

A photograph of a large industrial sugar mill facility at sunset. The sky is filled with orange and yellow clouds, and a large plume of white steam or smoke rises from a tall chimney on the right. In the foreground, there is a field of green sugarcane stalks. A large, semi-transparent blue circle with a white border is overlaid on the bottom right of the image, containing the text "Sugar Industry" and the website address.

# Sugar Industry

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# OMECE Motors: WorldWide



With locations throughout the globe in Europe, North America, China, and Australia as well as offering distribution and service in more than 50 countries, OMECE MOTORS is one of the top electric motor manufacturers with an emphasis on high efficiency and specific applications.



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# About Us



OMECE Motors' full global distribution network is available to assist you. OMECE Motors offers continuity, dependability, and integrated solutions for numerous industries and sectors thanks to our own manufacturing in Europe and Asia, global distribution hubs, R&D teams, and customer care representatives.

We have a broad manufacturing range supported by in-house research and development, cutting-edge technology, and high-quality service, which provides a solid foundation for our long-term objectives. We aim to lead drive technology manufacturers in the global marketplace through our corporate strategy: matching client requests and market demands to our drive products solution. We strive to continuously exceed market expectations, increase our output on a regular basis, and provide innovative solutions to your needs.



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# OMECE Motors: When Reliability Matters



For over 80 years, OMECE has been at the forefront of developing and manufacturing cutting-edge electric motors that excel in the most demanding industrial applications.

Our team of R&D engineers brings extensive expertise to design and develop products and solutions for tough environments. We meticulously analyzed the Sugar industry requirements and environment to deliver the right products for your specific needs.

At OMECE, we understand that longevity, high efficiency, and reliability are crucial for your operations. That's why we guarantee exceptional durability and optimized performance.

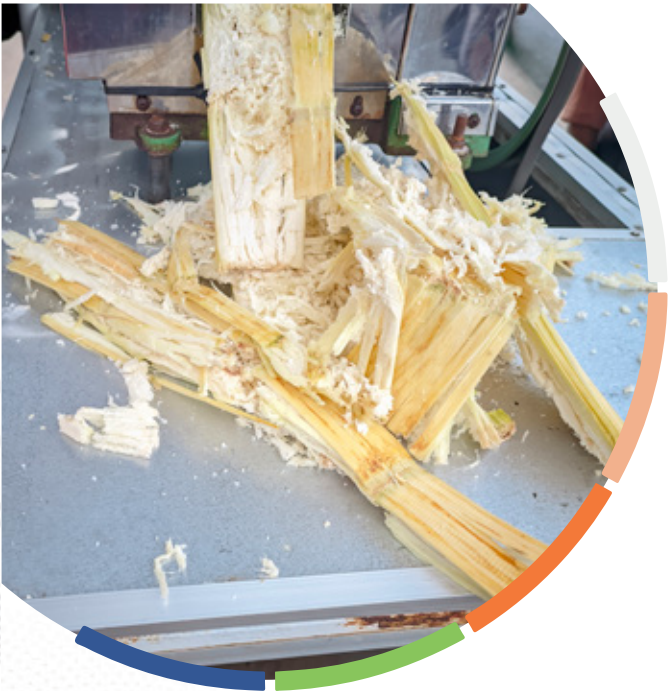
Elevate your reliability, performance, and efficiency with OMECE  
*The paramount of quality, innovation, and reliability.*

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# Complete Portfolio For the Sugar Industry



OMECE offers a comprehensive portfolio of electric motors with reliability, high efficiency, and superior performance for all Sugar Industry Processes from planting, to distribution, through irrigation, harvesting, processing and refining.






# Certification



- ISO9001:2015** ISO9001:2015 Quality Management System Certificate
- ISO14001:2015** Environmental Management System Certification
- ISO9001:2015SGS** SGS Quality Management System Certification




  UL listed, DoE Energy Efficiency Registered  
CSA Electrical Safety And Premium Efficiency Registered


  CE and UKCA Marked

   China Certification Center for Energy Conservation Product (CECP)  
China Compulsory Certificate  
China Classification Society Certificate


 DNV-GL Classification

 Bureau Veritas Classification

 Lloyd's Register Quality Assurance Classification

 American Bureau Of Shipping Classification

 Russian Classification Society

 Italian Bureau of Shipping Classification

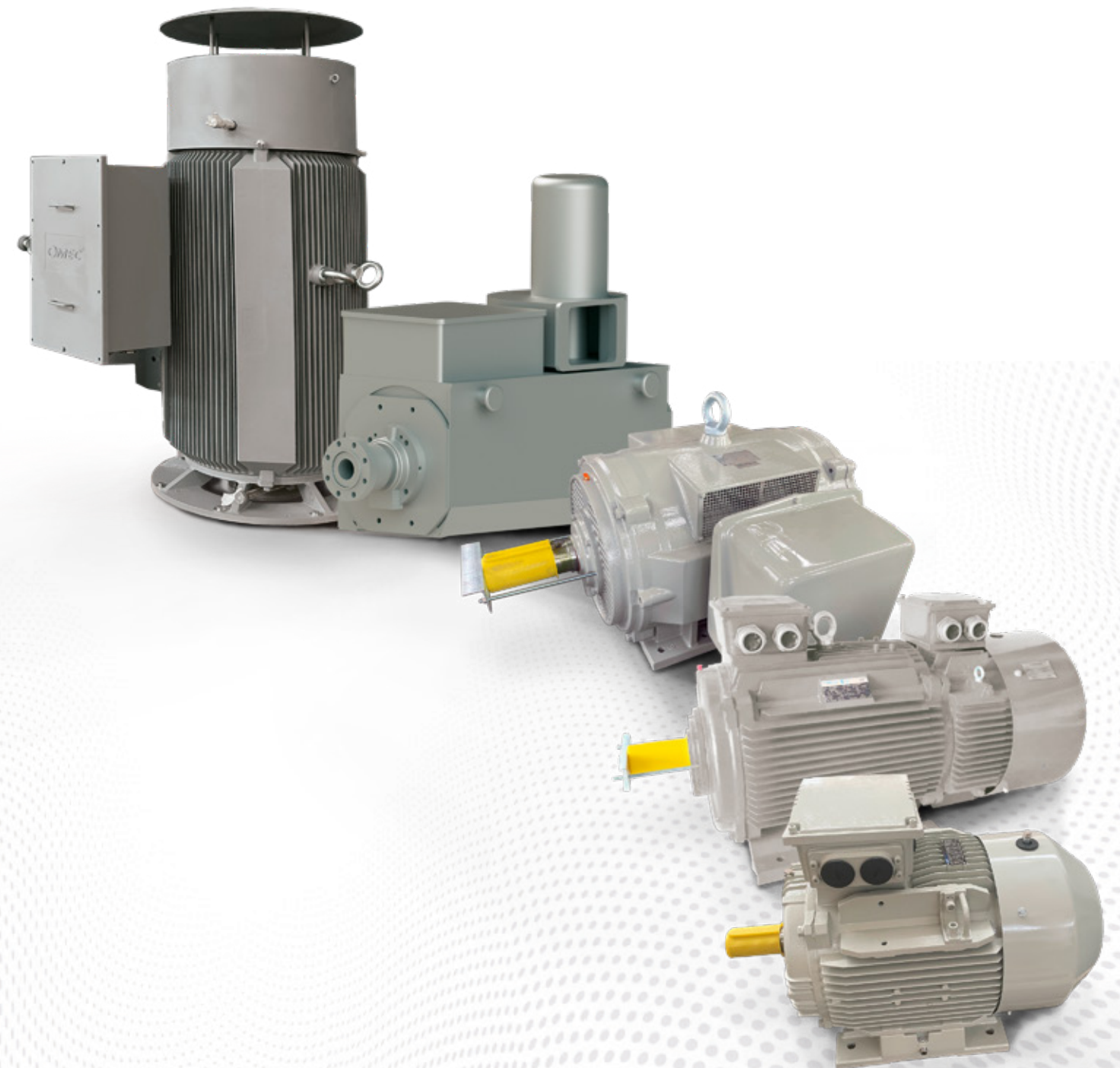
## Electric Motors for the Sugar Industry



Electric motors play a pivotal role in the sugar industry, driving efficiency and productivity to new heights. These motors, powered by electricity, are employed in various stages of sugar production, from crushing sugarcane to refining and packaging the final products.

Electric motors have revolutionized the sugar industry by providing reliable, efficient, and flexible power solutions throughout the production process. Their role in powering various machinery and equipment has significantly contributed to the industry's growth and ability to meet global demands for sugar and its byproducts.

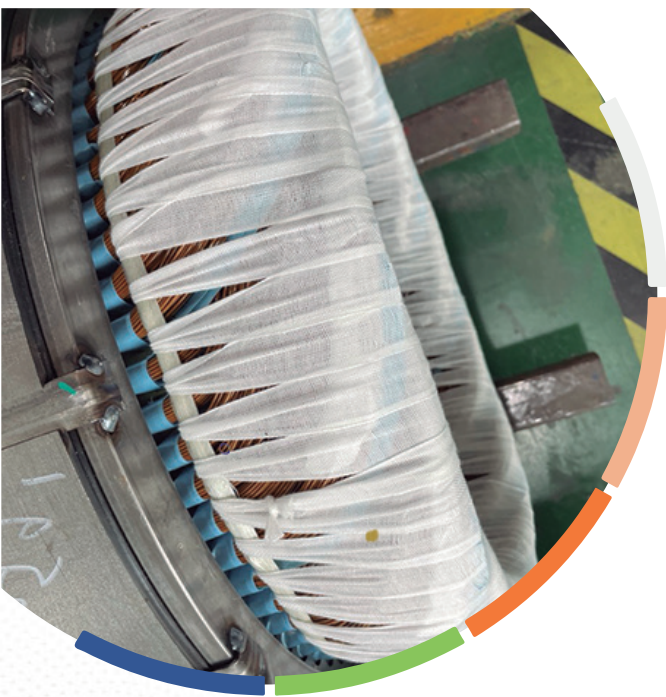
## Motors Portfolio



## OMECE Motors: Our State-of-the-Art Factories and R&D Centers



Located in Europe, Asia, and Oceania, our factories and R&D centers give our customers a world-class support, fast response and state-of-the-art technology.



## OMECE Motors - Main Options:



- Corrosive Duty coatings and design.
- Certified Marine Duty.
- Variable Speed Drives duty.
- Tropicalization.
- Oversized terminal boxes.
- Many options for accessories: Vibration and temperature sensors, automatic regreasing, shaft grounding, forced ventilation, and insulated bearings, among others.
- Special tests.
- Custom-made solutions.

## OMECE Motors - Main Applications:

- Centrifugal, multi-phase, progressive cavity, and reciprocal pumping.
- Pumpjacks, rod pumps.
- Air and gas compression.
- Fans and blowers.
- Boilers and water-cooling towers.
- Auxiliary services.

# Reception and Cleaning Processes



## Enhancing Sugar Industry Efficiency with OMEC Electric Motors in Reception and Cleaning Processes

In the dynamic world of sugar production, efficiency and precision are paramount. OMEC Electric Motors stands as a beacon of innovation, providing cutting-edge solutions to the sugar industry's Reception and Cleaning processes.

### Unleashing Efficiency:

OMEC's state-of-the-art electric motors are meticulously crafted to power the critical Reception and Cleaning stages of the sugar production process. With unparalleled efficiency, these motors, available in efficiency levels to IE5, deliver the energy needed to drive crushers, shredders, and conveyors responsible for breaking down raw sugarcane and separating impurities from the precious juice.

### Reliability Redefined:

At the heart of the sugar mill, OMEC motors shine with unwavering reliability. Designed to withstand the demanding nature of continuous operation, they ensure uninterrupted performance, minimizing downtime and optimizing production output.

### Precision in Cleaning:

OMEC motors empower the Cleaning process with precision control. They drive centrifuges and separators, allowing for the effective removal of impurities from the extracted juice. This precision ensures the highest quality of refined sugar, meeting the industry's stringent standards.

### Sustainability in Action:

With a strong commitment to sustainability, OMEC Electric Motors contribute to reducing the carbon footprint of the sugar industry. Their energy-efficient design not only lowers operational costs but also aligns with environmentally conscious practices, promoting a greener future for all.

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## Partnership for Progress:

OMEC's collaboration with the sugar industry goes beyond technology. It's a partnership dedicated to elevating productivity, quality, and sustainability. With OMEC, the sugar industry gains a competitive edge in a global market, setting new benchmarks for success.

In the intricate dance of sugar production, OMEC Electric Motors take center stage, driving the industry forward one efficient, reliable, and sustainable step at a time. Join us in transforming the sugar production landscape with the power of innovation and excellence.

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# Preparation Processes



## Empowering Sugar Industry Efficiency with OMEC Electric Motors in Preparation

### Unleashing Precision:

OMEC's cutting-edge electric motors are meticulously engineered to drive the pivotal Pre-Milling Preparation processes in sugar production. These motors power conveyors, feeders, and agitators, playing a pivotal role in handling and transporting raw sugarcane to ensure seamless milling downstream.

### Elevating Reliability:

At the heart of every sugar mill, OMEC motors shine as beacons of unwavering reliability. Built to withstand the demands of continuous operation, they ensure consistent performance, minimizing downtime, and maximizing production efficiency.

### Efficiency through Innovation:

OMEC motors revolutionize Pre-Milling Preparation by providing unmatched efficiency. They drive equipment that carefully prepares the sugarcane for milling, optimizing the extraction process and leading to higher yields of precious juice.

### Customized Solutions:

OMEC's electric motors aren't just components; they are tailored solutions. Our motors are designed to meet the specific needs of each sugar mill, ensuring seamless integration and optimal performance.

### A Sustainable Pathway:

With a steadfast commitment to sustainability, OMEC Electric Motors contribute to reducing the environmental impact of the sugar industry. Their energy-efficient design not only reduces operational costs but also aligns with eco-conscious practices, paving the way for a greener future.

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## Partners in Progress:

OMEC's partnership with the sugar industry extends beyond technology. It's a collaborative journey dedicated to enhancing productivity, product quality, and sustainability. With OMEC, the sugar industry gains a competitive edge in the global market while championing progress.

In the symphony of sugar production, OMEC Electric Motors play a key role, driving the industry toward enhanced efficiency, reliability, and environmental responsibility during the crucial Pre-Milling Preparation phase. Join us in shaping the future of sugar production with innovation and excellence.

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# Milling and Diffusion Processes



## Revolutionizing Sugar Industry Performance with OMEC Electric Motors in Milling and Diffusion Processes

In the intricate realm of sugar production, precision and power are the pillars of success. OMEC Electric Motors takes center stage, presenting game-changing solutions tailored to the sugar industry's Milling and Diffusion processes.

### Driving Efficiency:

OMEC's advanced electric motors are meticulously engineered to power the critical Milling and Diffusion stages of sugar production. These motors provide the force behind the crushers, mills, and diffusers that extract every ounce of precious juice from sugarcane, maximizing yield and efficiency.

### Reliability Redefined:

Deep within the sugar mill, OMEC motors shine as emblems of unwavering reliability. Engineered for continuous operation, they ensure consistent performance, minimizing downtime, and maximizing production output during the most demanding phases.

### Precision in Action:

OMEC motors empower Milling and Diffusion processes with unparalleled precision. They drive machinery that refines the sugarcane and extracts juices with exacting accuracy, resulting in the highest quality end product.

### Customized for Excellence:

OMEC's electric motors aren't just components; they are custom-tailored solutions. Designed to meet the unique requirements of each sugar mill, they seamlessly integrate into existing systems, ensuring optimized functionality and performance.

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### Towards Sustainability:

With an unwavering commitment to sustainability, OMEC Electric Motors play a crucial role in reducing the environmental impact of the sugar industry. Their energy-efficient design lowers operational costs and aligns with eco-conscious practices, paving the way for a more sustainable future.

### Partnership for Progress:

OMEC's collaboration with the sugar industry is more than transactional; it's a shared journey towards progress. Together, we elevate productivity, quality, and sustainability. With OMEC, the sugar industry stands poised to excel in a competitive global market.

In the grand tapestry of sugar production, OMEC Electric Motors lead the way, propelling the industry towards efficiency, reliability, and environmental responsibility during the pivotal Milling and Diffusion processes. Join us in shaping the future of sugar production through innovation and excellence.

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# Processes



## Powering Success in the Sugar Industry with OMEC Electric Motors

In the dynamic world of sugar production, precision, reliability, and efficiency are paramount. OMEC Electric Motors takes the lead, offering cutting-edge solutions that drive success across various processes in the sugar industry.

### Driving Excellence:

OMEC's advanced electric motors are meticulously designed to propel critical processes throughout the sugar production journey. From preparation and milling to refining and packaging, our motors provide the force that ensures seamless operation and optimal performance.

### Reliability Redefined:

At the heart of every sugar mill, OMEC motors shine as symbols of unwavering reliability. Engineered for the demands of continuous operation, they stand as guardians of consistent performance, minimizing downtime and maximizing productivity.

### Precision in Action:

OMEC motors infuse precision into every step of the sugar production process. They power equipment that handles raw materials, extracts juices, and refines products with exacting accuracy, resulting in premium-quality output.

### Customized Solutions:

OMEC's electric motors go beyond standard components; they are tailor-made solutions. Crafted to meet the unique needs of each sugar mill, our motors seamlessly integrate into existing systems, enhancing efficiency and functionality.

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## A Greener Pathway:

OMEC Electric Motors are committed to sustainability. Their energy-efficient design not only reduces operational costs but also aligns with eco-conscious practices, contributing to a more sustainable and environmentally-friendly sugar industry.

## Partners in Progress:

OMEC's collaboration with the sugar industry is a partnership dedicated to progress. Together, we elevate productivity, quality, and sustainability, ensuring the industry's success in a competitive global landscape.

In the intricate dance of sugar production, OMEC Electric Motors play a pivotal role, driving the industry forward with innovation and excellence. Join us in shaping the future of sugar production, where every process is powered by OMEC's cutting-edge electric motors.

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