

Fastening Automation Handbook #2

Semiautomatic Assembly



More manufacturers are adopting automation to address labor shortages, improve productivity, and enhance worker safety; allowing companies to re-shore production and compete with low-cost labor overseas. Our four-volume eBrief guides manufacturers through the highlights of your automated fastening journey — from simple handheld auto-feed screwdrivers to robot cells and lights-out assembly.

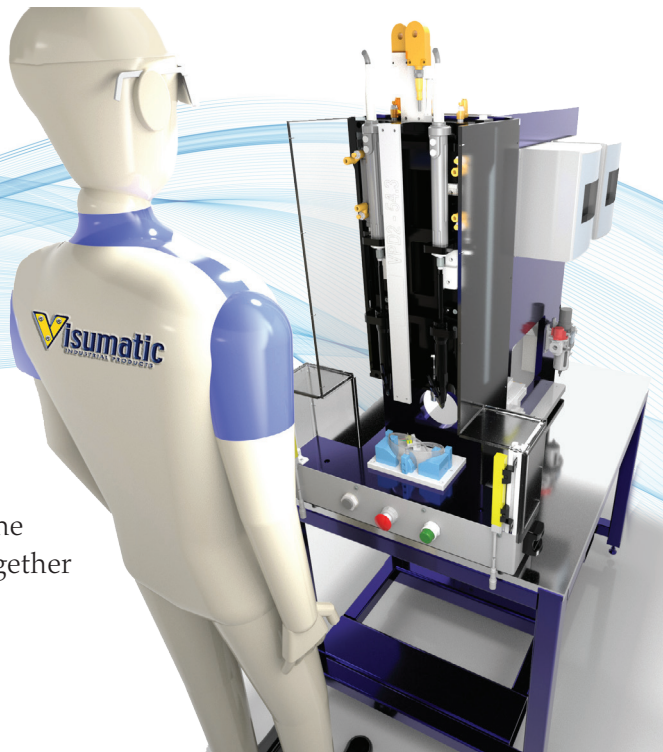
Level-Up Your Assembly with Tabletop Screwdriving

A tabletop screwdriving machine can handle automating basic assembly. When considering screw automation, one might logically assume that such machinery requires robotics to move screw insertion equipment in place sequentially. In fact, Visumatic equipment can be tailored to accommodate very tight spacing, even in semi-automatic installations.

Per customer workflow demands, Visumatic can provide a flexible [tabletop screwdriving](#) approach which can be moved anywhere on the factory floor. This can feature a two-spindle VPD power driver, tied together by a weldment and base plate. A separate feeder unit is connected to the spindle assembly by transfer tubing and cabling.

To use the device, an operator places a single part in the fixture, allowing the Visumatic screw fastening device to take care of feeding screws and driving to the specified torque. It features a straightforward control platform with a simple PLC and basic operator interface, and the modular design keeps the customer in control of their process flow.

A tabletop assembly machine is a very affordable option for high-volume, flexible assembly, which can be appropriate in many situations. As your partner in all aspects of automated joining, Visumatic can deliver improved fastening at every point of your automation journey.



Engineers leverage tabletop screwdriving to economically advance automation goals.

Ready for a deep dive? Check out our Fastening Assembly Process Evolution whitepaper series covering the full gamut of engineering considerations. In this series, we break down the nuanced technical aspects of each implementation phase to help kick start your automation projects. **Get the full analysis:** <https://www.visumatic.com/whitepapers/>

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About Visumatic

Visumatic is an independent, family-owned and operated fastening technology company located near Lexington, Kentucky USA.

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Real Applied Technology

Learn how Visumatic became a partner in success solving fastening challenges for a wide range of product manufacturers.

Read Case Studies

