



JUSCOGEN & ALCOP-JCA
PRODUCTS

&

SERVICES BRIEF

- Manufacturing Sector-Rolling Mills



PROPOSAL FOR THE SUPPLY OF ALLOY METALS

[Product Brief]

Introduction

JusCogen & Alcop is a trusted partner that provides comprehensive solutions for the aluminum industry. We are pleased to offer a detailed proposal for the supply of high-quality products, cost-effectiveness compared to other suppliers, and the continuous support provided after sales.

Why Choose JusCogen &Alcop:

- **Experience:** Our team has extensive experience in the field of Aluminum production and supply, with a proven track record of delivering high-quality products to clients worldwide.
- **Continuous Support:** We offer continuous after-sales support, including technical consultation and troubleshooting for all Aluminum-related needs.
- **Commitment to Excellence:** We are dedicated to providing world-class products and services that help our clients achieve maximum efficiency and success in their operations.

Additional Benefits:

- **Cost Efficiency:** Our products offer excellent value for money due to streamlined production processes and supply chain management, allowing us to provide competitive prices without sacrificing quality.
- **Global Standards Compliance:** All our services comply with international quality standards, ensuring top-notch performance across various applications.
- **Customer-Centric Approach:** We work closely with our clients to understand their unique needs and offer tailored solutions that best fit their manufacturing and metallurgical requirements.



Products Offered by JusCogen &Alcop

Product	Description	Quality Assurance	Price Advantage	After-Sales Support
1) AlB 4%	Aluminum-Boron Master Alloy containing 4% Boron, ideal for grain refinement of aluminum alloys.	Manufactured under strict quality controls ensuring homogeneity and purity.	Competitive pricing compared to leading suppliers, without compromising quality.	Continuous technical support, including alloy performance monitoring post-sales.
2) Fe80%, Flux 20% Tablet	Iron-based master alloy tablet containing 80% Iron and 20% flux for refining and alloying processes in aluminum.	Tested for consistency, durability, and uniform alloy distribution.	Cost-effective due to optimized production and logistics solutions.	Expert assistance for optimal usage and technical troubleshooting.
3) AlTiB 3/1%	Aluminum-Titanium-Boron Master Alloy (3% Titanium, 1% Boron) for effective grain refinement in aluminum alloys.	High-quality raw materials and precision-controlled production to ensure stability.	More affordable than other suppliers with no sacrifice on refinement efficiency.	Ongoing support to improve grain structure in manufacturing.
4) Magnesium Ingot min 99.95%	Pure magnesium ingots with a minimum purity of 99.95%, used in alloying with aluminum and other metals.	Guaranteed high purity with detailed chemical composition reports available.	Competitive market pricing and flexible delivery terms.	Post-sales consultancy on magnesium application and alloy creation.
5) Al Silicon Master Alloy 50%	Aluminum-Silicon Master Alloy with 50% Silicon, perfect for aluminum-silicon alloy production in foundries.	Superior silicon content uniformity ensured through advanced alloying techniques.	Highly competitive rates compared to other master alloy suppliers.	Continuous support on alloy application and process optimization.



6) Silicon Briquette (Custom Grades)	Custom silicon briquettes formulated to the client's exact specifications, suitable for various metallurgical uses.	Customizable quality and composition to meet specific client requirements.	Tailored solutions at cost-effective pricing to match industry needs.	Full consultation services, including customization and production advice.
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We also supply equipment such as Spectrometers, Spirometers, and the allied at a very reasonable cost.

Delivery and Payment Terms:

- **Lead Time:** Delivery time can be discussed after order confirmation.
- **Payment Terms:** Flexible payment options are available to suit your financial requirements.
- **Shipping:** International shipping options, with support on customs clearance and logistics management.

We look forward to a successful collaboration.

Globally Yours,
JusCogen & Alcop (JCA)
[Delivering Excellence With Speed!]



SERVICES PROPOSAL *[Services Brief]*

Introduction

JusCogen & Alcop is a trusted partner that provides comprehensive solutions for the aluminum industry. We are pleased to offer a detailed proposal for the supply, installation, and stabilization of your Aluminum Continuous Casting and Rolling (CCR) line, tailored to your specific budget and performance requirements.

Why Choose JusCogen &Alcop:

- **Experience:** Our team has extensive experience in the field of Aluminum production and supply, with a proven track record of delivering high-quality products to clients worldwide.
- **Continuous Support:** We offer continuous after-sales support, including technical consultation and troubleshooting for all Aluminum-related needs.
- **Commitment to Excellence:** We are dedicated to providing world-class products and services that help our clients achieve maximum efficiency and success in their operations.

Additional Benefits:

- **Cost Efficiency:** Our products offer excellent value for money due to streamlined production processes and supply chain management, allowing us to provide competitive prices without sacrificing quality.
- **Global Standards Compliance:** All our services comply with international quality standards, ensuring top-notch performance across various applications.
- **Customer-Centric Approach:** We work closely with our clients to understand their unique needs and offer tailored solutions that best fit their manufacturing and metallurgical requirements.



Services Offered by JusCogen & Alcop

Section	Details
Scope of Services	The following proposal outlines the full-service offering from supply and installation to the optimization of an existing CCR line for maximum efficiency and quality.
1. Supply of Complete New CCR Line	
1.1 Furnace Supply	Supply of high-efficiency Tilting and Melting regeneration furnaces, including energy-efficient options tailored to your plant's needs.
1.2 Launder System	Customized launder system ensuring minimal metal loss and efficient transfer of molten aluminum to casting systems.
1.3 Degassing System	Advanced degassing systems to ensure minimal gas content and improved metal quality for the casting process.
1.4 CFF Filtration System	Ceramic Foam Filter (CFF) for removing inclusions and impurities, ensuring a high-quality final product.
1.5 Electromagnetic Stirrer	Electromagnetic stirring system for homogenizing the molten metal, reducing the risk of segregation, and ensuring uniform casting properties.
1.6 Scrap Charging Car	Supply of scrap charging car to enhance the efficiency of material loading into the furnace, ensuring safe and controlled operation.
1.7 Coiler Options	Offering two types of coilers:
	<ul style="list-style-type: none"> - Down Coiler: Ideal for large volume production, ensuring stability and durability. - Compact Coiler: Space-saving design for smaller setups, with energy-efficient operations.
1.8 Casting Speed Options	Flexible casting speed options to match your production goals, providing multiple speeds tailored to different product outputs as per customer specifications.
2. Installation of Complete CCR Line	



2.1 Furnace Installation	Installation of tilting and melting regeneration furnace, including complete refractory lining for optimal heat retention and durability.
2.2 Launder System Installation	Installation of the launder system with precise alignment for smooth molten metal transfer.
2.3 Degassing and Filtration Installation	Setup of degassing and CFF filtration systems for consistent high-quality output.
2.4 Electromagnetic Stirrer Installation	Installation and calibration of electromagnetic stirrers to ensure uniform molten metal and consistent casting properties.
2.5 Scrap Charging System	Installation of scrap charging car, providing seamless material input into the furnace, improving safety and efficiency.
2.6 Pollution Control Unit	Installation of a complete pollution control unit to manage furnace emissions and ensure compliance with environmental regulations.
2.7 Coiler Installation	Installation of down coiler or compact coiler, as per your selection, ensuring smooth transition from casting to coiling.
2.8 Full Line Integration	Mechanical, electrical, and automation integration of the entire CCR line, ensuring smooth operation from the furnace to the coiler.
3. Assistance in Stabilizing Existing CCR Line	
3.1 Initial Assessment	A thorough on-site evaluation of the current CCR line to identify areas of inefficiency and quality-related issues.
3.2 Efficiency Enhancement	Process improvement strategies, including recommendations for equipment upgrades and process modifications to improve efficiency.
3.3 Quality Improvement	Implementation of process control measures and fine-tuning of casting and rolling systems to enhance product quality.
Project Timeline	A customized project timeline will be developed, outlining all key milestones from supply to installation and commissioning.
Client Budget and Flexibility	We offer flexible solutions to match your budget, with various equipment and performance options available to optimize cost-efficiency.



Post-Installation Support	Post-installation services include operator training, technical support, and process optimization to ensure smooth operations and long-term success.
Warranty & Maintenance	All equipment comes with a full warranty, and extended maintenance contracts are available to ensure the optimal performance of your CCR line.

Delivery and Payment Terms:

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