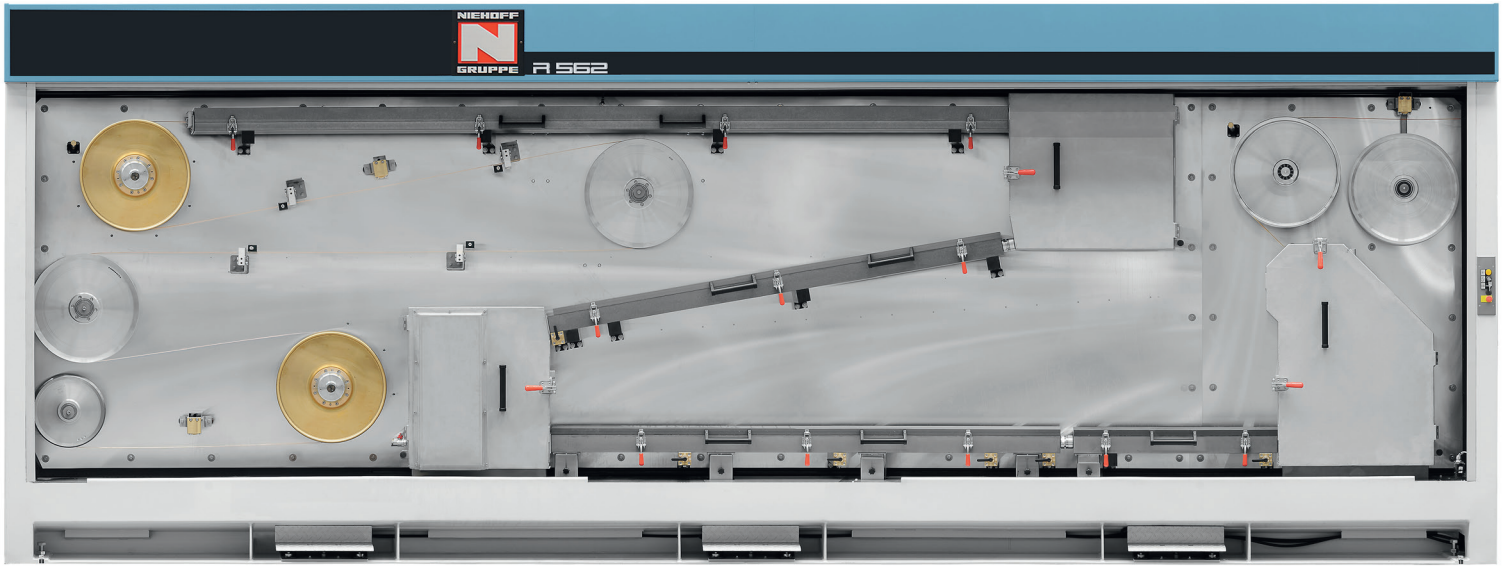

R 562 / R 602
Continuous Resistance Annealer

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

NIEHOFF
GRUPPE

R 562 / R 602

Design:

- AC-continuous resistance annealer in single or two wire version (R 562)
- AC 3-zone annealing principle, electrically neutral (no current flow to other machines)
- driven by Individual drive
- single wire path with no crossover
- freely accessible slip rings and carbon brushes
- Contact pulley K3 with inner cooling
- Adaptation to larger wire diameters (round and profile) (R 562)

Increase in quality:

- digital annealing voltage control for consistent wire annealing quality
- consistent wire annealing from a speed of 0 m/s
- effective wire drying
- Longer cooling section improves cooling

Increase in productivity:

- increased production output by extending the annealing zone
- controlled coolant supply via recipe management depending on the wire program by means of frequency-controlled pump and solenoid valves
- contact band quick-change system with central locking

Energy and cost efficiency:

- reduced consumption of energy
- ergonomic and user-friendly machine design, with easy maintenance
- enclosed wire path for reduced consumption of protective gas

Technical data		R 562	R 562	R 602
type		**single-wire**	**two-wire**	**single-wire**
max. individual wire dia.	mm	1.8 ... 2,1 3.2 4.5 5.5 6.8	1.8 ... 1.9 2.6 3.2 4.0 4.5	2.5 ... 5.5 6.0 6.5 6.8 7.35
	AWG	13 ... 12 8 5 ½ 3 ½ 2	13 ... 12 ½ 10 8 6 5	10 ... 3 ½ 2 ½ 2 1 ½ 1
max. production speed	m/s	40 18 9.0 6.0 3.5	40 23 15 7.5 4.5	25 5 4 3.5 2.5
	fpm	7,874 3,543 1,771 1,181 688	7,874 4,527 2,952 1,476 885	4,921 984 787 688 492
finished dia. (for Cu)	mm	1.8 ... 6.8	1.8 ... 4.5	2.50.. 7.35
	AWG	13 ... 2	13 ... 5	10 ... 1
contact pulley dia.	mm	500	500	600
max. annealing power (without transformer)	kW	320	530	530
max. annealing current	A	8,000	8,000	8,000
max. annealing voltage	V	70	70	70
oil-cooled slip rings		standard	standard	standard
machine dimensions (W x D x H) (without motor and transformer)	m	7.00 x 1.58 x 2.56	7.00 x 1.58 x 2.56	7.00 x 1.58 x 2.56
weight (without motor and transformer)	kg	approx. 9,500	approx. 10,500	approx. 10,000

We reserve the right to modify technical specifications according to technical improvement and advances. 05.2022

www.niehoff.de

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