



RT 202.2 Continuous Resistance Annealer for strands

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



RT 202.2

Design:

- DC resistance annealer for Cu strands with separate integrated preheating and haul-off capstan for inline operation in extrusion lines
- 2-zone annealing system, electrically neutral (no current flow to other machines)
- separate drive (AC) with integrated dancer for speed adaptation and as an interface to all makes of extrusion line

Increase in quality:

- digital indication of the strand temperature before entering the extrusion line
- adjustable re-heating for complete drying of the strand
- absolutely uniform wire outlet temperature achieved by DC preheating with separate closedloop control circuit

Increase in productivity:

- integrated magazine with cooling nozzles for targeted cooling of the annealed strand
- contactless temperature measuring system at the wire outlet (close to the extruder head)

Energy and cost efficiency:

- ergonomic and user-friendly machine design, with easy maintenance

Technical data

strand cross-section (for Cu)	mm ²	0.22 ... 2.00				
	AWG	23 ½ ... 14				
max. strand cross-section	mm ²	0.22 ... 0.75	1.00	1.25	1.50	2.00
	AWG	23 ½ ... 18 ½	17	16	15 ½	14
at max. production speed	m/min	1,200	1,000	800	650	360
contact pulley dia.	mm	200				
max. annealing power (without transformer)	kW	40				
	HP	54				
max. annealing current	A	1,500				
max. annealing voltage	V	40				
max. preheating output	kW	18				
	HP	24				
preheating temperature	°C	80–120				
machine dimensions (W x D x H) (without transformer)	m	2.50 x 1.10 x 2.05				
weight (without transformer)	kg	approx. 2500				

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