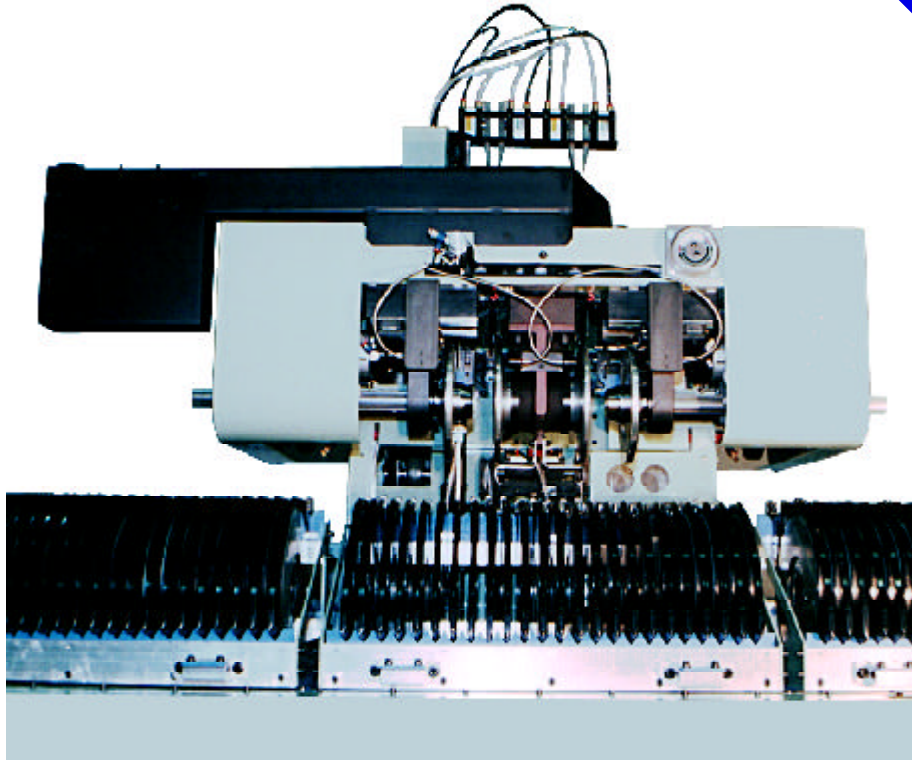


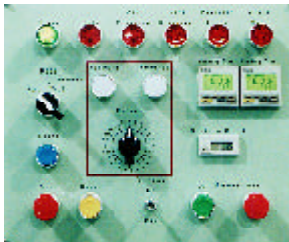
Fully automatic bobbin winder for use with all Amita net machines excepting Models NSX and GTA

MODEL  
AWD



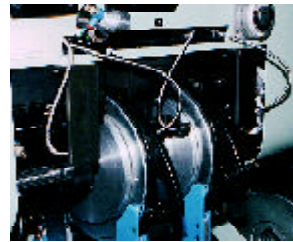
### **Control panel.**

Controls for the Model AWD are centrally located and logically laid out.



### **Winding process.**

Bobbin faces are pressed by a pneumatic force during the entire winding process.



The Model AWD automatic bobbin winding machines have been designed to work in conjunction with our high-performance, high-speed net machines: Models NSB, NSC, NSS, NTS, NBA and YSA. AWD's operate automatically at ultra-high-speeds, and as a result save both time and labor. The current models, now in their third generation, are a blend of the basic design found in our first automatic winders (1983) and the technological advancements that have taken place in the past several years. When combined with net machines employing the whole-lot bobbin change system, net production is maximized.

The function of these winders is precise, yet operation is simple enough for people with little experience. Weft bobbins, still inside their shuttles, are placed in the winder's loading platform. Tie-in knots are then automatically formed by the machine's "knotter", which ties the knots of the same strength and quality as that by a human hand. Bobbin winding proceeds automatically without any attendance.

## **MAJOR FEATURES**

- ❖ High-speed bobbin loading: up to 1,000 meters per minute with easily-adjustable, stepless speed control.
- ❖ Auto-stop for "full bobbin" assures uniform tension loading from bobbin to bobbin.
- ❖ Bobbin faces are pressed by a pneumatic force during the entire winding process; eliminating bobbin opening and greatly reducing inadmissible winding.
- ❖ Automatic "main-power cut-off" provides added safety during unattended operation.
- ❖ Revolutionary design saves space, and allows for the continual loading of bobbins retained in shuttles.
- ❖ "Knotter" ties a double-knot to join the remaining twine with the fresh feed twine.

## MODEL AWD Automatic Bobbin Winding Machine

Type		0709	1114
Turnheads		2	
Applicable net machine	AMITA	NSB, NSC, NSS, NTS, NBA, YSA	
	pitch (mm)	7 ~ 9	11 ~ 22
Bobbin diameter	mm	150, 170, 200	230, 250
Number of shuttles		240	192
number of boxes		6	8
shuttles per box		40	24
Applicable twine range			
P.E. braider cord	denier/ply	250/2 ~ 380/12	380/3 ~ 380/21
nylon monofilament	mm	0.127 ~ 0.403	0.284 ~ 0.656
nylon multifilament	denier/ply	110/2 ~ 210/18	210/4 ~ 210/60
Speed	m/min.	up to 1000	
Tie knot configuration		double	
Twine supply		endways from pim style bobbins	
Compressed air		8kgf/cm <sup>2</sup> 70 liter/min	
Main motor	kW	1 x 0.75	
Loader motor	kW	1 x 0.06	
Knotter motor	kW	2 x 0.006	
Dimensions (l x w x h)	mm	2,050 x 1,240 x 1,700	2,750 x 1,350 x 1,700
Weight net	kg	1,400	1,600
gross	kg	1,900	2,100
Export packing size	m <sup>3</sup>	6	7.5

- ❖ For use with steel bobbins only.
- ❖ Individual design for each bobbin diameter.
- ❖ Compressor not included.



For further information on Amita products and service, please contact the manufacturer directly at the following address:

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