Winget Syncro

Reelomatic Spooler

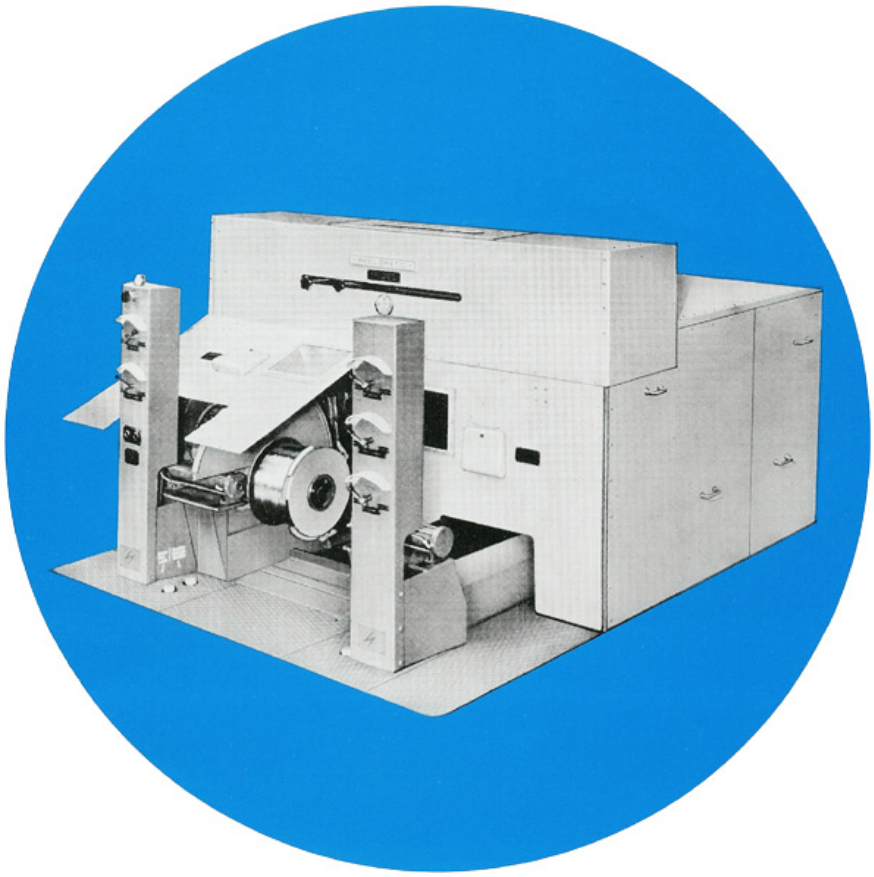
suitable for the take-up of non-ferrous wires

The Reelomatic Spooler is designed to operate with Winget Syncro Rod Breakdown Machines, or machines of other manufacture, for continuous spooling of hard and soft copper or aluminium, with manual operation reduced to a minimum.

The Winget Syncro Reelomatic Spooler has been designed primarily to work in conjunction with the Winget Syncro Type DF Continuous Resistance Annealer.

Advantages of continuous spooling

- Increased production from continuous operation
- Reduction of wire breakage due to starting and stopping
- Eliminates Hard Ends (both initial and terminal) in combined continuous annealing
- Eliminates double handling of wire and spools
- High speed operation
- Low operating cost
- Low maintenance
- Occupies comparatively small floor space



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Specification Reelomatic Spooler

Take-up Wire Range **Soft Copper**	0.040" to 0.162"	1.01mm to 4.12mm
Take-up Wire Range **Hard Copper**	0.040" to 0.128"	1.01mm to 3.25mm
Take-up Wire Range **Aluminium**	0.051" to 0.162"	1.29mm to 4.12mm
Maximum Spool Capacity	1,000 lb	454 kg
Maximum Flange Diameter	30"	760mm
Minimum Flange Diameter	18"	457mm
Maximum Traverse	18"	457mm
Maximum Overall Width	19¾"	502mm
Minimum Bore Diameter	5"	127mm
Maximum Arbor Speed	1,800 rpm	1,800 rpm
Maximum Spooling Speed	5,000 fpm	25.4 mps
Motor Power	15 hp	15 hp
Power Required	30 KVA	30 KVA
Floor Space Required – Machine	120" x 132"	3.05m x 3.35m
Floor Space Required – Control Desk	48" x 36"	1.22m x 0.91m
Approximate Weight inc. Control Desk	11,800 lb	5,270 kg
Compressed Air Required	2 cu ft (56 litres) per spool change at 60 psi (4.2 kg/cm^2)	

Features

Drive This machine comprises two spooling units mounted with the spools in line, each driven by an A.C. motor and eddy current coupling. Change gears give a wide range of operating speeds.

Automatic control The change-over from full to empty spool is automatic and initiated by timers which control the spool filling cycle. At the end of the pre-set period the empty spool is accelerated and when it reaches the correct speed the wire is transferred to it. During this transfer or change-over cycle the wire is fastened on to the empty spool, the wire between spools is cut and a brake applied to bring the full spool to rest.

Elimination of Hard Wire Used with a resistance annealer, hard wire is completely eliminated due to continuous operation. The hard wire produced during acceleration, prior to commencement of annealing is collected on one spool and immediately annealing begins the second empty spool is brought up to wire speed and a changeover effected, so that all subsequent spools carry solely annealed wire.

Distributor and Constant Lay The distributor is hydraulically operated and gives a constant lay (pitch) throughout the spool. The distributor pump is adjustable to give a wide range of lays.

Central Control All operator controls are housed in one central control desk.

Inching To aid operation an 'inching' switch is provided so that the wire drawing machine may be 'inched' from the Spooler.

Spool Handling Changing of spools is aided by using a pneumatically operated spool ejector and unloading platform. The spooling units also are brought to the 'Load-Unload' position by pneumatics.

Spooler Versatility This spooler will accommodate spools of varying dimensions within the limits detailed above. Spools outside this range must be submitted for approval.