Weber Screwdriving Systems Inc.

World leader in the technology of feeding and installation of multiple fastener types, for a broad range of automotive, electronics, appliance, medical and aerospace manufacturing customers.

Technology That Connects

Screwdriving, Inserting, Feeding, Assembling

Handheld Screwdriving

Ergonomic and versatile with new LOW COST solutions

HSP pneumatic motor system features Self Advancing automatic driver bit stroke with adjustable stroke speed, and adjustable shut-off clutch. Feed-while-you-drive Swivel Arm means that unlike our competitors the next screw can be escaped and blow fed while the previous one is being installed, providing the fastest cycle time.

HSE electric motor system features the same self advancing driver bit stroke and feed-while-you-drive technology. This hand held screwdriver is for more demanding applications which require a fully programmable DC electric tool for accurate torque control. Easily combined with our full range of automatic screwfeed systems to provide a high speed, very accurate assembly machine. The system offers adaptation to many styles and brands of screwdrivers/controllers and is not limited to DC electric. Automatic bit advance prevents jamming in the nosepiece, and an optional Bit-Lock feature provides assurance that the fastener is contained in the nosepiece and cannot migrate back up inside the jaws.

HST pneumatic telescoping head system is a push-to-start solution for less demanding applications. This collapsible hand piece uses our full range of standard and custom nosepieces.

Stationary Screwdriving

Cost Effective and Reliable

The industry leading design in fixed screwdriving systems, the Marathon screwdriver offers highly reliable automatic feeding for screws, nuts, threaded bolts and many other components. Especially suited to high volume manufacturing requirements, with heavy duty ratings on all components for long tool life and high reliability. This also means extremely long maintenance intervals, and superior wear resistance. Modular, and compact in design with tool-less “quick-change” features for bit and screwdriving head removal. There is no Z-axis movement of motor during cycle.

Designed for high volume industries that do not require the features of the Marathon screwdriver above, Weber offers an entire range of screwdrivers suitable for torque up to 50 Nm. Just like the Marathon driver these screwdrivers are highly reliable with quality construction. When coupled with an automatic feed system this LCS driver provides a complete solution. Especially suited to high volume woodworking, window, door and white goods manufacturing requirements. With heavy duty ratings on all components for long tool life, this system offers a lower cost solution while maintaining long maintenance intervals.
Our Polyfeed-7 solid urethane bowl with in-stock adjustable tracking and escapement tooling makes our feeder unique in the industry. With flip up access to the feed track and a dual durometer spiral, you will enjoy long lasting service from this feeder. No tools are need to gain access to out of specification screws that get jammed. Available sound enclosures and bulk supply hoppers complete this reliable feed system.

Stepfeeders are the next wave of technology that will allow faster, more flexible and quieter means of sorting and delivering a wider variety of fasteners, such as nuts, pins, and threaded studs to a hand held or fixtured installation tool. With up to 5000 parts per hour these systems are really fast. Optional controls and custom escapement design make these the clear choice. Limited moving parts means no wear on your fastener and low maintenance needs for the feeder.

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We can now accommodate most popular brands of DC Electric and Pneumatic tools on our spindles and hand pieces here in North America, which offers even greater flexibility and standardization within our customers facilities. Contact us for more info.