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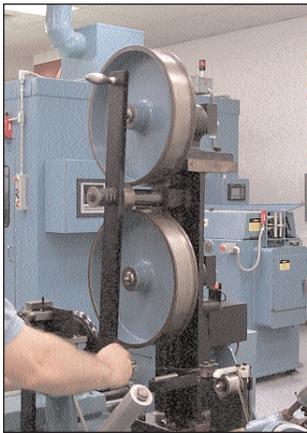
No.: SB-02-99
Date: 17 Aug 1999

BW-5L-1 Bobbin Winder Upgrade Package

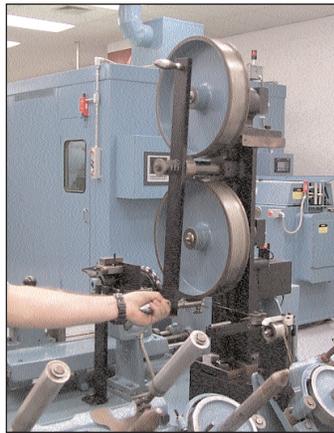
Magnatech International, L.P. has implemented a number of changes to enhance the operation of the BW-5L-1. These changes will improve bobbin winding quality, increase production time and is more operator-friendly. The upgrade package is available as a whole or individual items can be requested. Listed below are the enhancements for the BW-5L-1.

WIRE WRAPPING ATTACHMENT

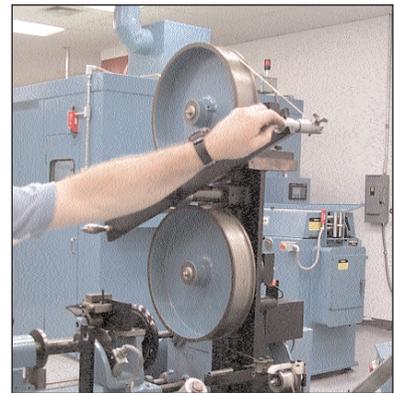
This attachment eliminates the wire guides and combs from the BW-5. It allows the operator to thread the wires through the machine as a band, not one wire at a time. This drastically reduces set-up time and reduces the chance of operator error.



Wires clamped in holding tool are inserted in wrapping arm.



One handed wrapping.



Wires are wrapped helically around godet wheels.

SALES BULLETIN

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DIGITAL WIRE LENGTH COUNTER

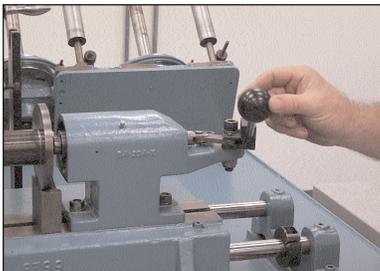
The existing counter on the BW-5L-1 is a mechanical unit. The new digital wire length counter has eliminated the wear factor associated with the gears and other moving parts that are present on the mechanical units; which in turn reduces the need for maintenance. The digital counter is also more accurate.



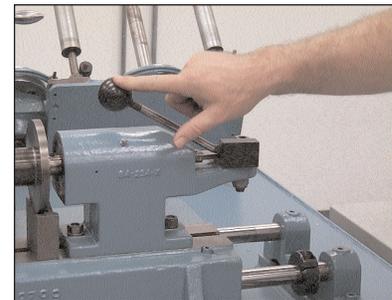
Operator friendly large LED display.

TAILSTOCK ASSEMBLY

The new tailstock assembly is now a over-center locking system. The operator places the bobbin in position and then locks it into place with minimum effort; thus eliminating the need for constant pressure. This assembly also exerts less pressure on the headstock and tailstock bearings; thus increasing bearing life and reducing maintenance.

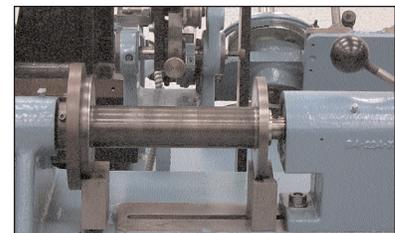


Positive lock with minimum force.



BOBBIN REST

The bobbin rest allows the operator to release the tailstock and a full bobbin will sit on the rests allowing the operator to detach the wires from the beak and then removing the bobbin (*fully wound RB-2 bobbin weight aprox. 33.5 lbs.*) with two (2) hands helping to reduce the possibility of injury to the fingers of the operator.



Bobbin rests keeps bobbins stable for operators.

SALES BULLETIN
BW-5L-1 Bobbin Winder Upgrade Package

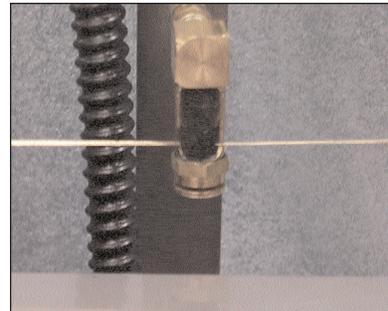
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AUTOMATIC OILER

This device is controlled automatically with a solenoid switch. This allows the machine to coat all the wires uniformly with oil. The setting for the amount of oil is adjustable and controlled by the operator. The device offers a cleaner application method and wastes less oil than manual application of the substance to the wire.



Uniform oil application to the wire prior to winding.



For more information on the upgrade package contact your local Magnatech Sales Representative or Magnatech Sales at (800) 523-8193 (U.S Only) or (610) 678-1200.