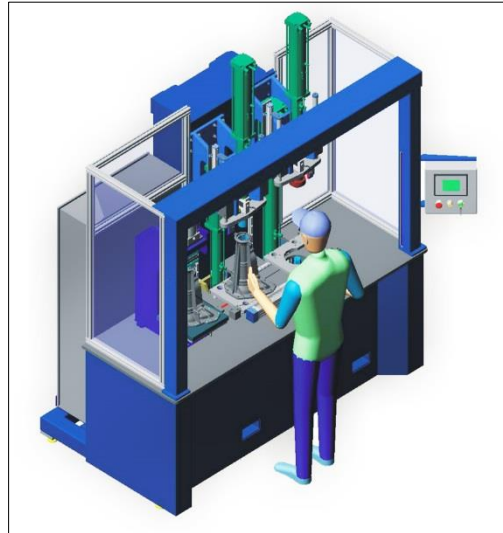


Bushing & Seal Presses



Location: Canada, USA
Project Value: \$200 to \$500 k
Turnaround Time: 8 to 24 Weeks

As an industry leading provider of innovative assembly and inspection solutions, at **IAT Global**, we are capable of manufacturing a number of bushing and seal presses used in the production of automotive transmission housings. These standalone assembly machines are capable of installing various types of bushings, seals, and retaining rings, including internal deep bore C-clips, with a cycle time as short as 10 seconds, while maintaining dimensional tolerances as tight as ± 0.01 mm. These systems not only produce significant labor savings, they improve operator ergonomics by eliminating a common source of repetitive motion injuries. Integrating in-process testing and inspection methods including depth monitoring, air gage bore checks, and force vs. distance curve analysis, can be used to ensure that the components are assembled properly while further reducing labor costs.

The overall machine dimensions typically measure 2 m by 2 m square and have a project value between \$200,000 and \$500,000. Depending on the scope of the project, bushing and seal assembly systems can typically be designed and manufactured in 8 to 24 weeks. Each system is customized to fit the needs of the specific application and can include as much or as little automation as desired. For more specialized applications, we can combine our standalone systems with fully integrated work cells or multi-station manufacturing systems. Only the highest quality robotics, motors, and gauging systems are used to produce our custom manufacturing solutions. For additional information about the custom assembly equipment project, contact us directly at info@iatglobalmfg.com.