

# Progressive Tooling Developed in India

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Dependence on external suppliers for crucial components can introduce vulnerabilities, hindering a company's ability to adapt and optimize its operations.

CASE STUDY | 2024

This case study examines the transformative journey of ENCO. By strategically developing its in-house progressive tooling capabilities, ENCO overcame these limitations, achieving a streamlined production process, significant cost reductions, enhanced product quality, and ultimately, a fortified competitive position within the industry.

 ENCO

[www.enco.in](http://www.enco.in)

[www.youtube.com/@enco-engineers-combine](https://www.youtube.com/@enco-engineers-combine)

**Challenge:** ENCO, a leading manufacturer of automotive parts, was experiencing limitations with its production process due to reliance on imported progressive tooling. This resulted in:

- **Lower Productivity:** The imported tooling couldn't meet the growing production demands.
- **Higher Cost:** Dependence on imports significantly increased overall production costs.
- **Lower Quality:** Inconsistency in imported tooling impacted product quality.

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### Solution:

To overcome these challenges, ENCO embarked on an initiative to develop its own progressive tooling capabilities in-house. This involved:

- **Acquiring Knowledge:** A single set of progressive tooling was strategically imported for thorough study and analysis. This provided valuable insights into design, functionality, and manufacturing processes.
- **Building Expertise:** Leveraging the acquired knowledge, the company invested in training its skilled workforce and engineers in the intricacies of progressive tooling design and development.
- **Domestic Production:** With the expertise gained, ENCO successfully established in-house progressive tooling production capabilities. This enabled the company to manufacture tools specifically tailored to its production needs and product specifications.

### Results:

The transition to in-house progressive tooling development has yielded significant benefits, including:

- **Increased Productivity:** Streamlined production processes and efficient tooling have resulted in a notable rise in production output.
- **Reduced Costs:** Elimination of import costs and streamlined production have led to substantial cost savings. To date, the company has saved approximately ₹1.2 Crore.
- **Enhanced Quality:** In-house production allows for greater control over quality management, leading to improved product consistency.