RCI cast

innovators for casting

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What's Next

For Innovators For Casting

Following the successful commissioning of our Alves Project, our teams have already rolled up their sleeves and begun preparing for the next big step. We are excited to announce the upcoming launch of our 8,000 TPA casting plant dedicated to Ako Cable.

With the same attention to detail and commitment to excellence , as RCIcast we are confident this new project will further strengthen our growth and development. We aim to complete and deliver these plants promptly and to the highest standards, continuing to set benchmarks in the industry.

Commissioning of Our New Alves Project!

RCIcast is proud to announce the successful commissioning of the Alves Project, a state-of-the-art facility with an annual production capacity of 10,000 tons. This investment not only expands our production capabilities but also reflects our commitment to sustainable growth, innovation, and operational excellence.

From design and manufacturing to installation and commissioning, our expert engineering and technical teams meticulously managed every stage of the project. Maintaining close collaboration with our customers throughout the process ensured that we delivered a solution tailored to their precise needs.

As part of this expansion, we have begun producing oxygen-free copper rods using high-purity cathodes .. This cutting-edge production line guarantees superior conductivity, consistent quality, and excellent surface finish—meeting the demanding requirements of the energy, cable, and electromechanical sectors.

With advanced process controls, high efficiency, and uncompromising quality standards, RCIcast is well-positioned to meet growing global demand and continue delivering premium copper solutions. We extend our sincere thanks to everyone who contributed to this significant achievement.

ALL ABOUT RCIcast

INSIGHTS WITH ALI APALI

1. How was RCIcast founded? Can you share your founding story with us?

RCIcast is built upon our extensive experience in the cable and wire industry and our strong engineering background. For many years, we have provided technical service, maintenance, and field support to companies using various brands of upward casting systems. Throughout this process, we had the opportunity to closely observe the challenges users faced and the core needs of the industry.
These valuable insights from the field led us to develop more efficient, user-friendly, and cost-effective solutions. It was with this motivation that we established RCIcast—to bring a fresh perspective to the industry. Our goal is not only to manufacture equipment but to offer innovative systems that redefine production processes through digitalization, automation, and advanced engineering. At every step, we place innovation at the core to promote sustainable efficiency and technological transformation in the sector.

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2. What is your main area of expertise?

At RCIcast, we specialize in the design and manufacturing of channel induction furnaces used in the production of copper wire rod. We manage all processes in-house, offering an integrated service that includes design, manufacturing, automation, and after-sales support.
Our systems stand out with their high energy efficiency, durable structure, and automation-supported operation. Thanks to this holistic approach, we offer not just a product, but a complete solution to our customers.

3. Why should channel induction furnaces be preferred?

Channel induction furnaces are preferred for their high energy efficiency and low operating costs. With their continuous melting capacity and long-lasting components, they are an ideal solution especially for high-volume production facilities. Their ability to operate efficiently and without interruption provides reliability throughout the production process.

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4. What unique advantages do your systems bring to the industry?

When developing our systems, we focus not only on performance but also on user experience. We offer highly homogeneous melting, precise temperature control, and full automation integration. In addition, our engineering team has developed many design improvements that simplify operations—for example, systems that allow for coil replacement without tilting the entire furnace, and service-friendly modular structures like our patented casting designs.

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5. What is your approach to R&D?

At RCIcast, we adopt a continuous improvement mindset. Our R&D efforts focus on efficiency, digitalization, and sustainability. We actively develop projects involving Industry 4.0 integration, sensor-based monitoring systems, and software optimization. This enables us to provide our customers with always up-to-date and cutting-edge technologies.

6. What are your design and engineering criteria?

Our design and engineering processes are centered around efficiency, durability, and user focus. Each component of our systems undergoes detailed engineering analysis. Thermal analysis, magnetic field simulations, and custom inductor designs are essential tools we use to maximize performance.
Moreover, every system is customized for the specific application, enabling us to deliver the most suitable solution tailored to each customer's needs.

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7. How do you ensure quality in production?

All of our production processes are carried out in compliance with ISO standards. Every product is rigorously tested through Factory Acceptance Tests (FAT) and on-site commissioning processes. We treat quality as an ongoing process and ensure that our products deliver maximum performance in the field.

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8. What are your target markets? Do you export?

As RCI Cast while determining our target markets as Europe, Asia and South America in the first stage; we continue to expand our export network and progress towards becoming a strong player in the global market.

"Aiming to become a globally recognized company "

9. What sets you apart from your competitors?

What truly distinguishes RCIcast from competitors is our ability to provide application-specific designs, fast technical support, and highly durable systems with low carbon footprint.
We design and manufacture our plants entirely in-house, which eliminates external dependency and allows us to deliver fully integrated, reliable systems. Our in-house engineering team can provide rapid remote support and resolve issues efficiently. Furthermore, by using globally available industrial-standard components, we ensure that our customers can maintain operations without being dependent on us for spare parts.
Additionally, many of our system features are designed to simplify operations. For instance, our specially developed core-changing apparatus allows coil replacement without tilting the furnace. Combined with our CCP designs and modular structures, we significantly reduce maintenance times. These thoughtful engineering solutions provide our customers with both time and cost advantages in production.

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10. What is your 5-year vision?

Over the next five years, we aim to become a globally recognized technology manufacturer by developing smarter, more efficient, and more sustainable systems. Our vision is to be the market leader in Turkey and an internationally respected brand. With ongoing exports to Europe, the Middle East, and beyond, we are progressing confidently toward this goal.

Where Does Copper's Strength Comes From ?

Copper is renowned for its excellent electrical conductivity.
The movement of electrons within this metal is so efficient that electrical signals can travel through it at nearly the speed of light. This makes copper the backbone of electrical cables. Furthermore, its durability and flexibility ensure that wire rods made from copper produce long-lasting and reliable cables.


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