

DRIVING THE INDUSTRY FORWARD

# Carlson Engineering...

AUTOMATED SCREWDRIVING SYSTEMS & COMPONENTS



*Providing  
Tomorrow's  
Automatic  
Screw Driving  
Solutions  
Today!*

DRIVING THE INDUSTRY FORWARD

## Performance, Innovation and Durability...

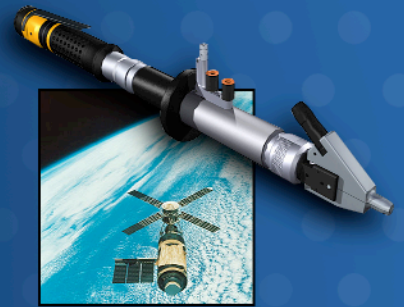
# Carlson Engineering is Quickly Becoming the Industry Standard!

*Carlson Engineering has the solution to your automatic screw driving and assembly needs. We know high-speed automated screw driving and screw feeding, with twenty plus years of application experience. We know your application and we'll work together to make your assembly process easier and more productive.*

*Our rugged, reliable, and low-maintenance line of high-performance automatic screw driving systems and equipment consistently out perform and result in lower cost of operation than other competitive products available today.*

*Carlson's line of automated screw driving and screw feeding products are better designed to offer higher torque in more compact units. These better design concepts make the Carlson line the "Right Choice" for industry's toughest and most challenging applications.*

*Our innovative System Component Packages make it easy to integrate precision/high-speed capabilities on your simple or complex assembly application. Our extensive product line can be fitted with any air or electric screw driver on the market today. With 40 different single to multiple screw driving models, our product line is unmatched in performance and value and is positioned to become an industry standard.*



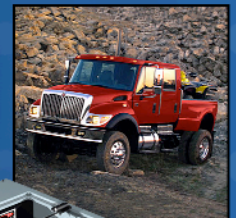
AEROSPACE



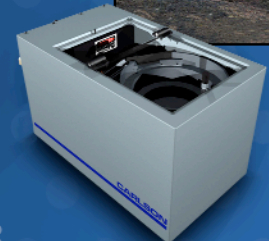
AUTOMOTIVE



TRUCK & TRAILER



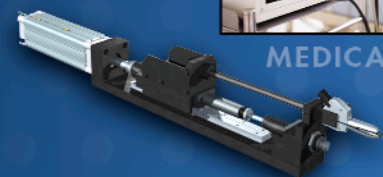
WINDOW & DOOR



ELECTRONICS



MEDICAL



*Experience Carlson's Rugged, High-Torque and Low Maintenance Line of Hand-Held Drivers!*

## ▶ **HANDHELD DRIVERS**



*Our hand-held drivers are easy to use and can access tight spaces.*

### **Carlson's Hand-Held Suredrive and Telescoping Have Become an Industry Standard!**

Carlson's line of hand-held automatic and ergonomic screwdrivers offers single or multiple spindle usage. Their compact ergonomic design provides high-torque and accuracy and work with a screwfeeder. Whether your application is a circuit board or a dashboard these durable drivers can install fasteners when and where you need them.

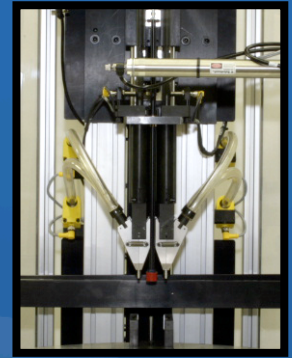
## ▶ **SCREW FEEDERS**



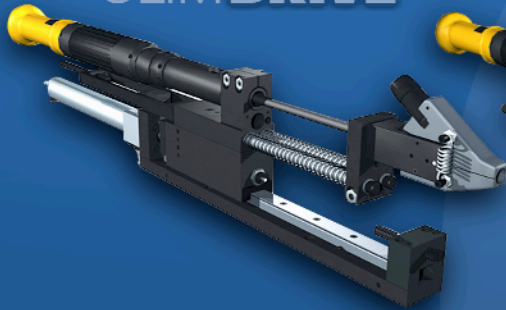
### **Carlson's Manufactured Automatic Vibratory Bowl Screwfeeding Systems**

The Carlson Engineering Automatic Screwfeeders are available using vibratory bowls or Stepfeeders/ Ladder feeders. They can work stand alone or with any of our automatic screwdriving heads.

# ► FIXTURED DRIVERS



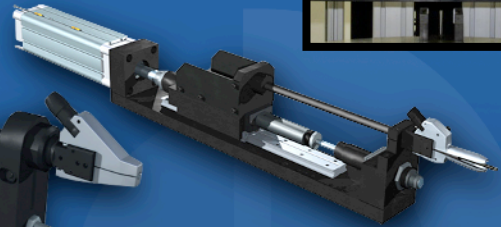
SLIM **DRIVE**



X **MOD**



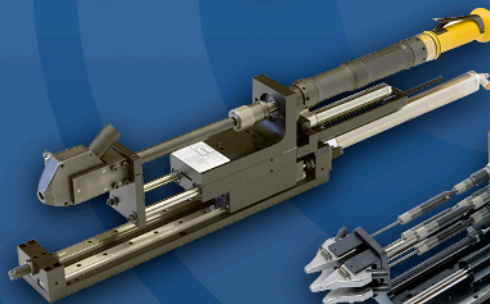
MID **DRIVE**



## Experience Industry's Most Powerful and Exciting Line of Fixtured Screwdrivers From Carlson Engineering

Carlson Engineering has the deepest product offering of Fixtured Screwdriving Heads on the market today. These versatile drive heads can be mounted to: Fixtures, Indexing Stations, Transfer Lines, Work Cells, Cartesian and Scara Type Robots.

TWIN **SLIM**



MULTI **DRIVE**

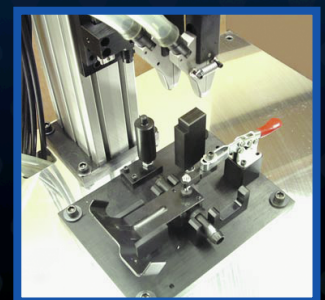


# ► DRIVE CELLS



## Custom Engineered Screwdriving and Assembly Cells Built to Your Spec!

Leverage our vast application experience to design, spec and build a custom drive cell to your assembly specifications. Turn-key, PC and PLC based controls available for superior control and productivity.



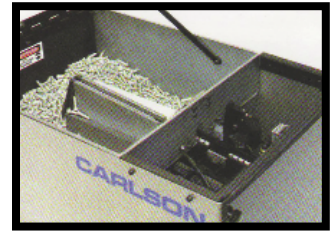
*Multi, single and robotic cells assure each screw is driven to the right depth with the right torque.*

# ▶ CARLSON SYSTEMS

## Packaged Screwdriving & Screwfeeding Solutions

*Turn-Key Systems Available in Many Combinations*

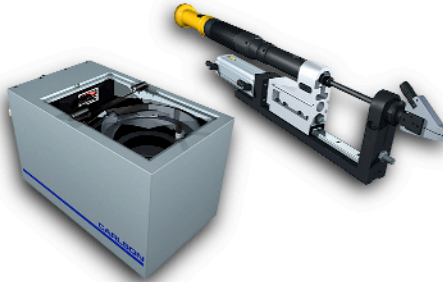
Carlson's innovative system component packages provides integrated screwdriving and screwfeeding components designed to perform and produce. Experience speed, accuracy and true plug and play capability with one of Carlson's packaged systems.



*Our systems include screwdriving and screwfeeding components for most applications.*



Choose from twelve system configurations



Customize your system with the many options available



Integration components available to extend the systems capabilities

# ▶ CARLSON OP-ASSIST TOOL STANDS



## Tool Support Stands Tool Balancers Torque Reaction Arms Tool Holders

Our stands absorb torque while keeping the tool in place, perpendicular to the work piece. The Down-Assist option provides constant downward pressure that reduces operator fatigue and bit chatter while increasing bit life and overall thread quality.



*NLE Toolstand  
Linear Elbow Stand*



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