



# DIXON AUTOMATIC TOOL, INC.

Products for Automated Assembly

## SEL Series - SRL and SRV

### Simple Line Automatic Screwdrivers with Feeder

Mfr. Stöger Automation

*Sales Representative in  
USA, Canada and Mexico  
For 24 years*

The screwdriving units in the SEL Series are attractive thanks to their robust nature, cost-effectiveness, and their short design due to the sliding carrier layout. They may be used universally and in any driving position: at manual workstations, transfer systems, rotary table system, positioning axes, and robots.

For consistent quality, all driving parameters and the driving results (OK/NOK) may be queried and documented. Especially in the high torque range up to 100 Nm, the SEL is the screwdriving system of choice.

The simple yet reliable design contributes to the system's easy servicing. The downtime is reduced to near zero. This provides an exceptional high level of availability.

For driving positions that are hard to reach, the screwdriving unit is available with a vacuum module.



#### THE ADVANTAGES AT A GLANCE:

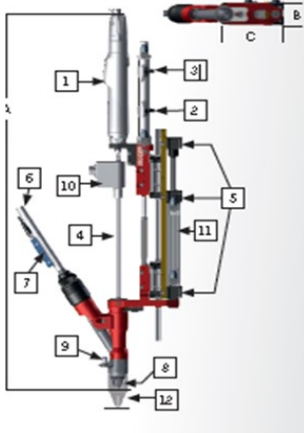
- ♦ Compact layout
- ♦ Automatic feeding of the screws
- ♦ Free selection of the drive: pneumatic or electric with torque transducer or current consumption
- ♦ Tool change < 20 seconds
- ♦ Automatic screw discarding in case of bad screws or incorrect boreholes
- ♦ Monitoring and documentation of torque, speed, driving depth

## Technical Data

	SEL 21	SEL 101	SRL 21	SRL 101	SRV 21	SRV 101
Screw head ø max	5 – 17mm*	5 – 20mm*	5 – 17mm*	5 – 20mm*	5 – 17mm*	5 – 20mm*
Screw size	M2 – M8*	M3 – M12*	M2 – M8*	M3 – M12*	M2 – M8*	M3 – M12*
Torque (Nm)	0.2 – 20 Nm	5 – 100 Nm	0.2 – 20 Nm	5 – 100 Nm	0.2 – 20 Nm	5 – 100 Nm
Rotational speed (depending on drive)	50 – 2,500 rpm	50 – 2,500 rpm	50 – 2,500 rpm	50 – 2,500 rpm	50 – 2,500 rpm	50 – 2,500 rpm
Feed stroke	80mm*	50mm 75mm 100mm*	-	-	Overstroke up to approx. 120mm	Overstroke up to approx. 120mm
Vacuum module	-	-	-	-	yes	yes
Suitable for robot adaptation	yes	yes	yes	yes	yes	yes
Contact pressure	40 – 180 N	60 – 330 N	40 – 180 N	60 – 330 N	40 – 180 N	60 – 330 N
A (mm)	from 600mm**	from 850mm**	from 600mm**	from 850mm**	from 600mm**	from 850mm**
B (mm)	52mm	80mm	52mm	80mm	52mm	80mm
C (mm)	120mm	155mm	90mm	110mm	90mm	110mm

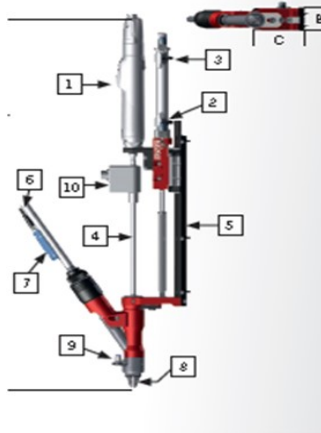
\* Standard, other values possible. \*\* The length of the unit varies depending on drive, work piece and screw dimension.

**SEL**



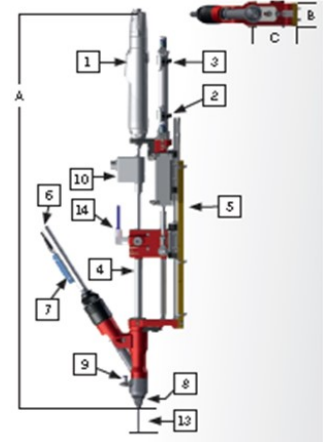
1. Drive (electric or pneumatic)
2. Feedback indicator
3. Depth sensor
4. Screwdriver tool

**SRL**



5. Mounting surface
6. Feed tube
7. Screw loading control
8. Nose piece
9. Holding air current\* (from overhead screwdriving processes)

**SRV with Vacuum Module**



10. Torque transducer\*
  11. Feedstroke cylinder with position indicator
  12. Feedstroke
  13. Overstroke
  14. Vacuum connection
- \* optional



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