

# STAMPINGS METAL



**BAN NGAI COMPONENTS SDN. BHD.**  
**BAN NGAI ENGINEERING (THAILAND) LTD.**



# COMPANY PROFILE

Established in 1965, we are a turnkey metal components and sub-assembly supplier that is able to assist our clients from the development of a component, design & fabrication of the tool & die right through to the mass production of the final sub-assembly.

We are headquartered on a 3 acre industrial site in Klang, Selangor, Malaysia, approximately 10km away from Port Klang and 40km from Kuala Lumpur . Our manufacturing, central warehousing and office operations are based at this location while we have two branch offices at the North (Penang) and South (Johor) of Malaysia as well as a factory, warehouse & office in Samut Prakarn, Thailand to cater to our fast growing clientele there.

A dedicated team of 330 persons serve over 5000 customers from SME's (Small Medium Enterprises) right up to MNC's(Multi National Companies) from Malaysia to Europe.

## **Our capabilities include:**

- Autocad Engineering.
- Hydraulic and Mechanical Auto Stamping up to 350 tons capacity.
- Spot, Argon, CO2, Arco and TIG Welding.
- Riveting, Tapping, Drilling, Milling, Machining, Shearing, Bending, etc.
- CED Coating, Electroplating, Hot Dip Galvanizing, Epoxy Powder Coating, Tin Plating, etc.

# MISSION STATEMENT



“ We are committed to become a partner vendor to our customers by providing stamped/assembled metal based components and assemblies and precision tools & dies always on time and in line with their requirements. We shall achieve this through building a dynamic, progressive and successful company with an inspired team of human capital and excellent infrastructure. ”

# METAL STAMPING & SUB-ASSEMBLY

Ban Ngai Components Sdn Bhd stamp virtually any material from ferrous steel like cold and hot rolled, spring, stainless, aluminized, coated steels to non ferrous metal such as aluminium, copper, tin and more.

Our current range of components range from electronic connectors with tolerances of 30 microns, 0.1mm thick components right through to press forged 12.0mm rods and 16.0mm thick components.

We perform secondary operations such as spot welding, press riveting, robotic argon & CO<sub>2</sub> welding to join metal to other materials like plastic, rubber, foam, glass wool etc.

Besides our strong technical capabilities, our capable operations team ensure that our production and delivery schedule are based on a JIT (Just In Time) system to maximize efficiency and cost effectiveness.



Automotive Air-Conditioner Components



Automotive Exhaust Components



Electronic Components



Canning / Tinning Components



Automotive Steering Components



Castor Wheels

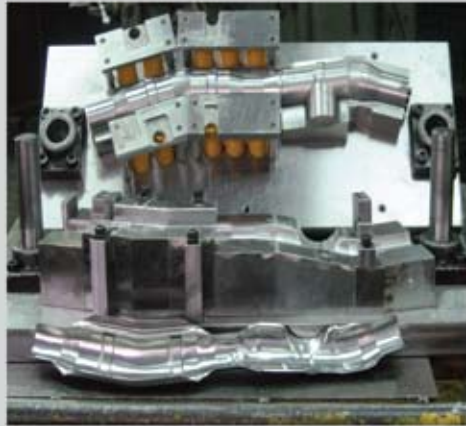


Motorcycle Components



Storage / Racking System Components

# TOOL & DIE DESIGN & FABRICATION



Compound mould

Our highly experienced team of Tool & Die Designers and Fabricators has produced simple compound moulds to multi-station progressive dies.

Starting with a thorough review of your print specifications and finishing with a preproduction run at our facility, we strive to supply a production ready die that is quality capable, efficient, safe and easily maintained every time.



Multi-station progressive die



Deep drawing die

Toolings are fabricated and maintained by our in house engineering team. Our toolmakers work very closely with our production department, are immediately on the scene for all adjustments and are well versed on what does and doesn't work in a real stamping operation.

# PRODUCTION FACILITIES



110 Tons Power Press



200 Tons Automatic Power Press



160 Tons Power Press



Hydraulic Press Brake 160 tons



ABB CO<sub>2</sub> Robot Welding Arm



Panasonic Argon Welding Robot Arm



Spot Welding Machine



350 Tons Hydraulic Press

## MACHINERY LISTING

No.	Machine/ Equipment Name	Tonnage	Qty
1	Power Press Machine	160 - 350 Tons	6 units
2	Power Press Machine	60- 110 Tons	15 units
3	Power Press Machine	5 - 40 Tons	17 units
4	Panasonic Argon Welding Robot Arm		1 unit
5	ABB CO <sub>2</sub> Welding Robot Arm		3 units
6	Spot Welding Machine		14 units
7	Argon & MIG Welding Machine		57 units
8	Others (Press Brake, Shearing, Milling, Drilling, Surface Grinding, Lathe, Power Saw, Tapping and etc.)		53 units

# QUALITY CONTROL

## QUALITY POLICY

" We manufacture stamped metal parts and design and fabricate precision tools & dies. We are committed to provide high quality products to our customers. It is our commitment to comply with ISO 9001:2000 and continually improve its effectiveness. We shall establish quality objectives at relevant functions in the company. This quality policy and the quality objectives shall be reviewed periodically for continuing suitability. "

Our quality philosophy filters from the top down and we place the importance of 'Quality' at all levels and processes throughout the company. Our production and quality systems satisfy the criteria of TS 16949.

We implement practices and studies such as Statistical Process Analysis, Gauge Repeatability and Reproducibility Report, Failure Mode Effect and Analysis Charts, etc. Additionally, investments in advanced quality control equipment ensure our quality commitment to our customer.



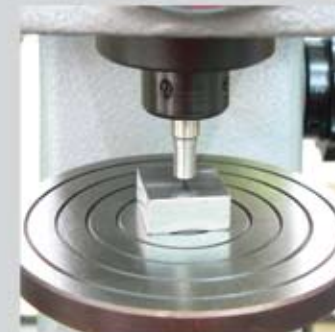
CMM



Video Measuring System



Height Gauge



Hardness Tester

