

# **INSTRUCTION BOOKLET FOR PARTS COLLECTOR / INDEX TABLE**



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ATTENTION: PLANT MANAGER

Thank you for purchasing Durant equipment. Enclosed are very important safety instructions, operating instructions, and setup procedures.

Read all these materials completely and carefully. Please distribute copies to your SAFETY MANAGER, PRODUCTION MANAGER, and MACHINE OPERATORS.

If there is any help required in setup or operation, we will be readily available for your assistance.

Thank you again and we look forward to developing and maintaining a fine relationship with your company.

Sincerely,

DURANT TOOL COMPANY

## **SAFETY INSTRUCTIONS FOR ALL DURANT EQUIPMENT**

The enclosed information and instructions must be forwarded and distributed to the Plant Safety Director, Plant Manager, Production Manager, and all Operators of Durant equipment.

Operators of Durant equipment must have a minimum of (3) three years operating experience with similar Durant press room equipment or a minimum of (3) three years experience with identical equipment manufactured by other press room equipment manufacturers.

### **WARNING**

Never operate, install, or maintain this machine without understanding the complete and safe operation thereof.

It is the employer's responsibility to provide proper safety devices and equipment to safeguard the operator from harm and to safeguard this machine at all times to meet all current government safety codes and standards.

### **CAUTION**

All Durant equipment must be securely fastened to the floor. This will prevent the machine from tipping. Failure to follow the above instructions could cause harm to the operator or machine.

### **ATTENTION**

If any danger points are observed:

1. Immediately stop machine.
2. Do not run machine until danger point is eliminated.
3. Report danger point in writing to your employer.
4. Keep a copy of your report for your records.
5. Do not run machine again until danger point has been corrected.
6. It is your employer's responsibility to safeguard this machine to meet all government safety codes and standards.
7. There are U.S. companies that specifically specialize in safe guarding machines to plant requirements and government codes. The safe guarding companies are located throughout the United States, Canada, and foreign countries. Representatives will visit your site to advise and recommend safe guarding procedures for your company.

### **IMPORTANT**

Before the first use and monthly thereafter, all nuts, screws, and bolts should be checked for tightness. Gears, sprockets, chains, and belts should also be checked for tightness.  
Grease and oil fittings and reducers monthly.

## **MECHANICAL SETUP:**

1. The main enclosure which is 6”H x 8”W x 6”D, JIC and is mounted to customers equipment.

## **WIRING SETUP:**

1. Connect 115 vac to terminals 1 (L1) & 2 (N). Ground to ground stud.

**[Note: Factory connected with a male cord and plug!]**

2. Terminals 4 (A1) & 5 (A2) are the output terminals to motor. Output equals, 0-90 vdc.

**[Note: Factory connected.]**

3. Terminal 6 (brown) & 8 (blue) are the input terminals from the proximity sensor mounted beneath the turn table, sensing the 5 station screws.

**[Note: Factory connected.]**

4. Terminals 9 & 10 are the input terminals from the customer supplied parts counter located on customers press.

**[Note: a normally closed contact should be used. When the contact opens, index table will rotate to the next station. Contact should be a dry contact timed to be open for approximately for .5 - 1 second then close. If contact remains open index table will keep on rotating.]**

## **OPERATORS PUSHBUTTONS:**

1. ON/OFF: Two position selector switch energizes control system, Power On.
2. INDEX: White pushbutton indexes the turn table to the next station. If held in turn table will keep on rotating.
3. Jog Speed: Potentiometer mounted on inside control panel sets jog speed.

## **TERMINAL LAYOUT:**

- 1 = n/a
  - 2 = L1 (115 vac)
  - 3 = N
  - 4 = A1 (motor)
  - 5 = A2 (motor)
  - 6 = Brown lead from Prox. Sensor
  - 8 = Blue lead from Prox. Sensor
  - 9 = N.C. input from Customer supplied parts counter
  - 10 = N.C. input from Customer supplied parts counter
- Ground Stud = Earth Ground

## **PROCEDURE OF OPERATION:**

- Plug Orange male power cord into 115 vac supply.
- Turn Selector Switch to the On position.
- To advance to the next station manually, press index button then release while in motion.
- To advance to the next station automatically, counter contact will open .5 - 1 seconds then return to the closed position.