



R 401
Continuous Resistance Annealer

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Design:

- 2-zone annealing system, electrically neutral (no current flow to other machines)
- freely accessible slip rings and carbon brushes
- coolant system integrated in the annealer (incl. tank, heat exchanger and pump)
- driven by the drawing machine
- wire path with no crossover

Increase in quality:

- DC resistance annealer for Non Ferrous wires with the highest quality requirements
- effective wire drying

Increase in productivity:

- digital annealing voltage control for consistent wire quality
- increased production output by means of 250 kW annealing power

Energy and cost efficiency:

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

Technical data

type		4,000 A				5,000 A					
max. individual wire dia.	mm	0.6 ... 1.75	1.89	2.58	2.74	2.95	0.6 ... 2.0	2.1	2.88	3.0	3.3
	AWG	22 ½ ... 13 ½	12 ½	10	9 ½	9	22 ½ ... 12.0	12	9	8 ½	8
at max. production speed	m/s	35	31.5	16	12.5	9.4	35	31.5	16	12.5	9.4
	fpm	6,890	6,200	3,150	2,460	1,850	6,890	6,200	3,150	2,460	1,850
finished dia. (for Cu)	mm	0.6 ... 3.56				0.6 ... 3.56					
	AWG	22 ½ ... 7 ½				22 ½ ... 7 ½					
contact pulley dia.	mm	355				355					
max. annealing power (without transformer)	kW	200				250					
	HP	268				335					
max. annealing current	A	4,000				5,000					
max. annealing voltage	V	66				68					
machine dimensions (W x D x H) (without motor and transformer)	m	3.90 x 1.27 x 2.25				3.90 x 1.27 x 2.25					
weight (without motor and transformer)	kg	approx. 5,650				approx. 5,650					