

COIL WINDING

AUTO STOP COIL WINDERS

MODEL NOS. 75, 76 & 77

AUTOMATIC STOP

A Bi-Directional single level preset counter counts from 1-999,999 turn counts. Registers turn count whether adding or subtracting turns. The counter displays the turn count and tachometer reading then stops the winder at the preset number. The stopping position can be advanced up to one full turn to compensate for inertia override under various loads and speeds.

LIGHT-MEDIUM DUTY WINDER

This constant torque winding machine provides a permanent magnet DC motor which drives a gear reducer. Engineered for those who require a coil winder with limited pulling power and a wide speed range.

PERMANENT MAGNET DC MOTOR DRIVE MODEL 75 & 76

The DC motor offers soft, smooth starting and stopping. Controlled acceleration from zero to full speed prevents shock loads, which could stretch or break the wire. This drive is reversible and can operate continuously at rated torque throughout the specified speed range.

SPEED CONTROL

Speed is controlled by the integral foot pedal. The operator has full control of acceleration and deceleration of the entire speed range by use of the remote pedal. The operator will accelerate to the same speed every time the foot pedal is depressed.

A.C. ADJUSTABLE FREQUENCY DRIVE MODEL 77 ONLY

SAFETY FEATURE

The operator may stop the machine instantly at any desired turn count by simply removing pressure from the foot pedal. Starting and stopping remains controlled by the pedal.

COIL WEIGHT CAPACITY

Loads up to 240 Lbs. when used with outboard support such as the ACE Model 65 or 66 Tailstock.



DEPICTS MODEL 77

SPEED AND TORQUE RANGES

MODELS	RPM SPEED		LB. FT. TORQUE		HP
	CONSTANT TORQUE	VARIABLE TORQUE	CONSTANT TORQUE	VARIABLE TORQUE	
75	0-490	N/A	10	N/A	1
76	0-490	N/A	20	N/A	2
77	0-336	336-672	31	16	2



The ACE Coil Winding System

ace Since 1919

ACE EQUIPMENT COMPANY
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LIGHT-MEDIUM DUTY COIL WINDERS

MOTOR

MODEL	HP	R.P.M.	VOLTS	HERTZ
75	1	2500	90 VDC	50/60 HZ
76	2	2500	180 VDC	50/60 HZ
77	2	1450/2900	240/480 VAC	50 HZ
77	2	1800/3600	240/480 VAC	60 HZ

DC CONTROL POWER

MODEL	VOLTAGE	PHASE	HERTZ
75	120/240 VAC	1	50/60 HZ
76	240 VAC	1	50/60 HZ
77	240/480 VAC	3	50/60 HZ

Torque

Torque is developed by an in-line double reduction gear reducer.

Face Plate

8" Dia. with four slots, which readily accommodates all types of special winding forms and fixtures.

Swing

39-3/4" height to center of the face plate

Braking

A heavy duty electromagnetic spring-set Disc brake is mounted on the input shaft to produce accurate, positive stopping.

Face Plate Output Shaft

1-1/4" Dia. Shaft. (Model 76 & 77)
1" Dia. Shaft (Model 75)

Bearings

Drive shafts are mounted in fully self-aligning, precision built, anti-friction roller bearing pillow blocks.

Gears

Double reduction precision ground gears.

Complete Winding Systems

The 70 Series Coil Winders can be configured with other ACE winding components to create a complete coil winding and tension system.....



POWER

MODEL	HP	AMPS	VOLTS	PHASE	HERTZ
75	1	18 F.L.	120 VAC	1P	50/60 HZ
75	1	9 F.L.	240 VAC	1P	50/60 HZ
76	2	18 F.L.	240 VAC	1P	50/60 HZ
77	2	10 F.L.	240 VAC	3P	50/60 HZ
77	2	6 F.L.	480VAC	3P	50/60 HZ

Enclosure

Formed heavy gauge cabinet containing mechanical and electrical components. Designed for easy maintenance accessibility.

Important

When ordering, specify required power.

Modifications

The winder is designed to be easily modified to meet customer's torque and speed specifications.

DIMENSIONS

MODEL	SIZE	NET WEIGHT	GROSS WEIGHT
75	20"W X 35-1/2"D X 49"H	250	300
76	20"W X 35-1/2"D X 49"H	300	350
77	20"W X 35-1/2"D X 49"H	350	400

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