

Improved Harness Assembly Productivity

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The result of a three-year cooperative development project with major wire harness fabricators, the Wire Harness Board Frame from BOSTONtec, Midland, MI, USA, is designed to help increase operator productivity and reduce workplace injuries.

"While many wire processing tasks are now highly automated, the method of dressing boards continues to be labor intensive," says **Rob Doucette**, BOSTONtec Applications Engineer. "Our Wire Harness Board Frame workstation moves the task to the operator reducing movement and increasing comfort."

The frame allows the operator to properly set a wire harness board quickly, then change position without removing work in process.

The deck adjusts easily from horizontal to vertical position as well as provides multiple tilting options. Horizontal setting provides operator access to the board from all sides.

The High Cost of Work-Related Injuries

OSHA estimates employers spend US\$20 billion a year on work-related musculoskeletal disorders caused by lifting heavy items, bending, reaching overhead, pushing and pulling loads, working in awkward body postures and performing the same or similar tasks repetitively.

The BOSTONtec height-adjustable frame raises or lowers at the touch of a button so the operator can work comfortably from a sitting or standing position. The unit has an electric or manual tilt mechanism to easily adjust the angle of the boards to multiple positions. This flexibility not only improves productivity and operator comfort, but companies also notice an increase in wiring accuracy.

Quality, Ergonomic Workstation Technology

BOSTONtec focuses on providing quality, ergonomic workstations and accessories that are designed to increase productivity and improve quality of work life. With more than 20 years of design and manufacturing experience, the company is a leader in modular workstations and customizable designs to meet the specific requirements of fulfillment, assembly, medical and other light-duty applications.



Standing horizontal position



Standing vertical position



Sitting tilt position

System Features

The Wire Harness Board Frame system features include the following:

- Space-saving compact footprint, 36" deep x 72" wide.
- Deck is 36" deep x 72" wide, expands to 48" deep x 72" wide.

- Supports boards up to 48" deep x 96" wide.
- Custom sizes available or multiple frames can be linked together to support extra long boards.
- 36" of vertical adjustability with the board positioned in either the horizontal or vertical position.
- 36" to 62" horizontal position height range.
- Manual tilt 0° to 90° in 10° stops.

- Electric tilt available.
- Self-contained linear actuator with integral limit switch, 24 VDC low-voltage control.
- Optional casters or lag plates.

To learn more about the Wire Harness Board Frame, email Rob Doucette at rob.doucette@bostontec.com or visit the BOSTONtec website below.

www.bostontec.com

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Company Profile

With more than 20 years of design and manufacturing experience, **BOSTONtec** is a leader in ergonomic, modular workstations and custom solutions. We focus on affordable yet customizable designs that increase productivity, ROI and employee safety and satisfaction. Established in 1993 as **Boston Technical Furniture**, our product line was developed based on ergonomics and product flexibility with an emphasis on sit-stand operation through electric height adjustability. BOSTONtec continues to grow and expand its offering to meet and exceed its customers' needs. The company maintains its commitment to providing ergonomic workstations that increase productivity and improve



quality of work life. The 170,000 ft² manufacturing facility utilizes advanced production techniques with focus on lean manufacturing and continuous improvement processes. All products are engineered and manufactured in the USA. www.bostontec.com