



ROSS & CATHERALL

Have you secured your alloy demand for 2026?

**Melting capacity increased to meet
continued market growth for 2026**

Turning **Metals** into **Motion**



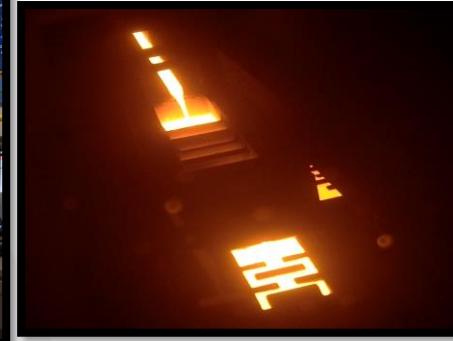
Secure your 2026 alloy requirements now!

- As demand continues to grow across all sectors, Ross & Catherall is well-positioned to support increased alloy volume requirements. Thanks to our expanded melting and processing capacity, we can meet rising customer needs with confidence.
- We maintain a secure supply and stock of elemental materials, and while our pricing reflects current market conditions, we are not experiencing the same supply availability pressures as some competitors on key elements - thanks to stable supply chains and minimal impact from tariffs.
- If your alloy volume demands are increasing, or if your current supplier is unable to meet your needs, we can help. We have increased our available melting capacity throughout 2026.



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Superalloy manufacturing excellence



- Vacuum melting from 1968 ✓
- 155 employees
- Over half a century of superalloy melting, development, manufacturing and processing experience ✓
- World's largest selection of VIM furnace capacity options utilising the latest melting technology ✓
- Markets served: Aerospace, IGT, Additive Manufacturing, Space Exploration, and biomedical sectors ✓
 - Manufacturers of cast bar stick to the Investment Casting foundry sector ✓
 - Long history of product and process development ✓



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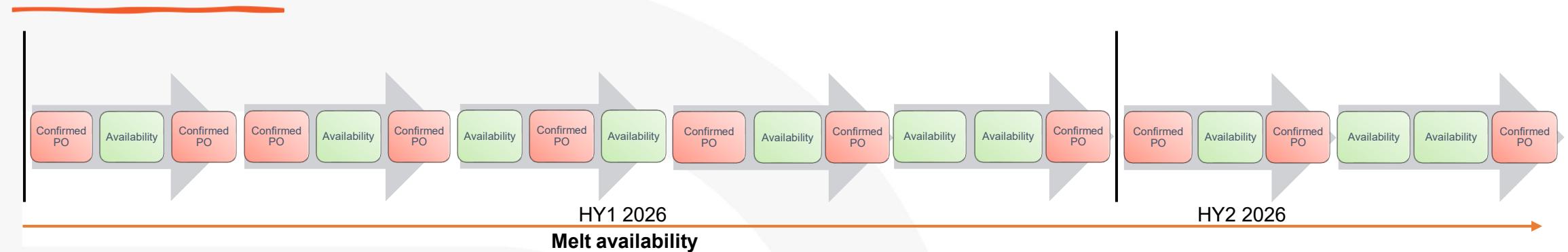
Expanded melting – to meet market growth

- To support growing market demand across all industry sectors, we have expanded our alloy melting and processing capacity
 - We offer flexibility with more furnace capacity options with a choice of 8 Vacuum Melting Furnaces (VIM)
 - Furnace technology configured for the highest quality masteralloy production of highly specialised nickel and cobalt-based superalloy cast bar stick - supplying 21st century alloys today!
- Revert is a key cost driver; our flexible furnace capacity options enable you to determine the most cost-effective ratio to meet both your budget and delivery requirements
 - In-house revert processing ensures “closed loop” security with rapid conversion into new alloy
- With eight furnace options and a strong commitment to quality, technical expertise, flexibility, and strategic location, our melting capabilities and capacity ensure your order is delivered on time and in full
 - Remove the concerns of revert availability by utilising our multiple capacity furnace options
 - Choose from 500kg (1,100lbs), 2500kg (5500lbs), 2800kg (6,200lbs), 4000kg (8,800lbs), 6000kg (13,200lbs), 7200kg (15,800lbs)



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Additional melting capacity introduced



- Customers can utilise the additional melt capacity from our latest 4t furnace, increasing the melt volume range from 500kg (1,110lb) to 7200kg (15,800lbs)
- Some key element prices are rising; trade tariffs are already impacting element cost increases and alloy costs. Secure your future alloy requirements
- Our lead-times for melting to despatch is approx. 4-6* weeks, including “spot orders”
- We continue to remain as proactive as possible, with regards to ensuring your alloy demands are met with increased production hours, however, commitment POs for melting must be provided to “lock-in” melting slots
- Revert containing melts must have the required revert delivered to R&C on time[^] to make “furnace ready” to meet the melt date advised. Alternate ratios will be required if revert is not available 2 weeks prior to the confirmed melt date
- Melt slots will be allocated based on first received receipt of PO confirmation



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^{*}based on revert being available and furnace ready
[^] As per revert specification document

Various Melting options to maximise your available revert

| Furnace capacities kgs (lbs) | Bar Diameters mm (inches) |
|------------------------------|---|
| 500 (1,100) | |
| 2 x 2800 (6,200) | |
| 4000 [^] (8,800) | 75 (3"), 88 (3½"), 100 (4"), 125 (5"), 150 (6"), 175 (7") |
| 7200 (15,800) * | |

* Furnace yields approx. +/- 10% of stated capacity, * 3 x 7200kg & 6000kg furnace bodies ^ New furnace commissioned Q4 2023

With eight VIM furnaces and a dedicated revert processing cell, we are fully equipped to meet your diverse alloy volume requirements—delivering a truly sustainable circular economy for your revert stream



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Reduce impacts from minor metal increases – utilise your revert!



* OEM specification approval dependent

- Stabilise Your Supply Chain with Sustainable Revert Solutions
- Trade tariffs have introduced volatility in the availability and pricing of critical elements used in superalloys.
- Our solution? Maximise the use of revert, up to 70%* in your melt.
- Revert isn't just scrap, it's a high-value resource containing essential elements like Hf, Ta, W, Ni, and Co. Derived from finished cast components, revert retains the exact composition needed for superalloy cast bar production.
- Our in-house revert processing facility enables a closed-loop system, using customer supplied revert to meet precise specifications and final compositions. This not only supports sustainability but also helps mitigate the impact of export restrictions, such as the tightening supply of Hafnium (Hf), which is driving up global prices.



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Use your revert to reduce increased costs

- Revert is a valuable input containing high value elements:
 - Hafnium (Hf), Tantalum (Ta), Tungsten (W), Nickel (Ni), Cobalt (Co)
- Its strategic use helps manage costs and raw material availability
- Our flexible furnace options allow you to optimise:
 - Cost efficiency
 - Delivery timelines
- Adapt the melt sizes to meet both your budget and production needs
- In-house revert processing ensures:
 - Closed-loop material security
 - rapid conversion into new alloy
- Minimises risk and maximises turnaround speed
- Eight furnace options support:
 - On-time, in-full delivery
 - High quality standards
 - Technical expertise
- Strategic location



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Advantages of using Ross & Catherall

Ross & Catherall hold a prestigious position within the investment casting sector for the manufacture of superalloy cast bar stick, leveraging over 50 years of expertise and continuous innovation in vacuum melted superalloy production, while supplying our knowledge to your specifications

- We are a technological, quality and service orientated supplier with the most flexible melting capabilities of any superalloy manufacturer worldwide.
- Largest volume capacity options worldwide of any superalloy cast bar stick manufacturer - choice of 8 VIM furnaces ✓
- In-house revert processing & preparation facility ✓
- Located “centrally” to all major Aerospace & IGT producers ✓
- Alloy cleanliness ✓
- Delivering Low N <5ppm ✓
- Delivering Low S & Super Low S < 3ppm and < 1ppm ✓
- Fully accredited laboratory with ISO17025:2017 & Nadcap approvals ✓



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Your trusted partner in advanced superalloy solutions

Superalloys for investment casting



Ross & Catherall capabilities

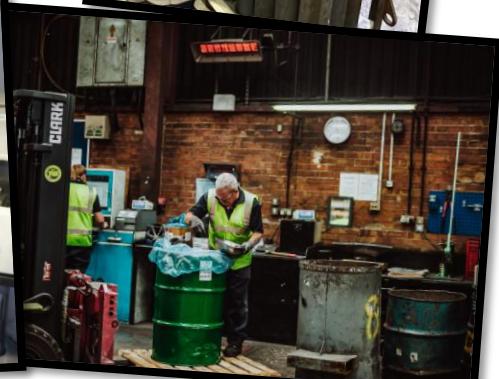
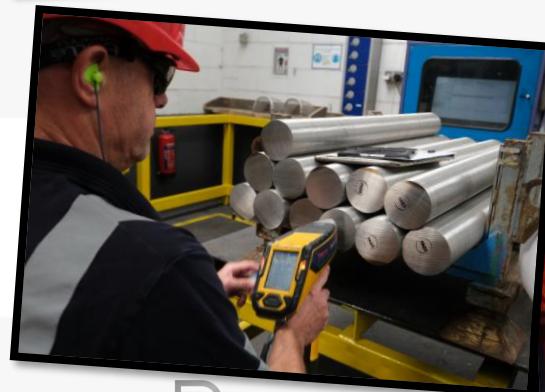
- Technical, metallurgical & chemical specialists with long service industry knowledge and experience ✓
 - Fully accredited laboratory with ISO17025:2017 & Nadcap approvals ✓
- Largest volume capacity range of any superalloy manufacturer worldwide - 8 VIM furnaces ✓
- Invested and committed workforce with knowledge, experience and continuity in the sector ✓
 - Exact Chemistry control and bar cleanliness ✓
 - Low N <5ppm ✓
 - Low S & Super Low S < 3ppm and < 1ppm ✓



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Our people are our strength!

- Mastermelt principle melters - continuity of workforce with over 150 years* experience and knowledge
- Senior Management Team - average tenure 10 years at Ross & Catherall, several with over 30 years industry experience
- Technical and Laboratory specialists, many with over 25 years industry experience in superalloy metallurgical development and chemical services
- Established programmes for investment in technical excellence, people, capability and plant capacity



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Ross & Catherall Limited

Superalloy Manufacturing Excellence

- Vacuum melting since 1968
- World's largest selection of VIM furnace capacity options utilising the latest melting technology
- Aerospace, IGT, Additive Manufacturing, Space Exploration and biomedical sectors
- Supplying to the Investment casting and Additive Manufacturing industries
- Over 50-year history of product and process development
- Our expertise adds value to chemical elements to meet customers exacting "chemistries"



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SERVING THE GLOBAL INVESTMENT CASTING COMMUNITY FOR OVER 50 YEARS