



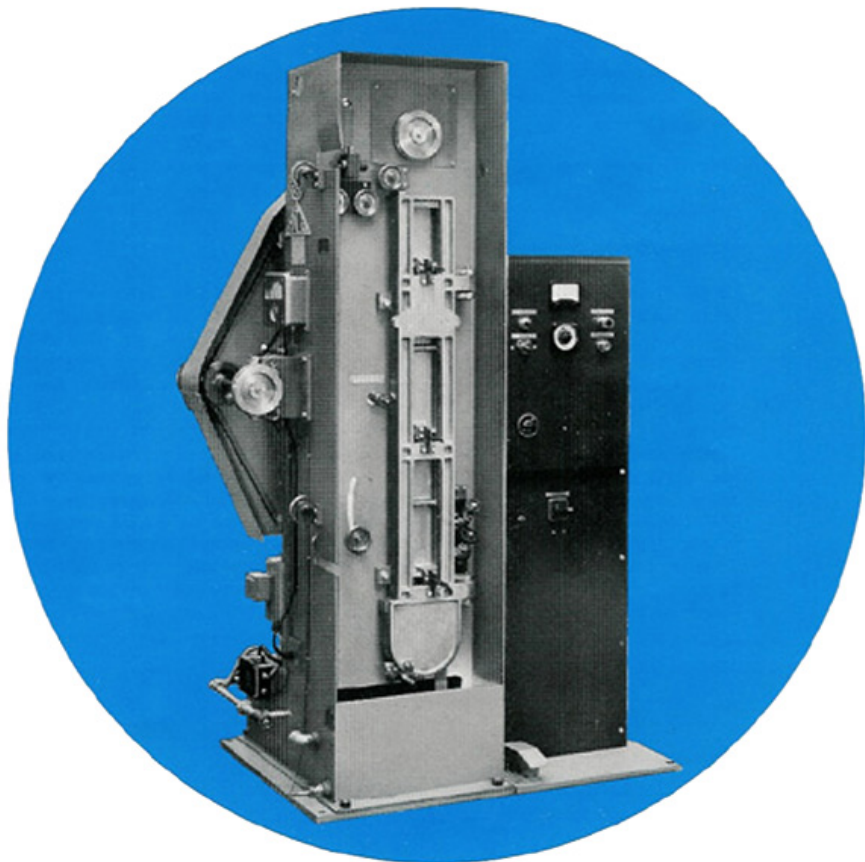
Winget Syncro

Type AB Continuous Resistance Annealer

The model AB continuous resistance annealer, for electrolytic copper wire, is arranged for co-ordinated operation with the Winget Syncro type A and B fine wire drawing machines.

Advantages of Winget Syncro Continuous Resistance Annealing

1. Occupies comparatively small floor space.
2. Eliminates costly batch annealing equipment, with its attendant large space requirements.
3. Eliminates double handling of wire and spools.
4. No lost time: annealed wire is available when drawn, minimising stock holding.
5. Eliminates warped spools and extends spool life.
6. Drawing and annealing of coated wire practicable.
7. Low operating and maintenance cost.
8. Bright clean product.
9. High speed operation: high production efficiency.
10. Uniformly annealed product.
11. Efficient: power consumed is effectively used in the annealing process.
12. All operational functions are readily controlled.
13. Elongation of product to BSS 4109.





Specification Type AB Continuous Resistance Annealer

Annealer	A4M 4 KVA		B4M 8.5 KVA		B4M 11 KVA	
Annealing Wire Range:						
At 6,000 fpm (30.5 mps)	-	-	0.006" to 0.012"	0.15mm to 0.305mm	0.006" to 0.0159"	0.15mm to 0.404mm
At 5,000 fpm (25.4 mps)	0.006" to 0.010"	0.15mm to 0.254mm	0.0121" to 0.0159"	0.306mm to 0.404mm	0.016" to 0.018"	0.405mm to 0.457mm
At 4,000 fpm (20.3 mps)	-	-	-	-	0.0181" to 0.020"	0.458mm to 0.51mm
Transformer Capacity (single phase)	4 KVA		8.5 KVA		11 KVA	
Power Required	5 KVA		10 KVA		13 KVA	
Approximate Weight	1,700 lb	760 kg	1,760 lb	785 kg	1,800 lb	805 kg
Cooling Water per min at 16°C	2 gal	10 litres	4 gal	20 litres	6 gal	30 litres
Floor Space Required	48" x 34"	1.22m x 0.86m	48" x 34"	1.22m x 0.86m	48" x 34"	1.22m x 0.86m
Compressed Air Required	200 cu ft (5.6m ³) per hour at 40 psi (2.8 kg/cm ²) minimum					
Steam Required	5 lb (2.3 kg) per hour at atmospheric pressure					

Features

Drive These annealers are self contained units, driven from the wire drawing machine by belt and pulley.

Replaceable Tyres This feature has the advantage of easily and inexpensively retaining the contact sheaves at their true diameter, thus maintaining their correct peripheral speed.

Closed Circuit Cooling Embodies a reservoir, circulating pump and a thermostatically controlled heat exchanger.

The closed circuit permits the use of an additive to the coolant, eliminating the possibility of water marked wire and aiding wire pay-off from the spool.

Hard Wire Collectors When spooling in conjunction with a Continuous Resistance Annealer the initial length of wire spooled would normally be hard. This is due to the fact that the annealer can only be put into operation when the equipment has accelerated to full speed. The hard wire is obviously an inconvenience in subsequent operations and we recommend the use of the Winget Syncro Hard Wire Collector Device to overcome this problem. It permits the hard wire to be spooled on a Collector Ring adjacent to the spool until such time as the annealer is operating. The wire is then automatically transferred to the spool where it collects in the normal manner.

Disclaimer

Whilst we have endeavoured to ensure that the information contained herein is accurate, Winget Syncro and Beaumont Machinery do not accept responsibility for any errors or omissions. This specification is subject to amendment.