



**MAGCORE**



**DISCOVER  
INFRASTRUCTURE  
BUILT ON  
TOMORROW'S  
TECHNOLOGY**





**MAGCORE**

# INSPIRED FROM THE CORE

## MISSION

"Crafting precision and building trust by transforming metal into masterpiece"

## VISION

"To be the leading provider of high-quality electrical lamination, powering a sustainable and connecting world through innovation, reliability and environmental responsibilities"

# MAGCORE

## LAMINATION INDIA PVT LTD



Welcome to Magcore, where quality meets innovation in the manufacturing of electrical laminations and value-added products. With a commitment towards technical expertise, we have been developing material and application technologies since our founding as we continue to improve our production processes every day.

Magcore offers a comprehensive product range across the entire value chain, including loose laminations, die-casting rotors, prototypes, and highly efficient rotor and stator packets for large-scale production.

*We take pride in complying with the internationally stringent requirements of systematic quality management. All of our sites are certified according to:*



**ISO 9001-2015:**  
Quality management System



**ISO 45001-2018:**  
Environment management System



**ISO 14001-2015:**  
Safety & Health management System

These certifications ensure that we meet the requirements for quality management systems in the laminations industry.



Electrical steel in wide and narrow coils



Highly committed eco-conscious organization



Compliance to integrated Quality Management Systems



IEC standard stamping and Die-Cast rotor from 63 to 400 frame size

# INSPIRED FROM THE CORE

## HIGH STANDARDS FOR EXCEPTIONAL QUALITY

Our brand philosophy, "Inspired from the core", reflects our belief that quality is not just a feature, it's a fundamental value. It's our commitment to our customers to provide them with products that are not only of the highest quality standard but also those that inspire trust.

Founded in 1987 in Bengaluru, India, Magcore has been in constant development and has achieved national success. Our total production area of around 1,30,000 sq ft is spread across two locations, including one of the largest die-casting and press lamination facilities in the country. Our team of 450 passionate employees is dedicated to delivering electrical laminations with unmatched engineering expertise.



Progressive approach  
for High speed  
machines (60T to  
550T HSP) machines



One of the largest  
die-casting  
machinery in the  
country (75T - 630T)



One of the largest press  
lamination in the  
country (40T - 400T)



Manufactured  
Products



# PRODUCTION DEPTH

## PERFECTING THE PROCESS FOR YOUR PRODUCTS

As a leader in electrical laminations since its establishment in Bangaluru, India in 1987, Magcore has focused on developing its technical expertise in material and application technologies to improve its production performance for electrical laminations, rotor and stator packs. By continually optimizing its production processes, Magcore ensures that its machines correspond with the latest technologies.

At Magcore, consistent quality controls are incorporated at every stage of the process chain using standardised test equipments and state-of-the-art automated measurement technology to assure the highest product quality. We have invested in state-of-the-art material cutting and slitting equipment that delivers the highest standards of dimensional and accuracy and precision.

Magcore's optimally coordinated processes enable the company to meet individual specifications flexibly, cost-efficiently, and the highest level of quality.

We believe that progressive thinking is crucial to the success of our customers and our company. Our journey towards achieving the desired product begins with an individual consultation, where we provide expert advice on the field of application, implementation, and dimensioning of electric motors. We understand that our customers may have unique needs and requirements, which is why we offer a wide range of services throughout the project. Our team is equipped to carry out various tasks on request, including single notching or punching in progressive dies. Additionally, we can perform further processing steps such as copper and aluminum die-casting.



Precisely manufactured laminations



Notching production



Test equipment for quality control



Cutting & slitting equipment

# TECHNOLOGIES AND PROCEDURES

## MODERN TECHNOLOGIES FOR ENHANCED CAPABILITIES



At our facility, we take pride in our advanced conventional press machinery, which boasts an impressive capacity of up to 400 tons. Our press shop is equipped with the latest servo feeder mechanism, enabling us to produce DIA of up to 1300 mm in a single blow blanking. We specialize in gang slotting operations, producing stampings up to 800 mm in diameter in a single blow. Additionally, our segmental lamination manufacturing and notching process can create stampings up to 1200 mm in size, making us a one-stop-shop for all your stamping needs.

When it comes to achieving high production rates, we rely on our high-speed manufacturing line. Our HD350 Ton high-speed line, in particular, boasts an impressive speed range of 120 - 400 SPM. With the use of progressive tools, we can produce complex laminations with ease, ensuring high quality and minimal waste.

While we excel in all areas of stamping, our Notching process truly sets us apart. Our cutting-edge notching machines produce laminations up to 1300 mm in DIA including skip notching. We use only servo-driven notching machines, ensuring unmatched accuracy and consistency in every lamination we manufacture.



Our commitment to precision extends to every step of the manufacturing process, including cleating and welding. Our hydraulic presses have capacity ranging from 40 to 300 tons, equipped with a roller fixture facility that enables us to cleat stator stacks up to a core height of 1000 mm and 950 mm in DIA. We offer TIG and MIG welding processes, executed with the utmost precision by our skilled welders, resulting in high quality products which are ready to perform at the highest potential.

Whether you require high-volume production or customized solutions, we have the expertise and equipments to handle even the most challenging projects. With our team of skilled professionals and extensive quality assured processes, you can trust that every lamination we produce meets or exceed customer expectations.



Welding Process



High-speed lines equipped with auto-stitching and auto-skewing capabilities



State-of-the-art servo-driven notching machines



Cleating Process



Special and custom made geometrical slot profile Manufacturing capabilities

# TOOL ROOM

## PRECISION TOOLS FOR GAME-CHANGING IDEAS

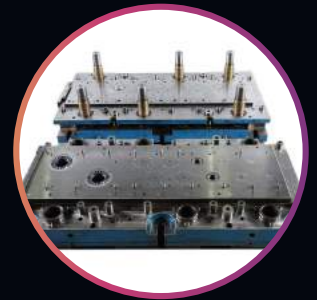
At Magcore, we hold ourselves to the highest standards when it comes to the quality of our products and services. Our commitment to quality is evident in our Tool and Mould department, where we manufacture punching tools and die-casting moulds individually to ensure the utmost precision and accuracy.

By producing our tools and moulds in-house, we are able to closely monitor every step of the manufacturing process, ensuring that each component meets our rigorous standards. Our tools and moulds not only achieve the highest level of quality, but they also feature close tolerances, resulting in superior performance and longer lifespan.

We offer a comprehensive range of services in tool and mould making, including technical consultation, development, construction and manufacturing. Our team of experts uses the latest production and design technologies using software and stimulation techniques to ensure that our tools and moulds are at the cutting edge of the industry.

Our many years of expertise combined with state-of-the-art technical facilities means that we are also able to implement even the most complex and unusual geometrical requirements.

At our in-house tool making facility, we are using special grinding machines capable of re-sharpening tools with a length of up to 3000mm and a width of 1000mm, while still maintaining a high level of accuracy.



Progressive Tools



Equipped with design software and stimulation techniques



Special grinding machines can re-sharpen tools up to 3000mm X 1000mm



# ROTOR DIE – CASTING PROCESS

## INCREASING THE EFFICIENCY OF ASYNCHRONOUS MOTORS



At our state-of-the-art manufacturing facility, we specialize in rotor pressure die castings using a variety of materials including aluminium, LM series (aluminum alloy), and copper. Our versatile range machinery includes both vertical and horizontal pressure die castings machines, each offering unique capabilities to meet the varying needs of our customers.

For larger rotors, our 630-tons vertical pressure die casting machine is the ideal choice and this is unique facility in the country, capable of producing rotors up to 600mm in DIA up to 1200mm in length. The maximum weight of molten aluminum we can inject is 160 kgs per shot. For smaller rotors, our 75-tons vertical pressure die casting machine is the perfect solution. Additionally, we have multi-cavity horizontal pressure die casting machines that are specifically designed to produce tiny sized rotors, making them perfect for use in electrical and white goods industry. We are capable of manufacturing and supplying die-cast rotor with shaft insertion.



Our maximum capacity for molten aluminum per shot is 160 kgs



630 Tons vertical pressure die-casting machine



Die-Casted Rotor with shaft insertion



Rotors with a DIA of up to 600mm and length of up to 1200mm

# INDUSTRIES

## PRACTICAL SOLUTIONS FOR A WIDE RANGE OF APPLICATIONS

Magcore is a leading manufacturer of electrical stampings and laminations for various industries including automotive, industrial motors, electrical vehicle, pumps, household appliances and many more. Our ultra-modern technologies ensure high-quality products that are efficient, compact, and easy to handle during processing, making us a trusted partner for all your electric motor and generator needs.

We are dedicated to our customers. We stay up-to-date with the latest market developments and technical possibilities in order to provide the best possible solutions. Our core competencies in electrical laminations enable us to offer a comprehensive range of products and services for highly efficient industrial motors and generators. By combining technical expertise with exceptional customer service, we help our clients stay ahead of the curve in a constantly evolving market.



**We are trusted by**

**ABB**

**Nidec**



Crompton  
Greaves

**SIEMENS**



# GREENOVATION GUARANTEED

We are a highly committed eco-conscious organization that brings to the fore very stringent levels of compliances and certifications in our products, processes and services. We ethically source and manufacture products with the greatest concern for the environment.





## **Magcore Lamination India Pvt Ltd.**

📍 #111 - A , Bommasandra Industrial Area, Bangalore, India - 560099

✉ info@magcore.in | 📞 91-9845011881 | 🌐 magcore.in

🏠 91-80-41667376, 91-80-27832053