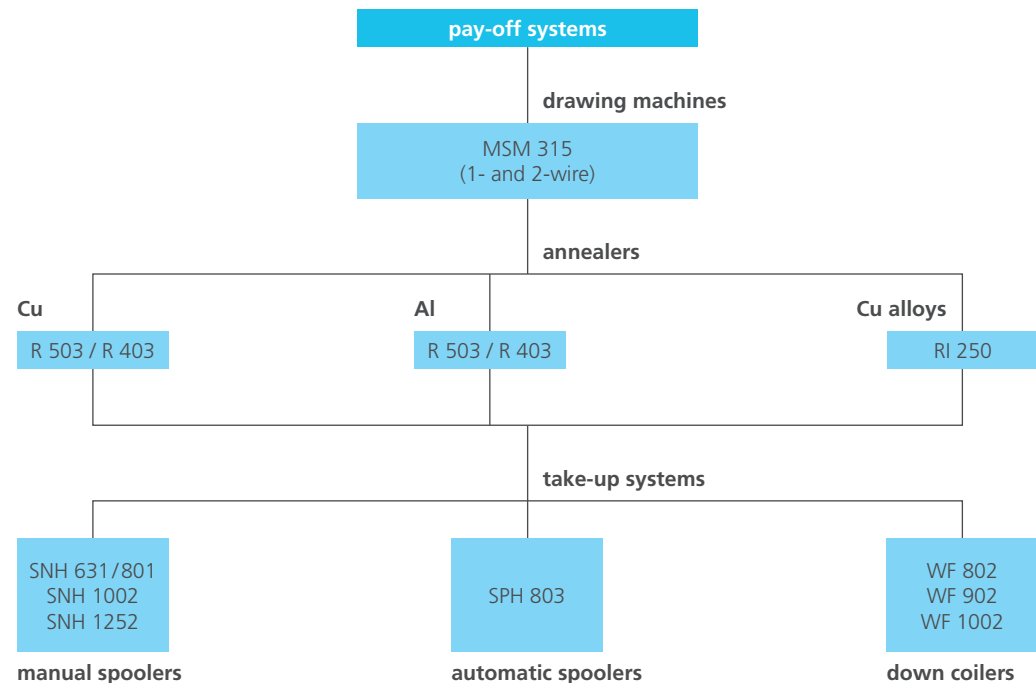
- convincing combinations of individual NIEHOFF components and the excellent quality standards guarantee superb line availability
- due to freely programmable control systems (PLCs) and standardized interfaces, the line can be combined very effectively with many spooling and coiling systems.

The MSM 315 line concept 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
- operational data acquisition
- materials flow control

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

## Suitable for combination and integration



(Further pay-off systems on request)