

**MADE IN U.S.A.**

*See page 4 for available driver choices*

## **N A S C O M A T I C 2 0 0 1**

**AUTOMATIC SCREWFEEDING SYSTEMS  
THE ASSEMBLY TOOL FOR ALL REASONS...**

### **RELIABILITY**

- 10 million cycle pneumatic logic element
- Hard chromed stainless steel track
- Patented screw release mechanism (escapement) has only one moving part

### **SIMPLICITY**

- Auto-push-to-start driver
- Quick release air fittings to change bits, clutches, etc...
- Externally adjustable clutch with automatic shut-off

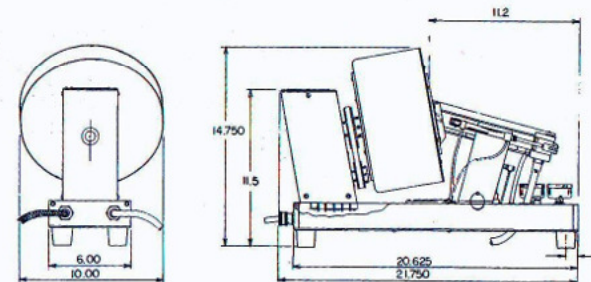
### **DEPENDABILITY**

- Drive screws at any angle without jamming, even vertically upward
- Floating stabilizer prevents minor screw head size variations from jamming feeder
- Built-in FRL for system protection

### **FLEXIBILITY**

- Modular construction allows alternate uses as production demands change
- Available options for most production requirements
- Unique multidriver and robotic applications available

### **DIMENSIONS**



## SPECIFICATIONS

For Typical Standard Machine.

Specifications may vary due to customer requirements, screw size/type, workpiece configuration and/or application.

## ELECTRICAL REQUIREMENTS

115vac, 60 Hz @ 7va

## AIR REQUIREMENTS

Normal operation within specifications-80 psi, min.  
Operation with reduced performance-60 psi, min.

## APPLICATION RANGE

#1 to #10 fastener.  
1/4" to 1" long.  
1.15:1 screw length to head diameter ratio, minimum.

## FEED RATE

Average-30 screws/minute, max.  
Max. Feed Rate-Less than 1 screw/sec.

## DRIVER

In-line driver system. Driver starts when bit is depressed and stops the instant preset torque is reached on fastener.  
1000 to 2300 rpm free speed based on screw size, type.  
Up to 30 in.-lb. or 2-17 in.-lb. externally adjustable torque based on screw size, type.  
Externally reversible drive motor.

## DRIVER JAWS (#1, 2, 4, 6, 8, OR 10)

Cantilever spring jaws with patented Linear Lock™ system that holds screws tightly against drive bit until completely driven.  
No moving parts make contact with the work surface.  
1/16" min. clearance required from edge of screw head to any obstruction.

## DRIVE ANGLE

Any orientation, even vertically upward.

## FEEDER

Bowl diameter-10 inches.  
Bowl capacity-5 lbs.  
Screw delivery-Rotary drum with heavy Buna-N liner for quiet, dependable operation while preventing screws from becoming magnetized.  
Patented escapement mechanism cannot deliver more than one screw at a time.

## ON-OFF CONTROL

Exhausting sleeve type air shut-off valve at the air intake.

## HOSE LENGTH

12 feet yields 9 foot reach.

## QUOTATION REQUIREMENTS

Sample screws.  
Sample workpiece.  
Quotation data sheet.

## ORDER REQUIREMENTS

5 lbs. of screws, sample parts.

## AVAILABLE OPTIONS AND CAPABILITIES

### SCREW SIZE RANGE

The Nascomatic 2001 can be configured to accommodate from #00 up to 3/8" size screw.

### SCREW LENGTH

Up to 3" long.

### ELECTRIC INPUT

208/220vac, 50/60Hz

### FEEDER BOWL

8", 12" and 15" diameter bowls to accommodate a wide selection of fasteners, stand-offs, terminals, rivets, inserts and studs with varying capacities.  
Rotary bowl access doors-One pair of hinged doors provided for easy refilling and quick cleaning.

### HOSE LENGTHS

Less than or greater than 12 feet.

### CLAMSHELL JAWS

Used primarily for - long screws  
- large size screws  
- coarse threads

### DELTA DRIVER

Driver never touches work surface.  
Allows access into recesses.

### AED (AUTO-EXTEND DRIVER)

For fixture mounted and robotic applications.  
Allows screwdriving in any orientation, even vertically upward.

### OPTIONAL DRIVER MOTORS

The Nascomatic 2001 system can accommodate most speed and torque requirements.  
Actuating trigger.  
DC electric.

### SPARE TRACK AND DRIVER ASSEMBLIES

Allows different size screws to be used from the same feeder system.  
No tools required for changeover.

### ENVIRONMENTAL ENCLOSURES (SEE PAGE 19)

Bench mount.  
Cart mount.

### CUSTOM SYSTEMS

Multi-driver systems.  
Robotic applications.  
Programmable electronic controllers.