

MODEL SG-410

Certified To ISO 9001:2000

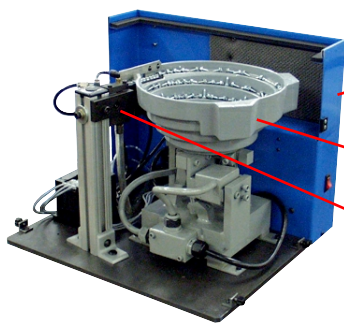
MODEL SG-410 SCREWDRIVER

- SCREWS AUTOMATICALLY DELIVERED DIRECTLY INTO CHUCK JAWS FROM FEEDER
- SCREWDRIVER IS SELF PURGING WITHOUT DISASSEMBLY
- PLC LOGIC SEQUENCING CONTROLS
- ADAPTS TO WIDE RANGE OF COMMERCIAL AIR MOTORS AND CLUTCHES
- OPTIONAL SUSPEND ALL® HANGER ASSEMBLY TO COUNTER-BALANCE SCREWDRIVER

The Dixon Model SG-410 Screwdriver handles a wide range of screw sizes and configurations. The units can easily handle hex headed screws and screws with captivated washers. Screwdrivers are available with a variety of commercial air motors, conventional magnetic and non-magnetic finders and bits. Screwdrivers are furnished with trigger control and/or push-to-start motors. Reversing air motors are available for removing screws.



Feeder System



THE FEEDER SYSTEM IS COMPRISED OF THESE BASIC ELEMENTS:

- Enclosure - Reduces noise level and keeps feeder system protected from environment.
- Vibratory Feeder Bowl - Stores and delivers screws to escapement.
- Escapement - Singulates the fasteners then upon control signal blows the escaped fasteners to the screw driver handset.

Screwdriver Handset



THE SCREWDRIVER IS COMPRISED OF THESE BASIC ELEMENTS:

- Housing - The housing contains all screw delivery mechanisms to deliver the fastener to the chuck jaws.
- Air Motor - Commercially available motor.
- Chuck Jaws - Receives and transfers the fastener from the feed system to the drive bit or socket.

THREE CONTROL MODELS

Three basic control models are available to suit various tooling requirements:

- Control allows chuck jaws to remain forward to support screw during initial screw insertion.
- Control allows chuck jaws to remain forward but will allow yielding upon insertion of screw into a recess.
- Control allows chuck jaws to load a hex head or other type of screw into all magnetic type drivers, then automatically retracts to provide greater clearance for restricted work areas.

60th Anniversary



Celebrating over 60 years in providing our customers with innovative solutions to their automated assembly needs. Our customized and standard machines are backed by years of engineering excellence.

DIXON AUTOMATIC TOOL, INC. PRODUCTS GROUP

2300 23rd Ave. Rockford, IL 61104
Phone: (815) 226-3000 Fax: (815) 226-8613
www.dixonautomatic.com • email: sales@dixonautomatic.com



Sample Application



Chuck Jaw Transfer

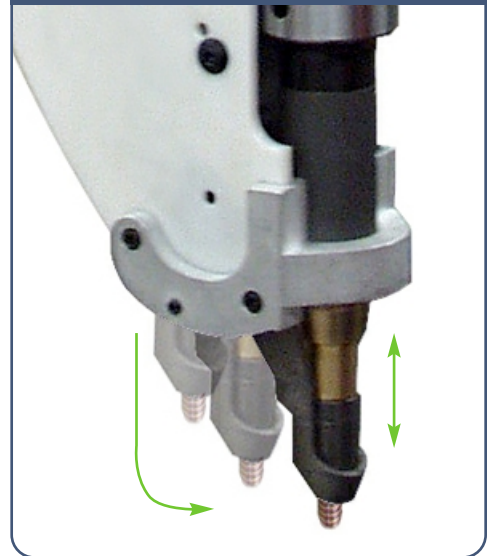


Photo shows chuck jaws transferring a screw from delivery tube to drive position

Filter - Lubricator - Regulator



Photo shows the back of the feeding unit where the filter-lubricator-regulator is located

Specifications

Screw size capacity	#2 to #12
Maximum screw length	one inch
Minimum screw length	1.20 x head diameter
Feed tube length	8 feet
Bench space for feeder	16.5 L x 14.6 W x 12.4 H inches
Working radius (hanger assembly)	18 inches
Height adjustment (hanger assembly)	0 - 12 inches
Air supply	80 - 120 psi
Electrical supply	120 vac

Contact

Contact Dixon for all of your auto-fed screwdriving part placing, pressing, assembly application needs. Dixon is sure to have a model to suit your production requirements. See our website for our complete catalog of automatic assembly components, machines and controls. Quotations are offered at no cost or obligation.

WWW.DIXONAUTOMATIC.COM

DIXON AUTOMATIC TOOL, INC. PRODUCTS GROUP

2300 23rd Ave. Rockford, IL 61104
 Phone: (815) 226-3000 Fax: (815) 226-8613
www.dixonautomatic.com • email: sales@dixonautomatic.com

