




Magnatech International

WSW-IV

PRECISION WIRE SPIRAL WINDER

FEATURES & BENEFITS

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- Flexible and rigid mandrel wire spiral winding
 - 125 RPM max deck speed
 - Change-over time reduced by 50% over existing systems
 - Increased operating efficiency
 - Greater productivity
 - Product range from 5.3 – 99.8mm (0.2 - 3.9in) Lay OD
 - Servo deck control eliminates change gears
 - Wire carrying capacity—up to 635 Kg (1400lbs) per turntable per 180 ends
 - Preforms wire immediately prior to laying wire onto the hose or tube
 - Easily integrated into hose manufacturing systems
 - Bobbins mounted on needle bearings and equipped with disc brakes to prevent bobbin overrun
 - “On the fly” inner liner change capability
 - Choice of bobbin packs—single or multiple ends (up to 180 ends per turntable)
 - Efficient floor space utilization
- Pneumatic caliper braking of turntable prevents unwinding of spiral lays when the machine is stopped
 - Variety of preform tooling available for specific applications (see reverse side)

SPECIFICATIONS

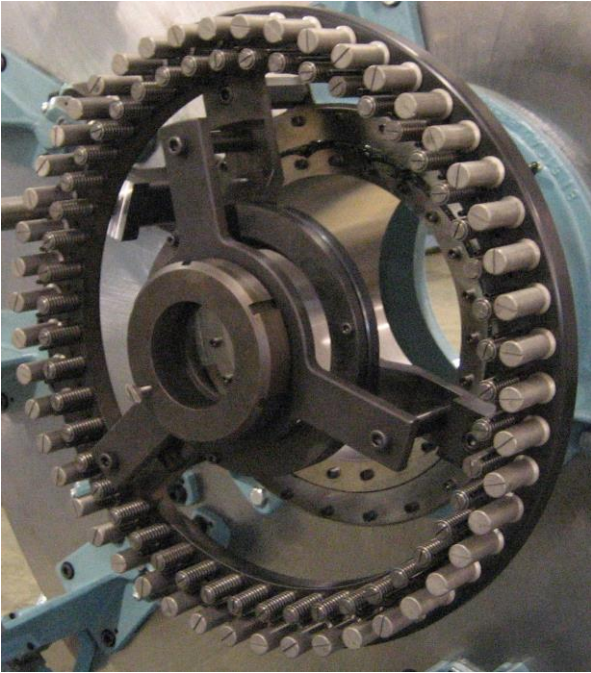
Bobbin Packs (Ends)	6	5	4	3
Wire Capacity/Bobbin Total	2.95Kg (6.5 lbs) 17.7Kg (39.0 lbs)	3.7Kg (8.3 lbs) 18.5Kg (41.5 lbs)	5.0Kg (11.0 lbs) 20Kg (44.0 lbs)	7.0Kg (15.5 lbs) 21Kg (46.5 lbs)
Ends/Turntable	180	150	120	90
Productivity/Minute*	Productivity Lay Dia. 11.3m (36.9ft) 50.0mm (2.0in)	8.3m (27.3ft) 38.0mm (1.5in)	5.5m (18.2ft) 25mm (1.0in)	4.2m (13.8ft) 19.0mm (0.74in)

*Mean wire lay diameter @ 54.75° @ 100RPM

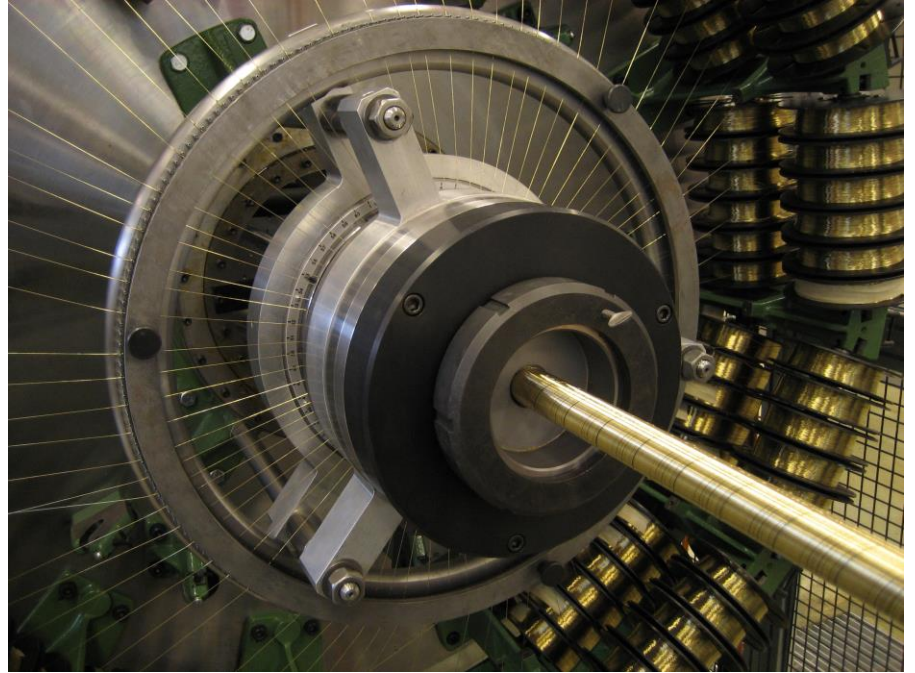
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PRECISION WIRE SPIRAL WINDER

The WSW-IV Precision Wire Spiral Winder offers new capabilities in wire reinforcing for a broad range of hose constructions. It affords you the ability to produce hose with high quality and uniformity by controlling both diameter and pitch preform. In each module, two counter-rotating turntables can be mounted back-to-back or in line facing the same direction. Each turntable has its own individual positive speed control. Control of turntable speed is accomplished by utilizing independent deck controls. On each turntable, a single unit accurately and uniformly preforms all of the wire ends.



Flex Mandrel Preform Tooling



Preform Tooling for Large
Diameter Hose