



## **COIL WINDING MACHINE MODEL CWDE2057**

The Bench type Coil Winding Machine is a small, rugged and durable unit used for winding coils from the smallest solenoid type to the medium size, single-and 3-phase types stator coils. (3 hp to 75 HP).

### **MOUNTING:**

The Machine should be mounted to the front and on the right hand side of a table or work bench. The front of the Machine is mounted flush to the front of the table: the right hand side should be within an inch of the table edge. This should be done primarily to give plenty of swing to any desired Head that might be used. Attach a Chain thru hole provided in the combination brake and clutch Lever, S Hooks supplied. The other end of the Chain should be fastened to the hole in Foot Pedal. With the clutch-brake Lever position at its extreme down position, adjust Chain so that the foot Pedal will have a minimum of 1" clearance from the floor. (Foot Pedal, Part#2071).

**WARNING:** This Machine was shipped dry. Add 24 oz. Of SAE#40 oil through the vent Plug at top of Machine.

### **MOUNTING THE COIL WINDER HEAD:**

All of our Winding Heads will match the holes of the face Plate. If some other type of winding form is used, it can be mounted with any of the holes on the face Plate or in the tapped hole in the center. The Machine is furnished with a 1/2" NC tap in the output Shaft.

### **WARNING:**

Move the brake-clutch Lever to the neutral or center position and rotate the Head by hand before turning on the power. Be sure there is clearance for its complete rotation.

### **SPEED SETTING:**

The three speeds are obtained by placing the V-belt in the various positions on the 3-step Pulley. The lowest face plate speed is obtained by setting the Belt in the smallest portion of the motor Pulley. LOW=108 RPM, MEDIUM=220 RPM, HIGH=RPM.

### **OPERATION:**

Set the Counter to zero by means of the wing Nut on the end opposite the counter Shaft. Turn the Motor on and press the Foot Pedal slowly until the maximum speed is obtained. Wind the desired number of turns as indicated on the Counter and stop the Machine by removing your foot from the Foot Pedal. Removing the foot automatically engages the Brake.

## MAINTENANCE:

The Bench type Coil Winding Machine has basically only two points of wear:

1. The drive Belt (Part#807031)
2. The brake Linings (Part#500003)

The oil level should be checked occasionally, and maintained so that the lowest Gear should dip into the oil from 1/8" to 1/2". Disconnect power. Remove vent Plug on top of gear Case. Insert a twelve inch stick or rod straight down to bottom of gear Case. Remove and observe oil level. Oil should be indicated for 3/4" minimum. (Use SAE#40 wt oil as needed).

## WARRANTY:

This Winder is warranted to the original owner against defects in materials and workmanship for ninety (90) days from date of purchase. Any part found to be defective (except by overloading, misuse, neglect, fire, accident, tampering with by unauthorized serviceman, or other cause beyond the manufacturer s control), will be replaced or repaired free of charge.

**PRIMARY POWER:** 115VAC, 50/60 Hz, 1 phase

**TORQUE:** at Low speed = 28 ft-lb; at Medium speed = 15 ft-lb; at High speed = 7 ft-lb.

## CONTROLS:

Clutch & Brake: depressing the Foot Pedal engages the Machine, releasing the Foot Pedal engages the Brake.

Mechanical five (5) digit, heavy duty Counter.

Speed adjustment: simple belt adjustment on three (3) step Pulley varies the speed to Low (108 RPM), Medium (220 RPM), and High (440 RPM).

Face plate Shaft is tapped for standard 1/2"-13 bolt for winding solenoid, electromagnetic and other small coils.

## ATTACHMENTS:

Foot Pedal with Chain Supplied (Part #2072).