



RI

Continuous Inductive Inline Annealer

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



RI

Design:

- contactless energy transfer

Increase in quality:

- wire path with only two deflections (short circuit pulley and deflection pulley/pulley arc)
- double contacting on the short circuit pulley for high surface quality
- excellent working and processing properties of the wire by rapid cooling in the efficient cooling section producing a fine-grained structure
- excellent surface quality by contactless energy transfer

Increase in productivity:

- flat and profile wire annealing possible
- the few wearing parts can be taken out quickly and easily with minimum use of tools
- few wearing parts (no carbon brushes)

Energy and cost efficiency:

- wearing parts with long service life
- high energy efficiency

Optional:

- RI 120 with reheating for reliable wire drying

Technical data

type		RI 120.2	RI 170.3	RI 250.3	RI 420.3
material		Cu, Cu alloys (e.g. brass, tin bronze, German silver) low-alloyed Cu alloys (e.g. CuMg, CuBe, CuCr) heating and resistance wires (e.g. CuNi44Nm1, NiCr10, Ni)			
max. production speed	m/s	25	25/40*	25	16/25*
	fpm	4,921	4,921/7,874	4,921	3,149/4,921
min. round wire diameter	mm	0.15	0.30	0.80	2.00
	AWG	34 ½	28 ½	20	12
max. round wire diameter	mm	0.40	1.20/1.60*	2.20	4.60
	AWG	28 ½	16/14	11 ½	5
min. cross section flat wire	mm ²	0.02	0.10	0.50	2.00
	AWG	34	36	20	14
max. cross section flat wire	mm ²	1.60	4.00	6.00	24.00
	AWG	15	11	9 ½	3 ½
min. height flat wire	mm	0.05	0.10	0.20	0.20
max. width flat wire	mm	8.00	8.00	10.00	14.00
short circuit pulley diameter	mm	120	170	250	420
max. annealing power	kW	50	50	100	300

*In use for copper

We reserve the right to modify technical specifications according to technical improvement and advances. 03.2018