

The background is a dark, textured collage. It features various mechanical components like bolts, nuts, and gears in shades of grey and black. In the bottom left corner, there is a prominent 3D mesh structure, possibly a filter or a part of a machine, rendered in a light grey color. The overall aesthetic is industrial and technological.

CASTOR

Manufacturers' Gateway
to 3D Printing

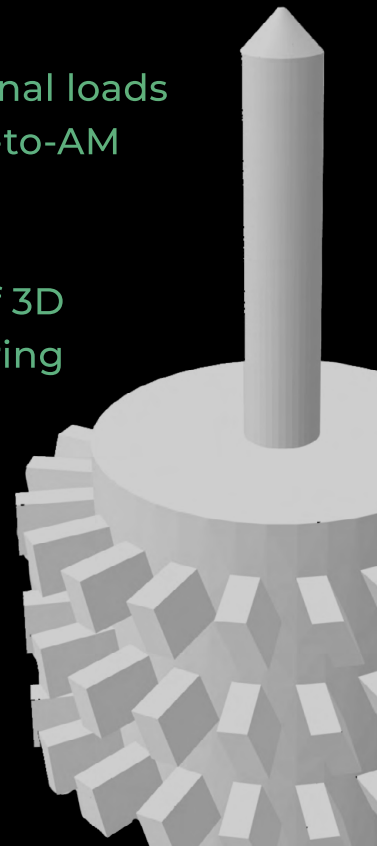
Enabling manufacturers to automatically reduce costs, utilizing the benefits of industrial 3D printing.

Manufacturers trust CASTOR to accelerate the process of identifying opportunities for using industrial 3D printing.

CASTOR's proprietary software automatically screens and analyzes thousands of CAD files at once.

The advanced capabilities of CASTOR rest on four pillars:

- **Material Properties Analysis:** Comparing the 3D printed parts' mechanical properties to traditional manufacturing material properties.
- **Geometry Limitations Analysis:** Checking whether each feature within the part stands in the manufacturability limitations of 3D Printing.
- **Stress Analysis:** Considering external loads acting upon parts, using a unique-to-AM Finite Elements Analysis.
- **Cost Analysis:** Measure the costs of 3D printing vs. traditional manufacturing methods.



CASTOR's unique value proposition offers advanced capabilities:

Automatic analysis of a large number of parts and assemblies

providing technical and economic analysis on a part-by-part basis.

Parts consolidation

Combining multiple adjacent parts into a single part.

Identifying weight reduction opportunities

Highlighting cases where it is possible to reduce extra material waste of bulky parts, and providing a lighter part for download.

Unique finite elements analysis

Quick assessment of a 3D printed part's likelihood of failure due to external forces acting upon it.

On-Premise, ERP & PLM Integrations

Installed directly to the customer's computer/server, integrates seamlessly to ERP/PLM software, on demand.

Value chain benefits

Providing information on top-line savings and creating tools to make strategic-level decisions.

ROI calculations

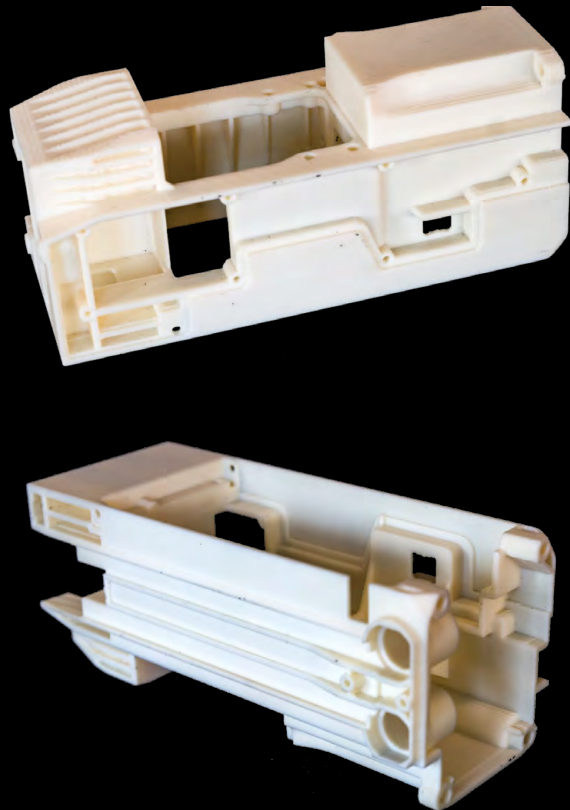
Based on the user's analyzed parts, providing ROI calculations for purchasing specific printers.

Full customization

Customized cost estimation, material properties sensitivity, in-house printing capabilities, and more.



ITS, a contract manufacturer, **saved 33%** of part's cost and at least one iteration of design for injection molding process, using CASTOR.

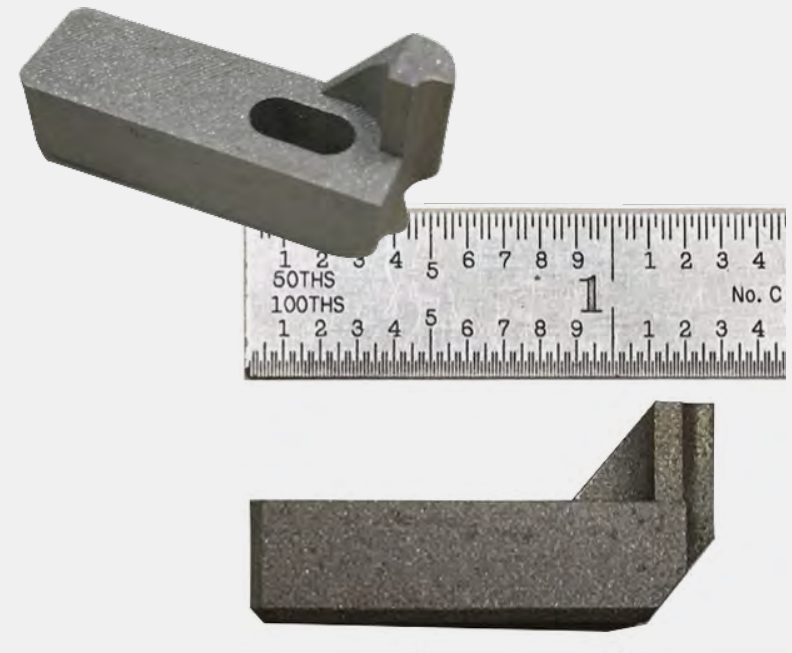


CASTOR

STANLEY

Using CASTOR, Stanley Engineered Fastening were able to implement the first 3D printed metal part.

Resulting in 50% cost reduction and 8 weeks lead time saving.



Our products include:

CASTOR Light

For New AM Adopters

Finding the “low hanging fruits” suitable for 3D printing, out of existing designs

Explore

- ✓ Cloud-based solution
 - ✓ Automatic screening of thousands assemblies and parts at once
 - ✓ Technical analysis of CAD files based on:
 - Geometry limitations
 - Matching material properties
 - ✓ Financial analysis of break even point of 3D printing vs: CNC & Injection Molding
- Automatic screening of thousands assemblies and parts at once

CASTOR Enterprise

For AM Experts

Identifying cost reduction and re-design for AM opportunities

Explore

CASTOR Light features plus:

- ✓ On Premise Solution
- ✓ Unique Finite Element Analysis for AM
- ✓ Consolidation of adjacent parts
- ✓ Advanced Weight Reduction analysis
- ✓ Value chain benefits
- ✓ ERP & PLM software integration-ready
- ✓ Full customization of cost calculation structure
- ✓ ROI Calculations for 3D printers

CASTOR White Label

For AM Vendors

Enhancing AM businesses with a tailor made platform for boosting sales

Explore

CASTOR Light features plus:

- ✓ Fully branded
- ✓ Customized materials and printers database according to desired potfolio
- ✓ Lead generation tool

* Additional Features are available upon demand

We believe 3D printing is a driver of profitability.

Contact us
info@3dcastor.com

Schedule a Demo

