

MALAYSIA LOCATION MAP



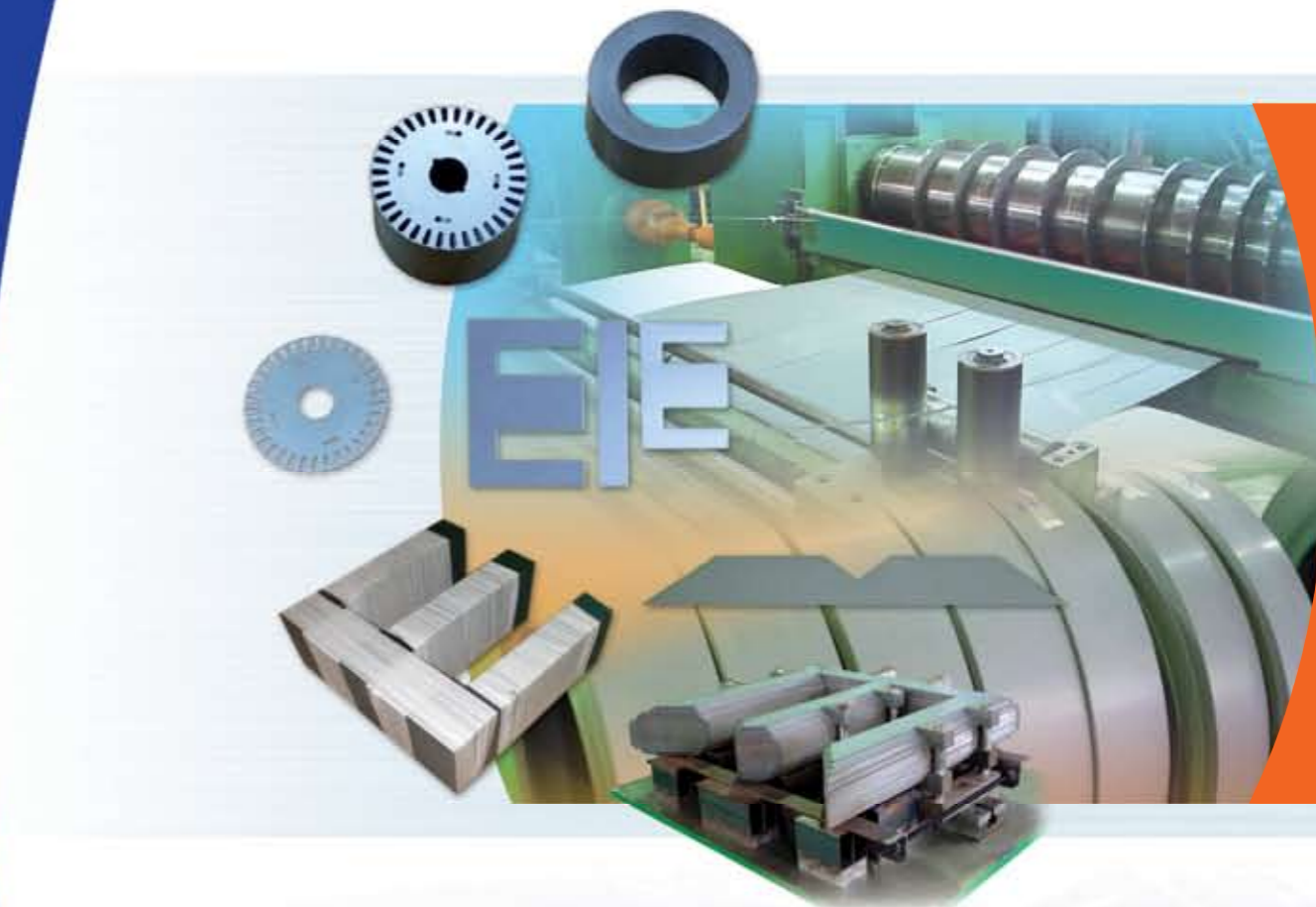
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OUR VISION

To be among the leading corporations in electrical steel-based industry and related businesses globally.

OUR MISSION

- M**aintaining a healthy and comfortable environment and secure careers to our employees;
- A**ssuring of quality products and excellent services to our customers;
- C**onsolidating of our employees to be competitive towards Malaysia's vision 2020;
- G**enerating a maximum return for our shareholders;
- L**earning of modern technology to develop advanced technology products; and
- O**bligating to provide product knowledge and their applications for our customers.

INTRODUCTION

Macglotech Steel Service Centre Sdn Bhd is a Malaysian-owned company, involved in manufacturing of transformer parts, called cores. The cores are made from Grain Oriented (GO) or Non-Grain Oriented (NGO) electrical steel (or common name called silicon steel/silicon electrical steel) of various grades that are produced by foreign mills in Taiwan, Japan, Korea, China and United Kingdom.

Core products, either in the GO or NGO category, are developed through past experience and involvement of servicing countless customers at home and abroad. They enrich modern living in vital usage of micro motor to power transformers in electrical appliances, such as ballast, all types of transformer & all types of motor.

Macglotech Steel Service Centre Sdn Bhd is more focus on the Asia Pacific region business. Our core products have been distributed to domestic market and export to countries such as India, Thailand, Indonesia, Philippines and China. We have our own in-housed Research and Development Division to fabricate the die and mould to higher end products which are capable of reducing wastages and also increase productivity such as double cavity to four cavities.

Since 2008, many new machines have been acquired to produce a wider range of cores products namely three varies kinds of cores named motor core, cut core and ring core/toroid core in order to put us in a more competitive advantage (differential focus) and also to benefit from higher profit margin with economy of scale.

Macglotech Steel Service Centre Sdn Bhd has a wholly owned subsidiary company, Macglo Steel Service Centre Sdn Bhd which is involved in sourcing of raw materials and producing slitted coils and value-added cores products manufacturing in which 14% are passed to Macglotech Steel Service Centre Sdn Bhd and the balance 86% for sale in the domestic and oversea market.



OUR QUALITY POLICY

To achieve total quality service by harnessing every employee's commitment towards providing customer satisfaction.

Committed to manage and where practical, mitigate the significant environmental aspects and impacts by preventing pollution to the air, water and land.

Committed to comply to environmental legal and other requirements.

To constantly seek new ways of enhancing the quality of the products and application ahead of customers' need, backed by most modern and technologically advanced production process.

Consistently upgrading our facilities and processes for increase our competitiveness and productivity in meeting with global standards and challenge.

To continually improve our Human Resources Development program for the organization personnel to increase in skills, knowledge and morale in performing their task.

To continually improve our environmental performance by constantly achieving and reviewing our environmental objectives and targets.

To maintain and sustain our QMS and EMS Quality and Environmental Management System effectiveness through proper procedures, careful planning, effective implementation, constant monitoring and evaluation.

We have been given ISO9001:2008 and ISO14001:2004 certifications which effectively always maintained our products and services quality excellent to our customers. It is also compliance with ROHS directive.



OUTLINE OF THE COMPANY

| | |
|-------------------|---|
| Company Area: | 2.68 Hectares |
| Factory Area: | 12,000m ² |
| Office Area: | 776m ² |
| Group Activities: | <ol style="list-style-type: none"> 1) SLITTING & SHEARING SERVICE – Silicon Electrical Steel, Cold Rolled Steel, Galvanized Iron Steel, Electro Galvanized steel, Tin Plate, Aluminium etc. 2) SLITTING – Grain Oriented Electrical Steel and Non-Grain Oriented Electrical Steel. 3) PUNCHING & ANNEALING – EI Cores, UT Cores, Motor Cores, Toroid Cores, Ring Cores & Toroid Cores. 4) CUTTING - Grain Oriented Electrical Steel, Cut Cores, C Cores, Yoke Sheet, Step-Lap Sheet, Stacking Logs. |

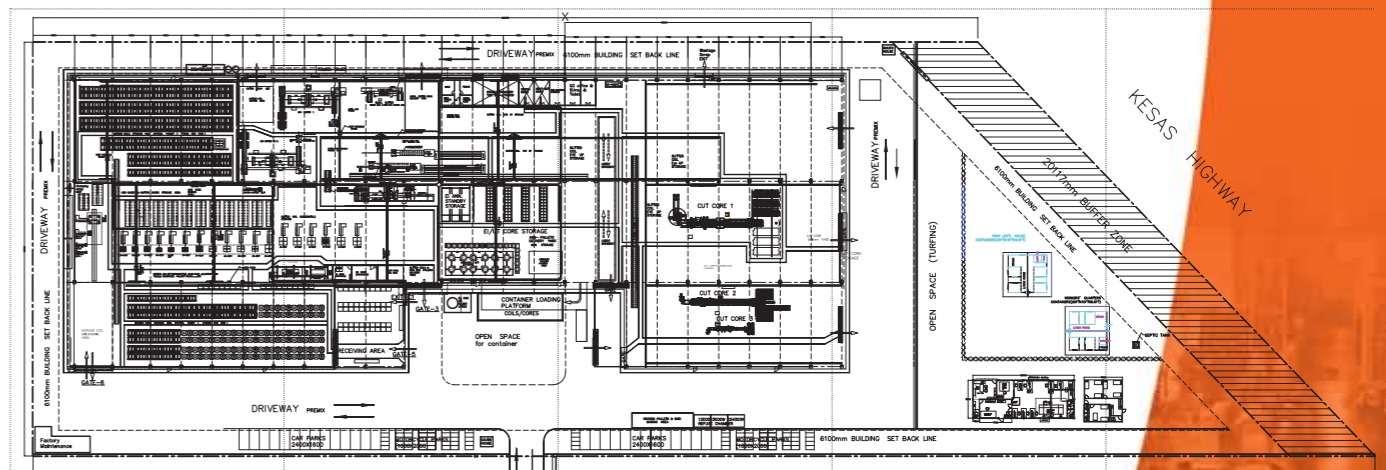
FACTORY LAYOUT



SLITTING & SHEARING SERVICE



SLITTING



PUNCHING & ANNEALING



CUTTING

OUR FACTORY IN CHINA

Huizhou Macglotech Precision Industries Ltd. was incorporated in 2005, its wholly-owned by Macglotech Steel Service Centre Sdn. Bhd.- Malaysia. The company had been involved in develop and manufacture of various cores, EI Lamination, slitting, for electronic transformer located in Huizhou, China. A total investment of USD2.9million, with a total built up of 10390m² and with a annual production capacity around 12000 tons. The company's facilities are: Slitter 1 unit, Stamping machine 7 units, Annealing furnace 4 units & Grinding machine 2 units.

The company has been accredited the ISO9001:2008 and ISO14001:2004 certified by SGS United Kingdom, it's also compliance with ROHS directive. This is testimony of our commitment in supplying not only quality products and also environmental friendly products to our customers.



AVAILABLE CORE SIZES

| | | | | | |
|--------------|--------------|------------|----------|-------------|--------------|
| EI-14 | EI-16 | EI-18 | EI-19 | EI-24 | EI-28 NH |
| EI-35 NH | EI-41 NH,S | EI-48 NH | EI-48 G | EI-57 NH | EI-66 NH,H,S |
| EI-76.2 NH,H | EI-85.8 NH,H | EI-96 NH,H | EI-105 H | EI-114 NH,H | EI-133.2 H |



MACHINERIES IN CHINA

| SECTION | TYPE | CAPACITY | QTY | |
|-------------------|------------------------|----------------|---------|---|
| PRESS | 50 TON PRESS | 1000 TON/MONTH | 1 | |
| | 45 TON PRESS | | 2 | |
| | 35 TON PRESS | | 1 | |
| | 25 TON PRESS | | 2 | |
| ANNEALING | BATCH ANNEALING | 500 TON/MONTH | 4 | |
| FACILITIES | OVERHEAD CRANE | 5 TON | 3 | |
| | OVERHEAD CRANE | | 15 TON | 1 |
| | REACHTRUCK | | 1.8 TON | 1 |
| | FORKLIFT | | 3 TON | 3 |
| MAINTENANCE | BIG SURFACE GRINDER | 600mm X 300mm | 1 | |
| QUALITY CONTROL | BOBBIN TESTER | | 1 | |
| | CURRENT & SOKEN TESTER | | 2 | |
| BIG SLITTER | 1200mm | 1500 TON/MONTH | 1 | |
| CORE CUTTING LINE | 35mm - 300mm | 250 TON/MONTH | 2 | |
| RING CORE | | | 1 | |
| MAINTENANCE | CYLINDER GRINDER | 750mm X 350mm | 1 | |

MACHINERY & EQUIPMENTS

MALAYSIA FACTORY FACILITIES

| SECTION | TYPE | CAPACITY | QTY |
|-------------------------------|---------------------------|-------------------|---------------|
| SLITTING | BIG SLITTER NO. 1 | 3000 MT / MTH | 1 |
| | BIG SLITTER NO. 2 | 3000 MT / MTH | 1 |
| | SMALL SLITTER NO. 1 | 250 MT / MTH | 1 |
| CUT TO LENGTH | MINI SHEAR LEVELER | 400 MT / MTH | 1 |
| | SUPER CUTTER | 40 MT / MTH | 2 |
| CORE CUTTING LINE | 1000 mm | 500 TON / MONTH | 1 |
| | 640 mm | 350 TON / MONTH | 1 |
| | 300 mm | 250 TON / MONTH | 1 |
| HIGH SPEED STAMPING PRESS | 25 TON PRESS | 2000 TON / MONTH | 4 |
| | 30 TON PRESS | | 2 |
| | 35 TON PRESS | | 3 |
| | 40 TON PRESS | | 1 |
| | 45 TON PRESS | | 3 |
| | 60 TON PRESS | | 2 |
| POWER PRESS (M1) MOTOR CORES | 220 TON PRESS | 250 TON / MONTH | 1 |
| ANNEALING | FURNACE | 750 TON / MONTH | 5 |
| TOROID CORE WINDING | MANUAL | 7 - 8 TON / MONTH | 2 |
| | SEMI-AUTO CUTTING MACHINE | | 600mm X 150mm |
| DIE MAINTENANCE | SURFACE GRINDER | 800mm X 400mm | 1 |
| | SURFACE GRINDER | 700mm X 400mm | 1 |
| | SURFACE GRINDER | 600mm X 300mm | 1 |
| | CYLINDRICAL GRINDER | 300mm X 330mm | 1 |
| FACILITIES | OVERHEAD CRANE | 16 | 1 |
| | OVERHEAD CRANE | 15 | 1 |
| | OVERHEAD CRANE | 10 TON | 4 |
| | OVERHEAD CRANE | 5 TON | 2 |
| | GANTRY CRANE | 5 TON | 2 |
| | REACH TRUCK NO.1 | 1 TON | 1 |
| | REACH TRUCK NO.2 | 2 TON | 1 |
| | FORKLIFT NO. 1 | 2.5 TON | 1 |
| | FORKLIFT NO. 2 | 3.5 TON | 1 |
| | LABORATORY | SOKEN TESTER | |
| BOBBIN TESTER | | | 1 |
| CURRENT TESTER | | | 1 |
| SINGLE SHEET IRON LOSS TESTER | | | 1 |
| FRANKLIN TESTER | | | 1 |

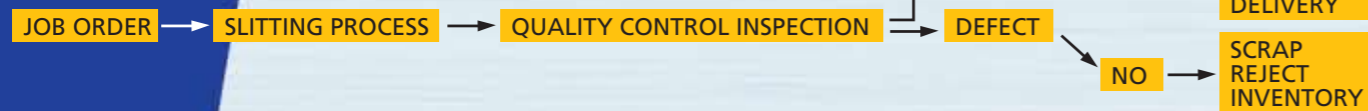
TEN PRECISION FACILITIES

| SECTION | TYPE | CAPACITY | QTY |
|---------------------|--------------------|----------------|-----|
| DIE MAKING, TOOLING | WIRE CUT MACHINE | 400mm X 200mm | 1 |
| | MANUAL MILLING M/C | 500mm X 150mm | 3 |
| | CNC - MILLING | 2000mm x 900mm | 1 |
| | SURFACE GRINDER 1 | 500mm X 150mm | 1 |
| | SURFACE GRINDER 2 | 900mm x 400mm | 1 |
| | SURFACE GRINDER 3 | 300mm x 100mm | 1 |
| | QC HEIGHT GAUGE | 0 to 300mm | 1 |



SLITTING

Electrical Steel Slitting is our expertise. We slit Grain Oriented Steel and Non Grain Oriented Steel with high quality precision Tungsten Carbide Slitter knives. High quality SKD and SKH slitter knives are used for other material such as Electro Galvanized steel, Galvanized Iron Steel, Cold Rolled Steel, Color Coil, Stainless Steel, Aluminium steel and Tin Plate etc. Our experienced slitting crew members are committed to provide high quality and fast delivery to our customer.



SERVICING PROCESS PROVIDE FOR SLITTING AND SHEARING MATERIAL AVAILABLE

| Material | Thickness Available |
|----------------------------------|---------------------|
| Electro | 0.20mm ~ 2.00mm |
| Galvanized Iron Steel | 0.20mm ~ 2.00mm |
| Cold Rolled Steel | 0.20mm ~ 2.00mm |
| Prepainted Galvanized Iron Steel | 0.20mm ~ 2.00mm |
| Aluminium Steel | 0.20mm ~ 2.50mm |
| Stainless Steel | 0.20mm ~ 2.50mm |
| Tin Plate | 0.20mm ~ 2.00mm |
| Mild Steel Picker & Oil | 0.60mm ~ 1.60mm |



CUTTING & SHEARING

Our automatic cutting & shearing machine are geared to customers' required sizes. The accurate sheared & cut sheets provide customers with high productivity and less wastage.



SPECIFICATION OF SHEARING AND CUTTING LINES

| M/C | TYPE | MATERIAL SPECIFICATIONS | | | | | PRODUCTION SPECIFICATIONS | |
|------------|--------------------|-------------------------|---------|----------------|------------|--------------|---------------------------|-------------|
| | | ID (mm) | OD (mm) | THICKNESS (mm) | WIDTH (mm) | WEIGHT (TON) | WIDTH (mm) | LENGTH (mm) |
| MSL SPC | MINI SHEAR LEVELER | 508 | 1300 | 0.2 ~ 2.0 | 720 | 5 | 100 ~ 720 | 300 ~ 2000 |
| | SUPER CUTTER | 508 | 800 | 0.23 ~ 0.5 | 190 | 1 | 20 ~ 190 | 50 ~ 1000 |

MACHINE SPECIFICATION

| ITEM | Machine - 1 | Machine - 2 | Machine - 3 |
|------------------------------------|------------------------------|-------------|-------------|
| Material to be processed | Electric steel sheet in coil | | |
| Thickness of sheet | 0.23 to 0.35 mm | | |
| Width of sheet (mm) | 100-1000 | 70-640 | 40-300 |
| Angular position accuracy of shear | 0.05 degree | | |
| Cutting length | Min. Length (mm) | 450 | 300 |
| | Max. Length (mm) | 5000 | 3500 |
| Cutting type | Step lap | | |
| | Weight of coil (MT) | 5.0 | 3.0 |
| Loading per Core Car (MT) | 10.0 | 5.0 | 1.0 |
| Cutting capacity per month (MT) | 500 | 350 | 250 |

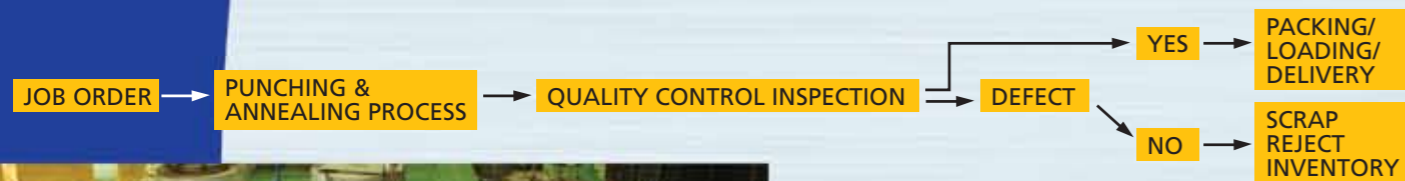


PUNCHING & ANNEALING

The production of any configuration of EI Cores, UT Cores, Motor Cores, Ring core, Toroid core and other laminations are made possible with our sophisticated high-speed automatic presses, which can reach up to a maximum of 600 S.P.M. and 15 pieces per second. Our precision high-speed automatic presses range from 25 to 220 tones. We have also invested in high-tech Batch Annealing (BA) that ensures all our products are of the highest quality for today's sophisticated Industries.

AVAILABLE CORE SIZES

| | | | | | |
|-----------|-----------------|-------------------|-------------------|---------------|--------------|
| EI-19 NH | EE- 19 NH | EI- 24 NH | EI- 28 NH | UU- 29 NH | EE- 32.5 NH |
| EI- 35 NH | UT-40 | UU- 40 | TT-40 | EI- 41 NH,NHG | EI- 48 NH |
| EI- 54 NH | EE- 57 NH | EI- 57 NH,S | EI- 57 NHG,H | EI- 60 NH | EI- 66 NH,HG |
| EI- 68 VG | EE- 72 NH | EI- 76.2 NH,NHG,S | EI- 85.8 NH,NHG,H | EI- 90 NH,EH | EI- 87 VG |
| I- 96 NH | EI- 96 NH,NHG,H | EI- 105 NH,EH,H | EI- 111 H | EI- 114 H | EI- 114.3 H |
| EI- 115 H | EI- 133.2 H | EI- 150 H | EI- 152 H | EI- 152.4 H | EI- 175 H |
| EI- 181 H | EI- 200 H | EI- 225 H | EI- 228 H | EI- 265H | EI- 305 H |



TOROID CORE & MOTOR CORE

SERVICING PROCESS PROVIDE FOR TOROID CORE (RING CORE)

| Available Size | Minimum | Maximum |
|---------------------|---------|---------|
| Inner-Diameter | 21 mm | 225 mm |
| Outer-diameter | 61 mm | 180 mm |
| Height (Coil Width) | 13 mm | 100 mm |
| Thickness | 0.23 mm | 0.50 mm |



DIE DESIGNING, MAKING & MAINTENANCE

Our high-precision dies are capable of producing high-precision cores to any specification. To maintain precision manufacturing and to meet stringent international requirements such as the Japan International Standards (JIS), the maintenance of die is very important. Therefore, we constantly monitor our dies to ensure the quality of our finished products. With our experienced and well trained technical staff, we design, make, assemble and maintenance high quality die-set in response to the every needs of our customer at all times.



QUALITY CONTROL, QUALITY PLAN & LAB

Our high quality products are on par with international standards as they are subjected to the most stringent technical requirement.

We also invest in a dynamic and highly skilled workforce.

Our personnel are specialists in their respective tasks which require precision and speed. And by ensuring strict quality control in every aspect of our manufacturing and finishing processes, we are able to deliver products of superior quality constantly. Our range of testers are Soken Tester, Bobbin Tester, Current Tester, Single Sheet Iron Loss Tester and Franklin Tester.



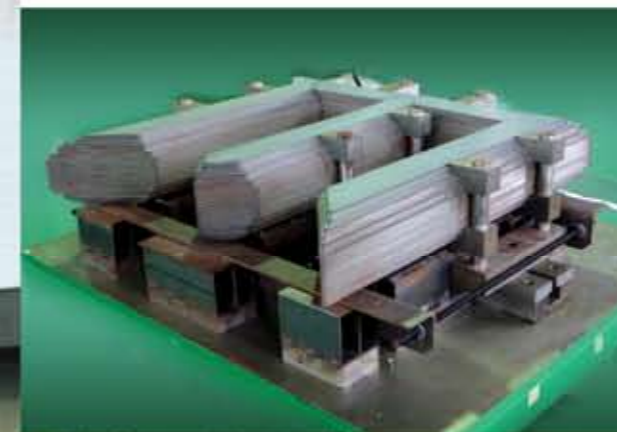
PACKING & DELIVERY

Our manufacturing excellence is extended into post-manufacturing and other support such as administration. And by streamlining all packing and delivery operations with a fully integrated computer system, we reduce mishandling and ensure on time delivery.



OUR PRODUCTS

- Silicon Electrical steel strip in coil.
- Grain Oriented Electrical Steel, Cut cores, C cores, Yoke sheet, Step-Lap Sheet, Stacking Logs and Build core.
- EI core and UT core.
- Ring cores, Toroid Cores and Motor Cores.
- Macglo also enter new business sector - Building Integrated Photovoltaic Modules (BIPV), solar PV to produce electricity under the initiative by the government to promote generate green energy.



KERJA KERJA KEJURUTERAAN
MACGLOTECH STEEL SERVICE CENTRE SDN BH

