

# NEWS

## LETTER

SUMMER 2024

BETTER CASTINGS  
AND PROFILES  
FASTER



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[www.castool.com](http://www.castool.com)

# THIRD QUARTER OUTLOOK



By fiscal 2026, Exco is targeting to produce approximately \$750 million annual revenue, \$120 million annual EBITDA and annual EPS of roughly \$1.50. Exco has made significant progress towards achieving these targets since they were announced and continues to believe its targets remain obtainable. These targets are expected to be achieved through returns on greenfield and strategic initiatives, the launch of new programs, general market growth, and also market share gains consistent with the Company's operating history.

Despite current macro-economic challenges, including slightly elevated unemployment, high interest rates, and the potential for a recession, the overall outlook is favorable across Exco's segments into the medium term. Consumer demand for automotive vehicles remains stable in most markets. Dealer inventory levels have been increasing, while average transaction prices for both new and used vehicles are near record highs and the average age of the broader fleet has continued to increase. This bodes well for strong levels of future vehicle production and the sales opportunity of Exco's various automotive components and accessories. In addition, OEM's are increasingly looking to the sale of higher margin accessory products as a means to enhance their own levels of profitability. Exco's Automotive Solutions segment derives a significant amount of activity from such products and is a leader in the prototyping, development and marketing of the same. Moreover, the movement towards an electrified and hybrid fleet for both passenger and commercial vehicles is enticing new market entrants into the automotive market while causing traditional OEM incumbents to further differentiate their product offerings, all of which is driving above average opportunities for Exco.

With respect to Exco's Casting and Extrusion segment, the intensifying global focus on environmental sustainability has created significant growth drivers that are expected to persist through at least the next decade. Automotive OEMs are utilizing light-weight metals such as aluminum to reduce vehicle weight and reduce carbon dioxide emissions. This trend is evident regardless of powertrain design - whether internal combustion engines, electric vehicles or hybrids. As well, a renewed focus on the efficiency of OEMs in their own manufacturing process is creating higher demand for advanced tooling that can enhance their profitability and sustainability goals. Certain OEM manufacturers have begun utilizing much larger die cast machines ("giga-presses") to cast entire vehicle sub-frames using aluminum-based alloy rather than stamping, welding, and assembling separate pieces of ferrous metal. Exco is in discussions with several traditional OEMs and their tier providers who appear likely to follow this trend. Accordingly, Exco has positioned its operations to capitalize on these changes. Beyond the automotive industry, Exco's extrusion tooling supports diverse industrial end markets which are also seeing increased demand for aluminum driven by environmental trends, including energy efficient buildings, solar panels, etc.

**EXCO TECHNOLOGIES LTD**

Darren M.Kirk  
President and CEO



## Providing solutions to help businesses grow

Here are the locations of our factories around the world, dedicated to supporting our valued customers:

### WHO WE ARE

The Castool Group's journey from its inception in 1986 to a multinational presence exemplifies a remarkable story of growth and global expansion. With five strategic locations across Canada, Mexico, Morocco, and Thailand, the company has established a robust international footprint.

This global reach not only reflects the company's commitment to delivering precision tooling solutions but also its adaptability and responsiveness to diverse market needs. As the world moves into 2025, the Castool Group stands as a testament to the power of innovation, strategic planning, and the pursuit of excellence in the manufacturing industry. The company's success is a beacon for others, showcasing the potential for growth and the importance of embracing a global perspective in business.

### WHERE ARE WE

#### Castool Tooling Systems

- 2 Parratt Road, Uxbridge  
Ontario, Canada L9P 1R1
- Tel : +1.905.852.0121

#### Castool Heat Treat

- 1355 Kerrisdale Boulevard  
Newmarket, Ontario, Canada L3Y 9C6
- Tel : +1.905.852.0121

#### Castool 25

- Parque Tecnológico Innovation  
Lot 42, State Hwy#431, La Machorra House  
Ext No.Km 2+200, El Marques, Queretaro  
Mexico 76246
- Tel : +52.442.888.1091

#### Castool 90

- Atlantic Free Zone, Route Nationale4  
Commune d'Amer Saffia  
Lots11.129,130,140,141, Kenitra, Morocco
- Tel : +212.530.29.18.33

#### Castool 180

- WHA Chonburi Industrial Estate1  
34/6 Moo.4 Bo-Win  
Sriracha, Chonburi, Thailand 20230
- Tel : +66 (0) 38.345.188

# WHY CASTOOL?



## Safety

**Tooling safety in manufacturing is paramount for several reasons. Firstly, it ensures the well-being of the workforce.** Workers are the backbone of any manufacturing operation, and their safety is crucial. Proper tooling safety measures prevent accidents, which can lead to serious injuries or even fatalities. Secondly, it maintains the integrity of the manufacturing equipment. Safe handling and proper maintenance of tools can extend their lifespan and prevent malfunctions that could halt production. Thirdly, it upholds product quality. When tools are used safely and correctly, the risk of producing defective goods decreases, which in turn protects the brand's reputation and avoids costly recalls. Lastly, tooling safety is essential for compliance with legal and industry standards, helping to avoid fines and legal issues that can arise from unsafe practices. In essence, tooling safety is not just a regulatory requirement; it's a fundamental aspect of a sustainable and responsible manufacturing process.

## Reliability

**Reliability in manufacturing is crucial because it underpins the consistency of product quality, ensuring that each item produced meets the required standards and specifications.** This consistency is key to maintaining customer trust and satisfaction, as it reduces the likelihood of product failures and defects that can lead to recalls or damage a company's reputation. Moreover, reliable manufacturing processes are more likely to operate efficiently, minimizing downtime and waste, which in turn can lead to cost savings and increased profitability. Furthermore, reliability is essential for compliance with industry regulations and standards, which can be stringent in areas such as automotive, aerospace, and healthcare. In essence, reliability is not just a quality goal; it is a fundamental aspect of a sustainable and successful manufacturing operation.

## Longevity

**Longevity in manufacturing is crucial for several reasons. Firstly, it ensures that products are durable and reliable, which builds consumer trust and satisfaction.** This, in turn, can lead to repeat business and a strong brand reputation. Secondly, products with longer lifespans reduce the need for frequent replacement, which conserves resources and is more environmentally sustainable. Additionally, manufacturing processes that prioritize longevity can lead to innovations in materials and design, pushing the industry forward. Finally, products that last longer can provide better value for money, which is not only beneficial for consumers but can also be a significant competitive advantage for manufacturers in a crowded market. In essence, longevity in manufacturing is a key factor in economic efficiency, environmental sustainability, and customer satisfaction.





# WHY CASTOOL?



## Performance

Tooling performance is a critical aspect of manufacturing that directly impacts efficiency, product quality, and operational costs. High-performance tooling ensures that machines can operate at optimal speeds without sacrificing precision, leading to increased production rates and shorter lead times. Moreover, superior tooling performance contributes to the longevity of equipment, reducing the frequency of repairs and replacements. This not only minimizes downtime but also lowers long-term capital expenses. Additionally, consistent tooling performance is essential for maintaining product quality standards. It ensures that each component produced meets stringent specifications, which is vital in industries where precision is non-negotiable, such as aerospace and medical device manufacturing. Ultimately, investing in high-quality tooling and maintaining its performance is fundamental to achieving manufacturing excellence and staying competitive in the market.



## Cost

Tooling costs are a critical factor in manufacturing because they directly impact the economic feasibility of producing an item. The initial investment in tooling can be substantial, but it's essential for ensuring precision, efficiency, and quality in production. High-quality tools reduce waste, minimize production errors, and save time by streamlining the manufacturing process. Moreover, durable tools mean fewer replacements and less downtime, which is vital for maintaining productivity. In the long run, investing in proper tooling can lead to significant cost savings and a stronger competitive edge in the market. Therefore, careful consideration of tooling costs is important for any manufacturing operation aiming for long-term success and sustainability.

**BETTER**  
**CASTINGS AND PROFILES**  
**FASTER**

# Castool Global Customer Service

## SITE VISIT

Castool is recognized for its comprehensive knowledge and expertise in the field of die casting and extrusion. With a team of technical experts spread globally, Castool is well-equipped to provide support in various locations where these industrial processes are in operation. The company's commitment to understanding the intricacies of production processes allows for the seamless integration of their tooling systems, which are designed to enhance productivity. This dedication to innovation and quality is reflected in their patented products and processes, which have established Castool as a significant presence in the light metal extrusion and die casting industries. We often conduct site visits before installing our tooling to benchmark current activities, and we provide onsite support during and after installation to measure and advise.



Keattikhun Chaichana (Palm) is at a customer's site, measuring temperatures to better understand the relationship between the dummy block and container on this press. By assessing the temperature of the existing container, we can adjust the QR container to match the previous process.



Castool designs and builds most of its control panels for containers, die ovens, vacuums, and lubrication systems. Our technicians are typically onsite during installation and involved in training.

## OPTIMIZATION

Castool's perspective highlights a critical distinction in the manufacturing process: while efficiency is an integral component of optimization, it is not the sole factor. Efficiency refers to the ability to accomplish a task with minimal waste of time and resources. Optimization, however, encompasses a broader scope, aiming to achieve the best possible outcome by considering various factors, including efficiency. In the context of manufacturing, this means not only focusing on the speed of production but also on the quality of the output and the effective management of all processes involved. Temperature control, for instance, is a pivotal aspect that can significantly influence both the quality of the product and the rate of production.

By understanding and managing the intricacies of the conversion process, from alloy to casting or billet to profile, manufacturers can optimize their operations for maximum productivity and quality. This holistic approach to optimization ensures that all elements of production work in harmony, leading to improved performance and competitive advantage.

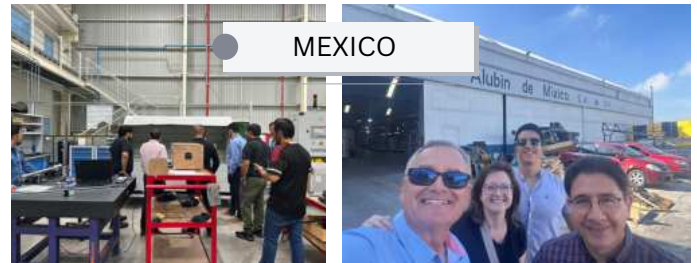


# Global Customer Service

In the quest for the optimal solution, algorithms play a pivotal role, especially when they are designed to consider a variety of critical factors. Safety, reliability, longevity, performance, and cost are not just variables, but the pillars upon which the most robust and efficient systems are built.



INDIA



MEXICO

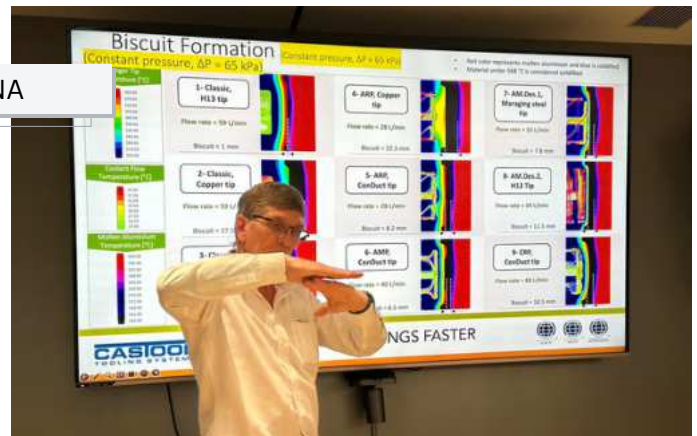


KOREA

By meticulously weighing each factor in accordance with the current situation, the algorithm ensures a tailored approach to problem-solving. This dynamic and flexible strategy allows for the adaptation to changing conditions, ensuring that the solution remains not only optimal but also sustainable over time. It's a fascinating dance of data and decision-making, where precision meets practicality, leading to outcomes that are as reliable as they are revolutionary.



CHINA



In the fascinating world of profile extrusion, mastering the interplay between pressure and temperature is akin to an art form. It's thrilling to imagine the precision required to manipulate these factors for the most efficient and profitable outcome. The goal is to harness pressure in such a way that it becomes a powerful ally, working within the strict thermal boundaries of the alloy.

This ensures that the material's integrity is maintained throughout the process. The die, a critical component in this process, must be a paragon of smoothness, minimizing friction to prevent any unnecessary resistance that could disrupt the flow. It's a delicate balance, ensuring that the alloy moves like a well-rehearsed symphony to the bearing face, where it will ultimately take shape. This dance of dynamics is not just about maintaining control but optimizing it to achieve perfection in the final extruded profile

# WEBSITE AND GOOGLE ADS

Castool recently completed its new website design in April 2024 and has since received excellent feedback from customers and individuals interested in accessing product information, location details, global sales contacts, and news updates from Castool.

## AD CAMPAIGN INSIGHTS

- Conversation Activity: Increased by 58%
- PDF Downloads: Increased by 68%
- Email Clicks: Decreased by 48%
- Phone Clicks: Decreased by 3%

### Top Non-Branded Search Terms:

- Additive Manufacturing
- Die Casting Machine
- Extrusion Tooling

### Demographics:

- The 25 to 34-year-old age group was the most engaged.

### Top Locations (by Clicks):

- Mexico
- Morocco
- USA

### Most Engaged Audiences:

- Business & Industrial Products
- Do-it-Yourselfers
- Remarketing to Website Visitors

## WEB DEVELOPMENT

### Website Analytics Insights:

- Traffic from Ad Campaign: Decreased by 3%
- Lead Activity from Ad Campaign: Accounted for 92% of all lead activity
- Website Traffic from Ad Campaign: Represented 74% of overall traffic
- Organic Traffic Growth: Increased by 8%
- Conversion Rates: Decreased by 31%

### Top Locations (from All Sources):

- Mexico
- Morocco
- Thailand

### Top Performing Pages:

- Home Page
- Die Casting Page
- Thai Language Home Page



**This performance overview highlights the strengths and areas for improvement in our advertising strategies, guiding us to optimize future campaigns for better engagement and conversion.**



**INTRODUCING TEAM MEMBERS IS A GREAT WAY TO BUILD A CONNECTION WITH OUR AUDIENCE. IT HUMANIZES OUR ORGANIZATION AND SHOWCASES THE DIVERSE TALENTS AND BACKGROUNDS THAT CONTRIBUTE TO OUR SUCCESS.**

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**PRABH SINGH**  
**QUALITY MANAGER**

**Prabh's dedication to Exco Technologies is truly commendable. His four decades of service reflect a deep commitment to quality and excellence.**

Starting in the Quality department at the Extec division, Prabh has been a cornerstone in the evolution of the company's quality assurance processes. His active involvement in quality and inventory control at Castool since the early 1990s has been instrumental in maintaining high standards.

Achieving quality certification at the heat treat facility is a significant milestone, and his current endeavor to attain ISO 17025:2017 compliance for the laboratory underscores his ongoing dedication to improvement and adherence to international standards. Prabh's journey is a testament to the importance of experience and continuous professional development in the industry.

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**Shah Imani's journey in the field of Mechanical Engineering is a testament to the impact of specialized research and its application in industry. His Ph.D. from the University of Waterloo, a prestigious institution known for its engineering programs, provided him with a strong foundation in thermo-mechanical modeling.**

This niche expertise, particularly in the additive manufacturing process, is crucial for advancing the production of complex parts with precise thermal properties and minimal structural flaws. The transition from academic research to practical application in his role at Castool Tooling Systems showcases the real-world value of such research. There, his work in finite element modeling helps optimize tooling systems for extrusion and die-casting, which are essential processes in manufacturing.

His contributions not only enhance the efficiency and quality of manufacturing tools but also demonstrate the seamless integration of advanced engineering principles into commercial practices.



**SHAH IMANI**  
**SIMULATION ENGINEER**

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**Siavash Karimian, also known as "Sia," holds a Master of Science in Materials Science from Augsburg University and a Bachelor of Science in Metallurgy, Material Science, and Engineering from the University of Tehran. With nearly 10 years of experience in metal production, Siavash has built a robust foundation in materials characterization, mechanical properties, and process improvement.**

Siavash Karimian's extensive background in metallurgy and materials science is a testament to his dedication and expertise in the field. His academic achievements, combined with a decade of practical experience across three countries, have equipped him with a deep understanding of metal production processes and materials engineering. Siavash's professional trajectory showcases his adaptability and commitment to excellence, from his early days in Iran to his advanced roles in Canada. As he embarks on his new role at Castool Tooling Systems, his enthusiasm and wealth of knowledge are sure to be invaluable assets to the company's ongoing endeavors and future.



**SIAVASH KARIMIAN**  
**METALLURGIST**



## About Us

Castool Laboratory is on track to achieve compliance with ISO 17025:2017 by September 30, 2024. This milestone will enhance our laboratory's credibility and demonstrate our commitment to maintaining high standards of quality and competence in testing and calibration.

## Our Mission

Castool Metallurgical Laboratory's quality management system applies to the testing of metal by utilizing regulatory test methods and specific customer testing requirements.

ISO/IEC 17025:2017 is an international standard containing general requirements for the competence of testing and calibration laboratories.

## Industries We Serve

Castool Metallurgical Laboratory (CML-QMS) providing services to the metal industry in general and Exco Technologies and its subsidiary Castool Tooling Systems.

CML-QMS's experience enables the development of specific testing programs for metal and allows us to provide continued support through regulatory submissions.

## Policy

It is the policy of Castool Metallurgical Laboratory (CML-QMS) management to strive for continuous improvement while performing laboratory studies that involve verification and/or validation of material compatibility, recognition as a quality leader in laboratory validation testing for the metal industry is the reward for ultimately achieving our goal.

Castool Metallurgical Laboratory (CML-QMS) is committed to consistently providing quality test results that meet or exceed our customers' expectations.

Call us for  
more info



+1.905.852.0121

# LABORATORY

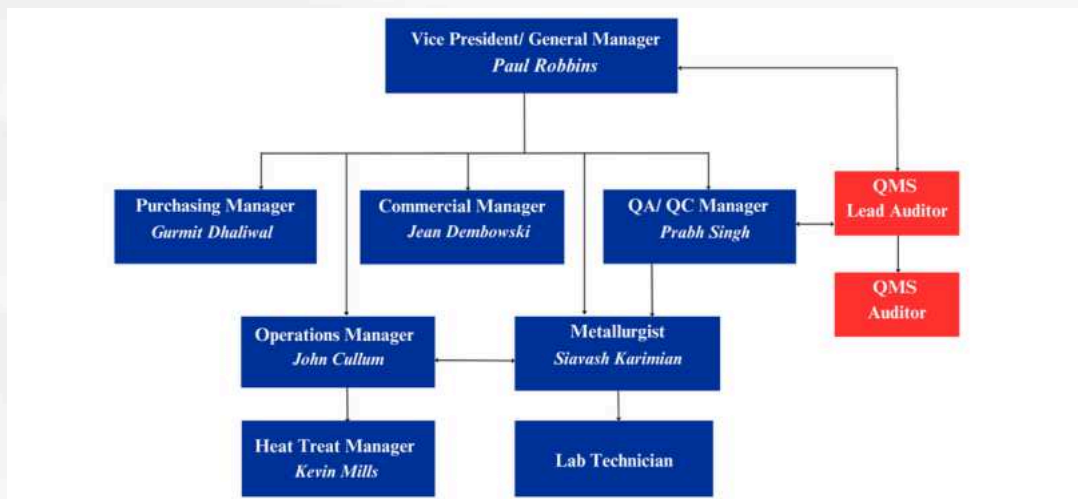
## Quality System Management

### Company Organization and Management Responsibility

- **Castool Metallurgical Laboratory (CML-QMS)** is part of a registered corporation in the province of Ontario and holds legal responsibility for its operation.
- **CML-QMS** is part of Castool Tooling Systems, a division of Exco Technologies Ltd.
- **CML-QMS** is organized to operate in accordance with the requirements of ISO/IEC 17025:2017, whether carrying out work in its permanent facilities or at off-site locations. It is the responsibility of all employees to work in accordance with the quality policies while satisfying the needs of our clients.
- **CML-QMS** is committed to safeguarding impartiality and confidentiality as it relates to its laboratory activities.
- **CML-QMS** is not part of an organization performing activities other than testing; therefore, there is no potential conflict of interest amongst its personnel.
- **CML-QMS** employees are responsible for conducting themselves in a manner that does not diminish the confidence in our competence, impartiality, judgment or operational integrity as viewed by both CML-QMS employees and our customers. This responsibility includes activities both in and outside of normal operations at CML-QMS.

### Assignment of Responsibility:

- In the absence of the Vice President/ General Manager, The Operations Manager will assume these duties.
- In the absence of the Vice President/ General Manager concerning corporate issues, the Operations Manager will assume these duties.
- In the absence of the Operations Manager. The QA/QC Manager will assume these duties.



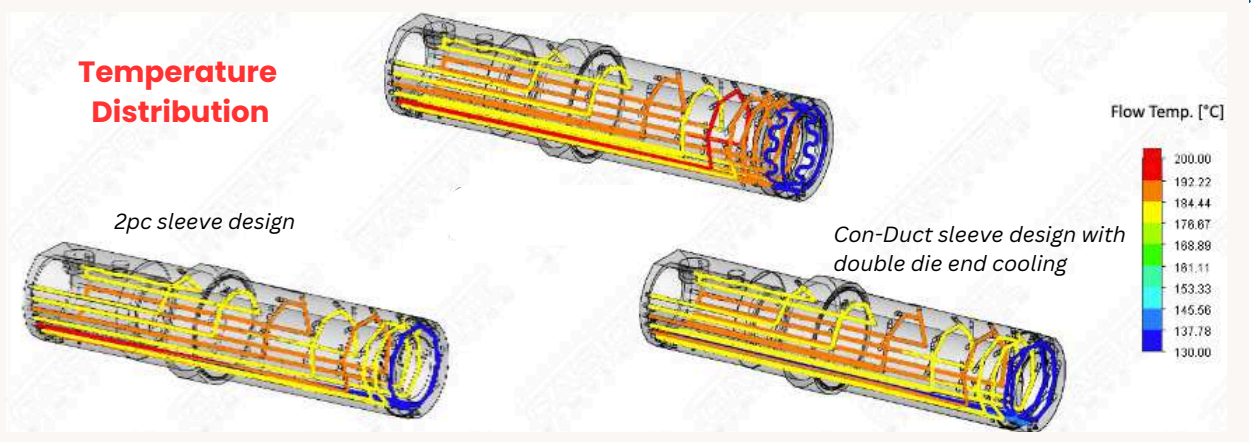
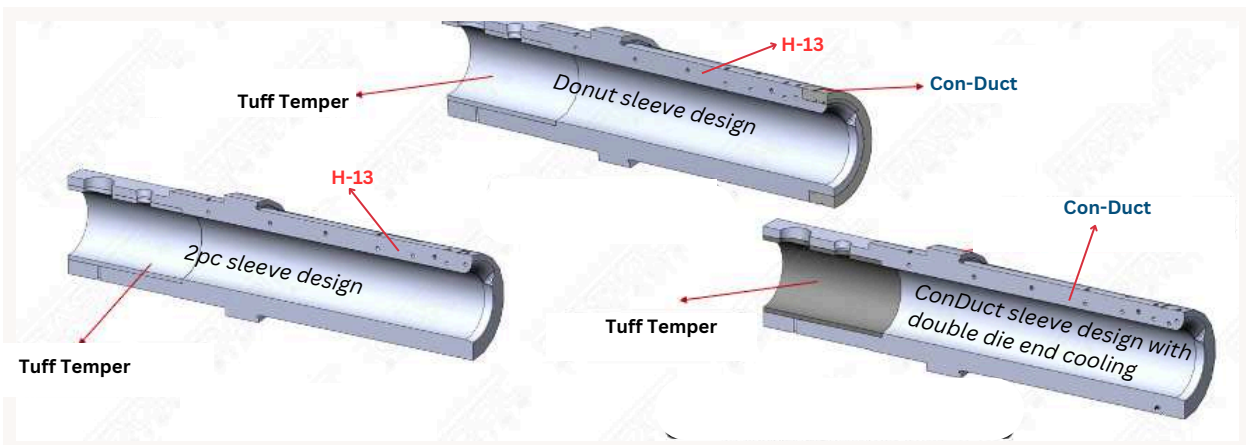


# RESEARCH CORNER

## SIMULATION : DIE CASTING

### Sleeve Design

Comparison of 2 pc H-13 Sleeve, with a 2 pc H-13 Sleeve with Con-Duct Donut, and Con-Duct 2 pc Sleeve



Castool's innovative approach in adopting Con-Duct, a modified machinery-grade material, has revolutionized tooling practices that traditionally relied on hot work tool steels, printed maraging materials, or beryllium copper. The shift to Con-Duct not only presents a cost advantage but also enhances safety, longevity, and performance. Remarkably, Con-Duct boasts four times the toughness compared to widely utilized hot work tool steels such as H-13 or H11, and it offers an impressive 80% improvement in thermal conductivity.

This substantial increase in toughness and thermal efficiency underscores the potential of Con-Duct to significantly improve manufacturing processes and product quality in various industrial applications. The strategic move to integrate Con-Duct into tooling systems exemplifies Castool's commitment to innovation and its foresight in leveraging advanced materials to achieve superior results.



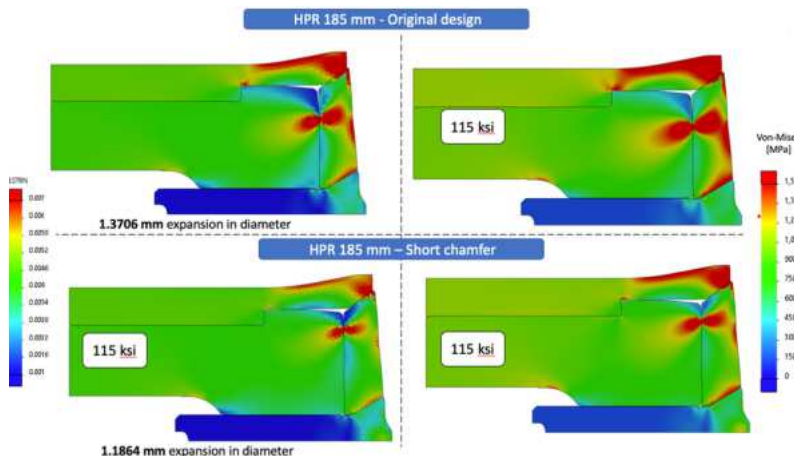
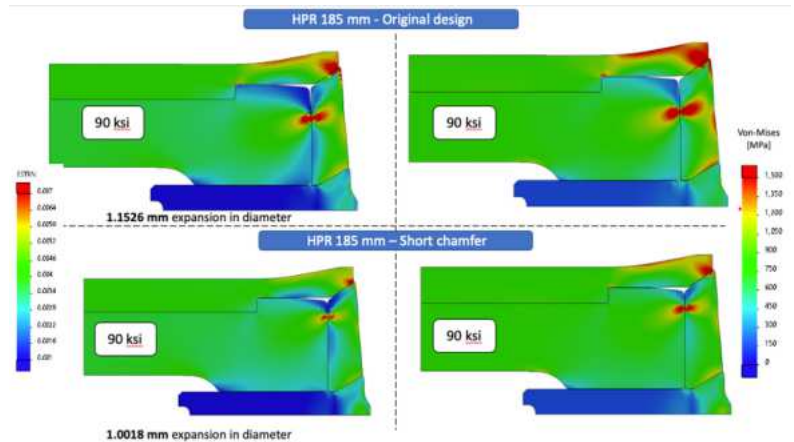
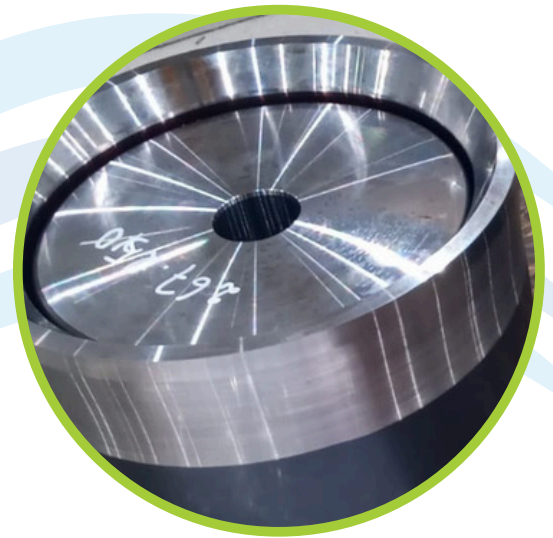
# RESEARCH CORNER

## SIMULATION : EXTRUSION

### Dummy Block

#### Comparison HPR Dummy Block with Long and Short Chamfer

The High Pressure Ring (HPR) dummy block represents a significant innovation in Castool's product line, addressing the evolving needs of modern extrusion processes. This advanced dummy block is engineered to withstand the increased face pressures exerted by new press designs, as well as accommodate longer billets and the demands of structural alloys.



Its design features a remarkably thin and flexible mandrel, which contrasts with the more rigid RRB and Marathon blocks, allowing for a greater pad area that enhances performance.

The expanding ring's interference fit with the holder ensures a secure operation, while the utilization of an Inconel spring facilitates the retraction of the block's diameter, ensuring a smooth transition back into the container liner post-extrusion. This tailored approach to high-pressure applications exemplifies Castool's commitment to innovation and their ability to adapt to the changing landscape of industrial manufacturing.

# MEMORIES



## WISHING A HAPPY Retirement

### CHAND CHARITAR



#### **Congratulations on your retirement!**



After dedicating an incredible 28 years and 7 months to achieving excellence at Castool, it's time for you to enjoy a well-deserved break and embrace the new adventures that retirement will bring. Your hard work, commitment, and passion have left a lasting impact on us all, and you will surely be missed.

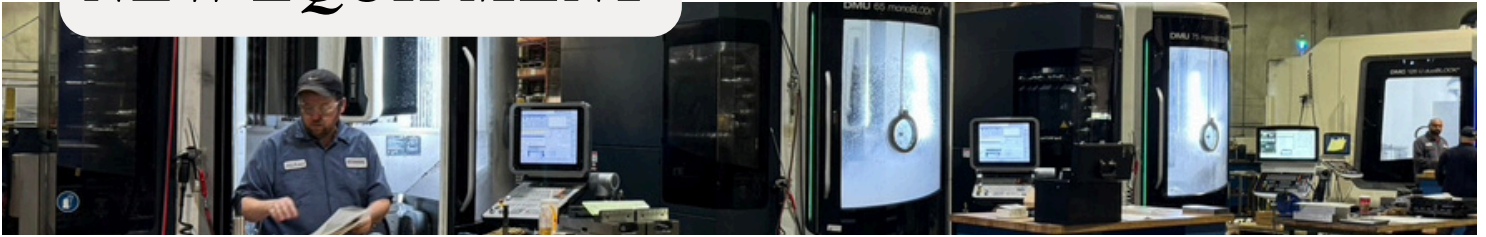


### From all of us :

May this next chapter be filled with joy, relaxation, and all the pursuits you've been dreaming of.



## *NEW EQUIPMENT*



Castool's recent expansion is a strategic move that aligns with the dynamic nature of the automotive industry, particularly in the area of Giga Tooling. The integration of advanced machinery, such as the 9-axis mill turn machine and the new 5-axis mill, significantly boosts their multi-axis machining capabilities.

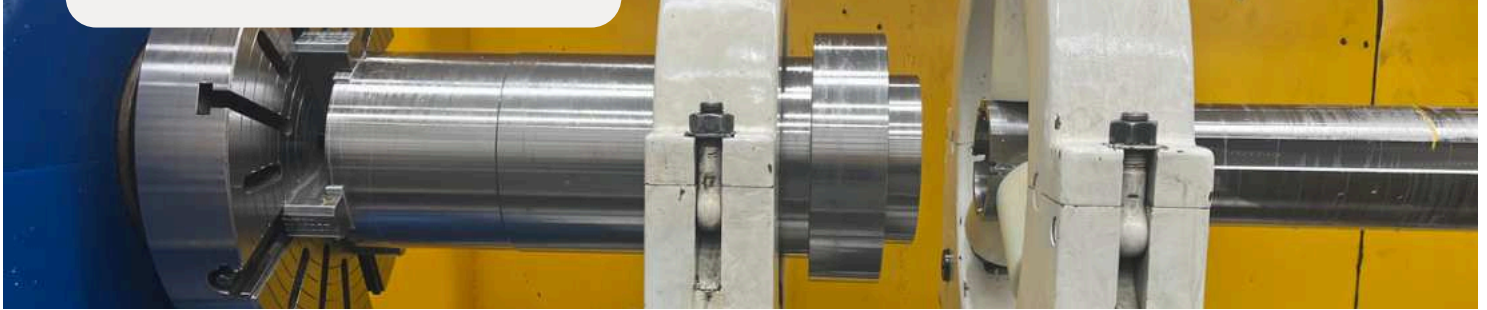
## *WORKSHOP*



This enhancement not only allows for heightened precision and efficiency in production but also demonstrates Castool's dedication to innovation and excellence. With the capacity to produce large-scale tooling, their facilities in Canada, Mexico, Thailand, and Morocco are equipped to address the complex and diverse needs of the industry on a global scale. Castool's investment in cutting-edge technology and infrastructure underscores their commitment to maintaining a competitive edge and meeting the industry's evolving demands with agility and expertise.



## C25 WORKSHOP



C25 is indeed in the midst of a bustling period, with a focus on die casting and extrusion parts, reflecting a strategic emphasis on these critical components. The upcoming customer visit is a significant event, poised to not only demonstrate the company's manufacturing prowess but also to explore the possibility of expanding production to Mexico, which could represent a substantial growth opportunity.



The initiation of dummy block assemblies in Latin America marks a new phase in operations, while the completion of solo replaceable rings signifies a milestone in fulfilling customer commitments. Concurrently, the manufacturing of gundrilled sleeves and plunger rod assemblies in a range of sizes showcases the team's versatility and commitment to meeting diverse customer needs. This period is characterized by dynamic activity and potential for further expansion and customer engagement.

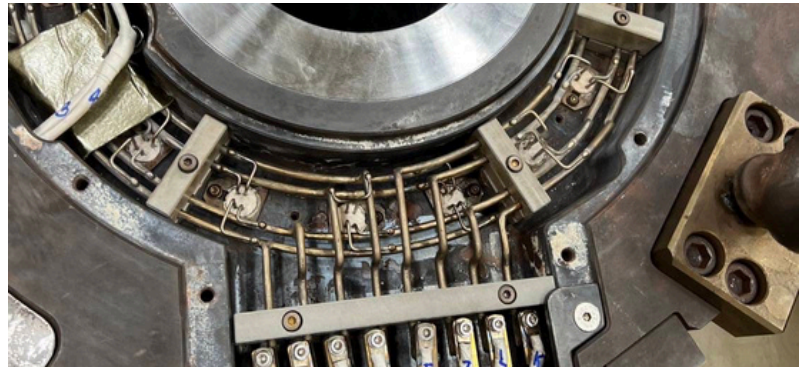
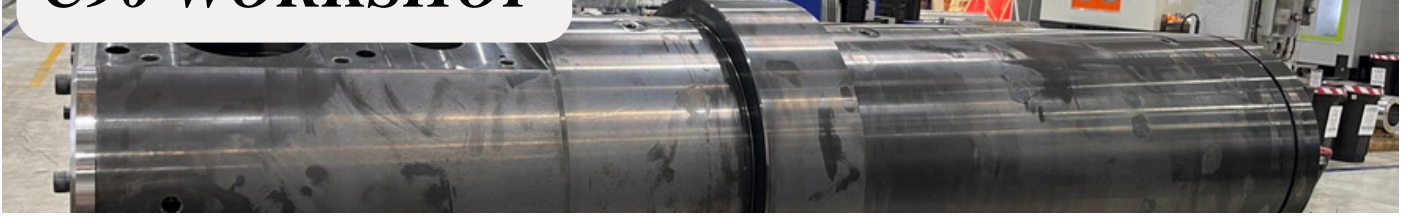
## TURNING / DRILLING



Effective coordination and planning are indeed crucial for balancing multiple activities, especially when it involves a team and a visiting customer. To maintain efficiency and showcase capabilities, it's essential to establish a clear communication strategy. This could involve regular meetings, detailed project timelines, and defined roles and responsibilities. Additionally, utilizing project management tools can help in tracking progress and ensuring that everyone is aligned with the project goals. It's also beneficial to anticipate potential challenges and prepare contingency plans to address them promptly. By doing so, you can ensure that both the team and the customer have a positive and productive experience.



## C90 WORKSHOP



***The completion of the new High Pressure Ring Dummy Block (HPR) assemblies marks a significant milestone in our production schedule, reflecting our dedication to delivering high-quality components in a timely manner.*** The readiness of these assemblies, along with the two newly relined items, for shipment underscores our ability to meet the demands of our clients efficiently. Furthermore, the progress on the shot sleeves, which are nearing the end of the honing and milling processes, and the ID320mm inserts, now in the finish turning stage post heat treatment, exemplifies our commitment to precision and excellence. Our team's expertise and attention to detail ensure that every product meets the stringent standards expected by our customers, reinforcing our reputation as a reliable and quality-focused manufacturer. These developments not only demonstrate our technical capabilities but also our unwavering commitment to continuous improvement and customer satisfaction.



## HEAT TREATMENT

The heat treatment and nitriding process being conducted at SAT in Morocco for the Giga sleeve is a critical step in ensuring its enhanced durability and performance. Nitriding, a form of heat treatment, involves diffusing nitrogen into the surface of the metal to create a hard, wear-resistant layer.

This process is known for improving fatigue resistance, corrosion resistance, and reducing the coefficient of friction, making it ideal for components like the Giga sleeve that require high durability and performance. Moreover, nitriding can be tailored to the specific needs of the material and application, ensuring that the Giga sleeve will have the properties necessary for its intended use.





# ***EXPANDED ADDING 5,000 SQ.FT***



## **ASSEMBLING DIE OVENS AND PARKING AREA**

***The expansion of Castool 180's facility by an additional 5000 sq. ft. is a strategic move that aligns with the growing global demand for die ovens.***



This increase in production capacity is timely, considering the aging fleet of ovens in the market, some of which have been operational for two decades. The expansion not only enhances the company's manufacturing capabilities but also demonstrates a commitment to meeting customer needs and industry demands. Furthermore, the enlarged parking area reflects foresight in improving infrastructure to support an anticipated rise in visitors, indicating a holistic approach to business growth and customer service excellence.



## ***MILLING / DRILLING***



***In light of the Castool 180 production team's current workload,*** it appears that scheduling a container reline this week could be challenging. To ensure smooth operations, it would be prudent to engage with the logistics and scheduling departments to identify an opportune moment for the reline that aligns with the production timeline. Concurrently, it's essential to keep all pertinent stakeholders informed of the situation to facilitate any necessary adjustments in planning.

This proactive approach not only aids in maintaining operational efficiency but also underscores the importance of cross-departmental collaboration and transparent communication within the organization.



## CHT WORKSHOP



## GIGA TOOLING

Castool's commitment to innovation and growth in the Giga Tooling market is evident in their advanced heat treatment facility, capable of handling parts up to 20,000 lbs. and 100" in length.



The controlled quench process ensures the integrity of the material's metallurgical structure and toughness, essential for high-quality tooling systems. Furthermore, the nitriding process, which controls the white layer, is a testament to Castool's dedication to precision and excellence in every part they heat treat.



The recent addition of a large temper furnace is a clear indication of Castool's ongoing investment in their capabilities to meet the evolving demands of the industry. This strategic expansion aligns with their holistic approach to production, emphasizing the interconnection of all components in the manufacturing process.



# WHAT WE DO **TRADE SHOW UPDATE**



Thirteenth International Aluminum Extrusion Technology Seminar & Exposition

**Partnership by Design:  
Aluminum Extrusion & Sustainability**  
April 30 – May 2, 2024



## ET'24

 **Rosen Shingle Creek  
Resort, Orlando,  
Florida, USA**

The ET24 conference has evidently set a new benchmark in the aluminum extrusion industry, particularly with the paper "Connecting the Dots for Optimization, not just for Efficiency," which has garnered significant attention for its holistic approach to business optimization. This paper's acclaim underscores the industry's recognition of innovative and comprehensive strategies that go beyond mere efficiency to drive business success. As the industry gears up for ET27, there is a keen focus on the development and implementation of Visual Operating System software, which promises to enhance operational visibility and control. Moreover, the strategic discourse on how to effectively compete with China in the extrusion sector is gaining momentum. The strategies discussed are likely to involve a multifaceted approach, including rebalancing global supply chains and leveraging technological advancements to bolster competitiveness. The high level of anticipation for ET27 reflects the industry's commitment to continuous improvement and its determination to remain at the forefront of technological and strategic innovation. The upcoming event is poised to not only reflect the current state of the industry but also to shape its future trajectory, contributing to its ongoing growth and success.



## SEE YOU AGAIN AT ET 2027



# WHAT WE DO TRADE SHOW UPDATE



## EUROGUSS

📍 January 16-18, 2024  
— Nuremberg,  
Germany

**Euroguss** has indeed become a pivotal event for the global die-casting industry, showcasing the latest advancements in light metal casting, particularly for the automotive sector. The spotlight on giga castings at this year's event highlights a significant shift towards the production of large, structural components traditionally made from steel. This move is driven by the industry's pursuit of lightweight design, performance requirements, and manufacturability, which are now being addressed through innovative approaches like AI-powered generative design. Giga castings are not only revolutionizing the way vehicles are built by reducing the number of components and assembly complexity but also contributing to the enhancement of fuel efficiency and the reduction of CO2 emissions. Despite the challenges such as high initial costs and potential metal distortion issues, the adoption of giga castings is a testament to the industry's commitment to innovation and sustainability.



SEE YOU AGAIN IN 2026



# 2024

## UP COMING EVENTS DIE CASTING AND EXTRUSION

As the year progresses,  
Castool's event schedule is  
packed with exciting  
opportunities to connect and  
engage

16-18  
SEPTEMBER

### AEC MANAGEMENT CONFERENCE

Hilton Chicago O'Hare Airport, Chicago, Illinois, USA



24  
SEPTEMBER

### WEBINAR : PUTTING IT ALL TOGETHER

Paul Robbins & Richard Dickson



30-2  
SEP - OCT

### DIE CASTING CONGRESS & EXPOSITION

Indianapolis, USA - BOOTH# 512



8-10  
OCTOBER

### ALUMINIUM 2024

Exhibition Center Dusseldorf, GERMANY - BOOTH# 1C01



14-16  
NOVEMBER

### JAPAN DIE CASTING CONGRESS & EXPOSITION

Yokohama, JAPAN



20-23  
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### METALEX

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# UPCOMING MEMBER WEBINARS

## September 24, 2024

2:00 p.m. Eastern Time (1:00 p.m. CT, 11:00 a.m. PT)

**Speakers :** Paul Robbins & Richard Dickson  
Castool Tooling Systems

The final webinar in the series of four promises to be a culmination of the comprehensive insights shared by Richard and Paul. Their dedication to transforming extruders into 'Superextruders' is evident through their systematic approach to sustainability and productivity.

The series began with a focus on high-performance dies that not only save energy but also enhance longevity and reduce waste. It then delved into the intricate physics of pressure and temperature, essential knowledge for any extrusion process. The third installment provided practical guidance on optimizing die performance in the press. Now, the concluding session aims to synthesize these elements, equipping participants with the knowledge to elevate their operations. The principles reiterated from the February session emphasize efficiency: by eliminating unnecessary work within the die, resources can be reallocated to increase output, a vital strategy for competing in the global market and achieving sustainable profitability.

This holistic educational journey reflects the commitment to excellence and innovation in the field of extrusion.

Catch up by watching the previous three webinars in the AECTech Webinars archive.



# WE ARE HERE FOR SUPPORT

Our team is comprised of members from around the world.  
We are prepared to assist you with your tooling systems when  
the opportunity arises.

## CASTOOL

<b>Dan Dunn</b>	Sales Director
<b>Jean Dembowski</b>	Commercial Manager
<b>Keattikhun Chaichana (Palm)</b>	Technical Manger Asia
<b>Ploy Robbins</b>	Marketing Director
<b>Sue Lotton</b>	Customer Service
<b>Sue Biliu Su</b>	Customer Service
<b>Yothin Budnampeth</b>	Customer Service

## EUROPE

<b>Emmanuel Bach</b>	Comexale
<b>Olivier Druhen</b>	Comexale
<b>Bertrand Schnell</b>	Comexale
<b>Emmanuel Mandrelli</b>	Comexale
<b>Daniela Buda</b>	Eucastool S.R.L.
<b>Matt Binns</b>	Technical Sales Representative

## UNITED ARAB EMIRATES

<b>Emmannuel Mandrelli</b>	Comexale
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## AFRICA / EGYPT

<b>Olivier Druhen</b>	Comexale
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## ISRAEL / TURKEY

<b>Tuvia Kornfeld</b>	NTK Plant Management
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## NORTH AMERICA

<b>Krystean Rose</b>	Technical Sales
<b>David Purdy</b>	DP Inc.
<b>Jeff Gosnell</b>	Plus One Infinite LLC

## ASIA

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<b>Daniel Cheng</b>	OEA Bridge Link
<b>Long Shun Cheng</b>	OEA Bridge Link
<b>Tony Chein</b>	OEA Bridge Link

### JAPAN

<b>Tetsuya Ishida</b>	Tandem Technologies
<b>Yasunori Ito</b>	KBS Kubo Manufacturing Co.Ltd
<b>Nami Ito</b>	KBS Kubo Manufacturing Co.Ltd

### KOREA

<b>JH Song</b>	ANK Ltd
<b>SW Song</b>	ANK Ltd

### TAIWAN

<b>Wan-Han Lee</b>	Shiny Lee
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### INDIA

<b>Sachin Kumar</b>	Technical Sales Representative
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## LATIN AMERICA

<b>Valentin Meneses</b>	Kautec America
<b>Alberto Forcato</b>	Forcato Tecnologia
<b>Carlos Maciel</b>	Carlos Alberto Maciel Garciduenas

## VIETNAM

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<b>Nattapat Mekdhanasarn</b>	Siam Anglo Alloy Co.Ltd
<b>Patcharee Parkong</b>	Siam Anglo Alloy Co.Ltd
<b>JH Song</b>	ANK Ltd
<b>SW Song</b>	ANK Ltd
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<b>Nattapat Mekdhanasarn</b>	Siam Anglo Alloy Co.Ltd
<b>Patcharee Parkong</b>	Siam Anglo Alloy Co.Ltd

## INDONESIA

<b>Vovinus Krisananto</b>	PT Willisindomas Indahnakmur
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## AUSTRALIA / NEW ZEALAND

<b>Doug Loader</b>	Extrusion Machine Co New Zealand
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