



Exactaform & Cutting Tools Inc.

**Boost milling performance  
by 30% for Precision Part  
Manufacturer**



# The breakdown



## The Customer

OEM and Tier 1 Precision  
Part Manufacturer



## The Challenge

Improve part quality and tolerances,  
as well as tool price and delivery.



## The Part

Cast aluminium boring and milling  
in automotive application.



## The Conclusion

Cost-per-part and cycle times were  
reduced significantly through an  
engineered solution with custom  
tools and faster delivery.



# Who are Cutting Tools Inc.?

Cutting Tools Inc. have over 50 years of experience distributing tools and machine solutions for the automotive, aerospace, defence, energy, and medical sectors.

They work with Exactaform to provide business partnerships that lower costs while boosting profits, productivity, and delivery time. They're truly engineering-driven: Their engineers solve problems and put customer success at the forefront of their service.

## What do they specialise in?

Cutting Tools Inc. create customised solutions for any machining need or challenge, including:

- Turn-key tool setup
- CNC programming
- Coolant management
- Engineering consultancy
- Reconditioning & Repair
- MRO
- Inventory management

 **CUTTING TOOLS INC.**

# What challenge did we solve?

## Machining Issues:

Part quality, finish quality, chatter, burrs, holding size, and parts within specifications.

## Logistical Issues:

Price and delivery.

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The tier 1 approved automotive subcontractor approached Exactaform and Cutting Tools Inc. to improve the quality of their existing CNC machined aluminium parts.

Here, our experts developed a **custom and bespoke** solution to solve the customer's face-milling challenges. Strong communication, dedication and technical expertise were needed to tackle the specific issues and deliver for the customer.



Exactaform work with Cutting Tools Inc. to solve various critical issues at the spindle for our customers. These normally encompass part quality and delivery times, which are the keys to success in the automotive sector.

We often encounter occasions where these precision part manufacturers battle major issues for weeks. However, when they put our Exactaform tool on the spindle, the first parts left the machine quickly and without faults.

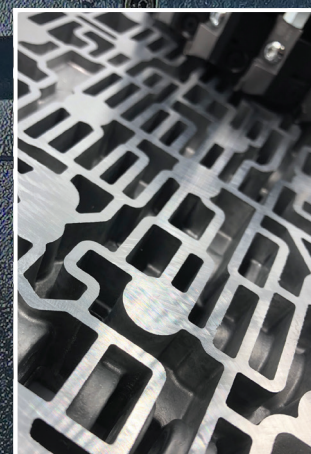
 **CUTTING TOOLS INC.**

# How did our services help?

Exactaform's services were passed through a single point of contact, ensuring the customer was always prioritised, listened to, understood, and involved in the development process.

To this end, **solving problems first** was our approach, rather than focusing on a product.

- Added value, stronger delivery, and reduced process costs.
- Holistic support to provide customer solutions that exceed just cutting tools, such as backends and spindle connection, balance, and tool set-up - all adjusted for machine type and condition.
- A tailored approach to solving unique machining challenges.
- Always available to work with the supplier to solve problems and provide an engineered solution.
- On-site product implementation and testing to help the customer see our results.
- Engineering know-how to support the product in ways other suppliers don't match.



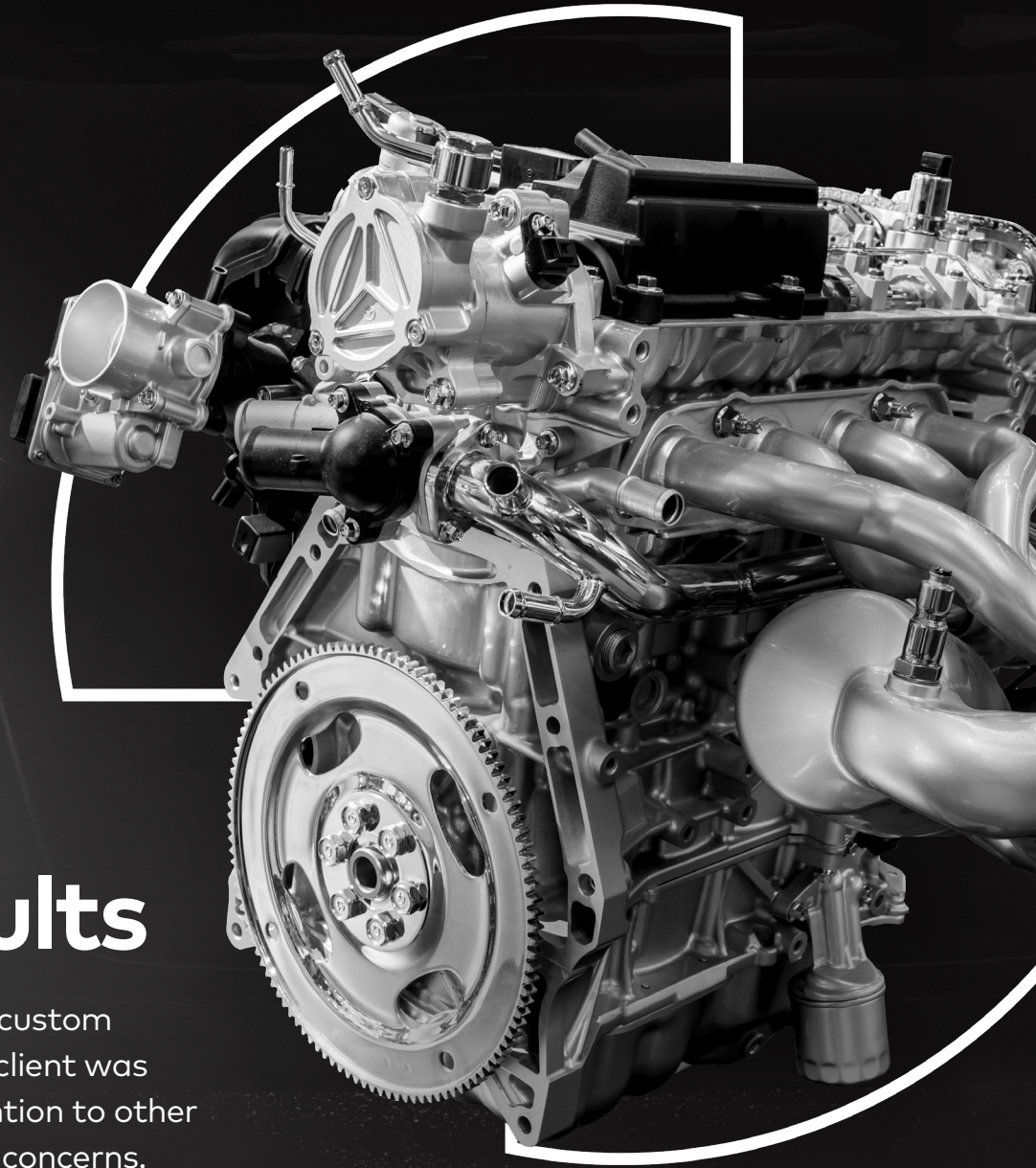
"Our facility and capacity, combined with an experienced team, make Exactaform uniquely positioned to help precision part manufacturers and subcontractors.

The efficiency and quality improvements seen in this case study are the norm, not an exception. It's rare for us not to find significant process improvements when developing special tools for manufacturers like you."



**Jamie White**

Managing Director - Exactaform



# The Results

With high-performance custom tooling, the automotive client was able to divert their attention to other pressing manufacturing concerns. Staff are now also more efficient, too.



**30% stronger milling performance and productivity across the board.**



**Chatter marks were removed, which also benefitted the cutter with improved tool life.**



**Parts produced within spec and consistently passing quality conformance.**



**Burr-free right off the machine, removing post-processing activity.**



**Drastically improved surface finish.**



**Consistent and agile lead times.**



# Why should you choose Exaktaform?

## The right tool for the job

We'll provide you with the exact tool, for the exact material, requirement and application, every single time.

## Agile and competitive lead times

We reserve capacity, allowing us to be agile with our production to prioritise your delivery when you need it.

## Increased tool performance

Our custom PCD and carbide-cutting tools deliver unrivalled repeatability and reliability.

## Cut through complication

We never complicate, and pride ourselves on delivering superbly simple service that few can replicate.

[Contact us today](#)