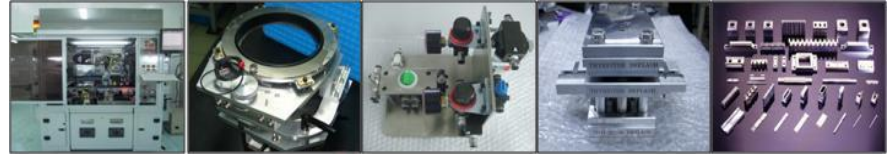


Amerix Metal Machining Technology Sdn. Bhd.

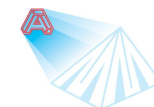
Company Profile

Prepared by : Koo SF
Verified by : Yong KS
Department : General Management
Date : 15 Jan 2019

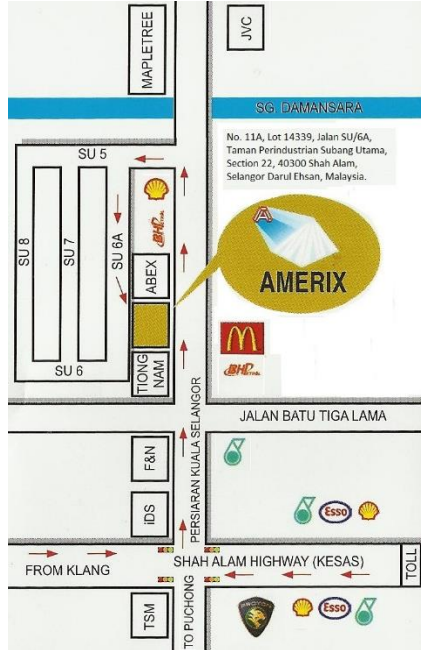
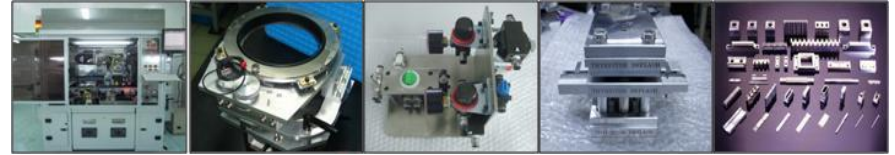
Index



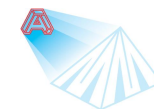
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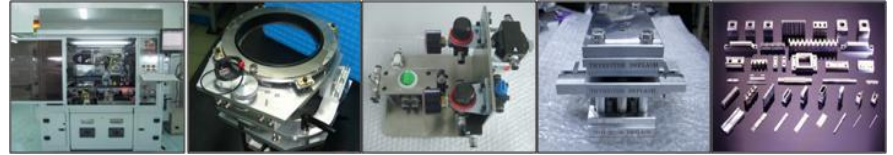
Company Information



Group Managing Director :	Mr. Yong Koi Seng
Year of Establish :	1984
Paid Up Capital :	RM 2,400,000.00
Authorized Capital :	RM 5,000,000.00
Employees :	268 person (65/35)
Accreditation :	ISO 9001:2015
Nature of Business :	Fabricating of High precision parts in various industry.
Facility info :	6669.12 sqm (Land) 3520.00 sqm (Production) 809.00 sqm (Office)
Location :	45 Min from KLIA



Global Presence



Global Presence

Northern Malaysia:

- Amerix Tooling Sdn Bhd, Ipoh

Central Malaysia

- Headquarter
Amerix Metal Machining Technology sdn bhd
- CNC Metal Machining Sdn Bhd, Kota Kemuning

Southern Malaysia

- NS Amerix Sdn Bhd, Seremban

Amerix Huizhou, Southern China

Headquarter Manufacturing Plant, Shah Alam

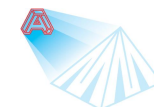


Commitment to Customer

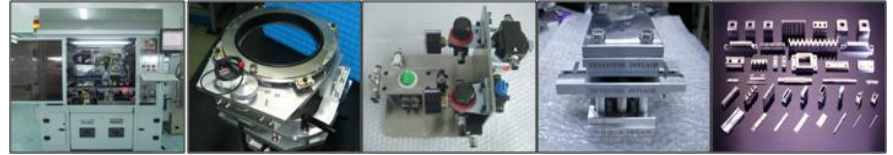


Adopting QCDTS concept as defined

- ❑ **Q**uality – perfection mindset in total value chain to meet or exceed customer expectations
- ❑ **C**ost – competitive pricing with total cost of ownership
- ❑ **D**elivery – timely delivery
- ❑ **T**echnology – up to date with the state of art precision equipment complemented by integrated manufacturing concept
- ❑ **S**ervice & **S**ecured **S**upply – efficient accessibility with quick respond mindset and uninterrupted supply through multiple site



Production Facility

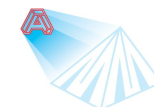


Amerix have a wide array of machinery, ranging from conventional milling machine to state of art CNC Wire EDM machine, CNC profile grinding machine, CNC cylinder grinding machine and CNC Jig Grinding machine as below:

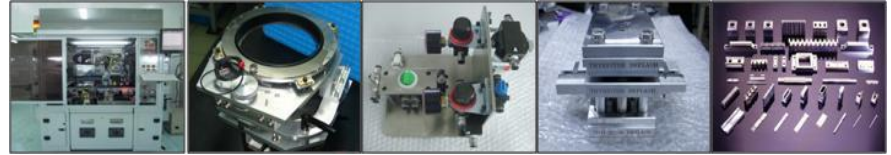
- 182 unit (Headquarter)
- 120 unit (Malaysia subsidiary company)
- 75 unit (Huizhou, China)

The company also equipped with the latest Cad-cam software

- Solidworks
- Master Cam 5-axis
- Cimatron Master Solution



CNC Fabrication Eqp list

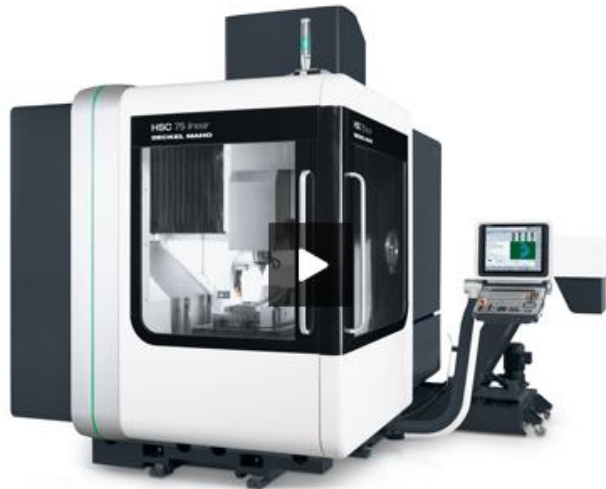
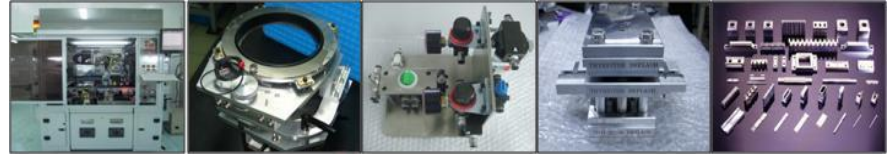


Type of Machinery	Accuracy	# of Units
CNC Milling (5-Axis)		
DMG	5 µm	2
MIKRON	3 µm	4
Tongtai	5 µm	1
CNC Milling (3-Axis)		
HARDINGE	5 µm	16
YCM. Bridgeport.	5 µm	3 + 2
Sodick	3 µm	2
MIKRON	3 µm	3
CNC Lathe		
Colchester YCM.	5 µm	2 + 1
CNC Cylindrical Grinding		
KELLENBERGER	2 µm	1
CNC Pin Grinding		
ROLLOMATIC	2 µm	3

Type of Machinery	Accuracy	# of Units
CNC Profile Grinding		
WAIDA	2 µm	2
TECNO WASINO	2 µm	1
CNC Surface Grinding		
TECNO WASINO	2 µm	6
Surface Grinding		
KURODA	3 µm	20
Okamoto	3 µm	10
CNC Wire EDM		
+GF+ AgieCharmilles	3 µm	7
Seibu	3 µm	8
CNC Die Sinking		
+GF+ AgieCharmilles	3 µm	8
MAKINO	3 µm	9
Sodick	3 µm	1



High Speed 5 Axis Machine



DMG HSC 75 Linear -5 axis



DMU 60mono – 5 axis

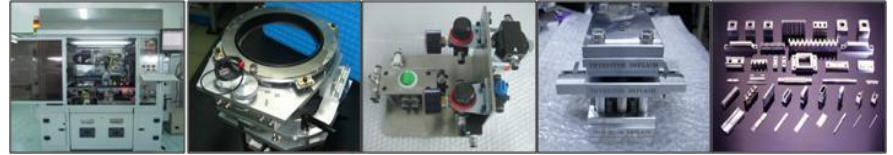


Mikron HSM400ULP – 5 Axis

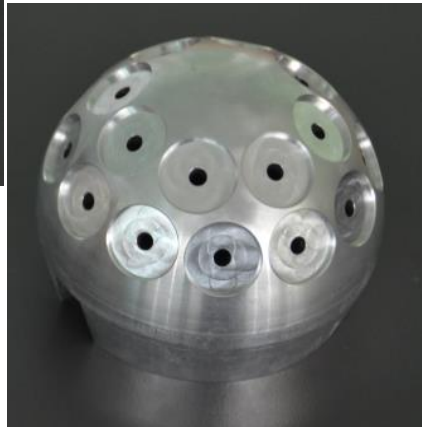


Mikron HSM 200ULP

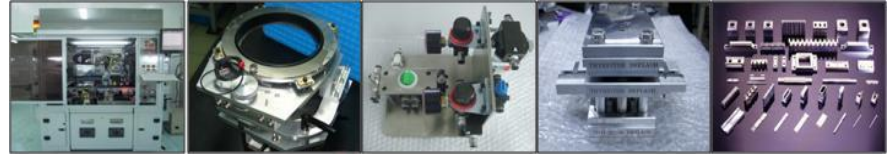
High Speed 5 Axis Machine



1. Product Accuracy : 0.005 to 0.010
2. Workpiece size : Max size 450mm x 500mm x 400mm
3. Cutter diameter : Minimum Dia 0.1mm
4. Spindle Speed : Max 30000 Rpm



Die Sinking, EDM



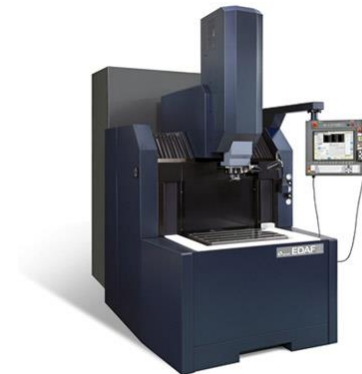
Agie Charmille 350 mS



Sodick AQ 40L Linear

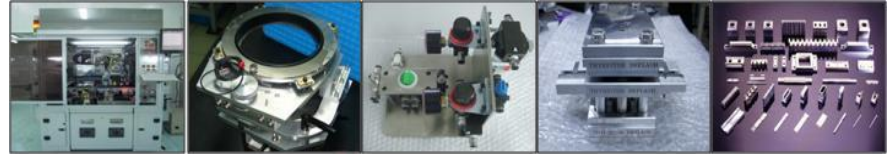


**3D Laser Engraving
Acsys Laser**

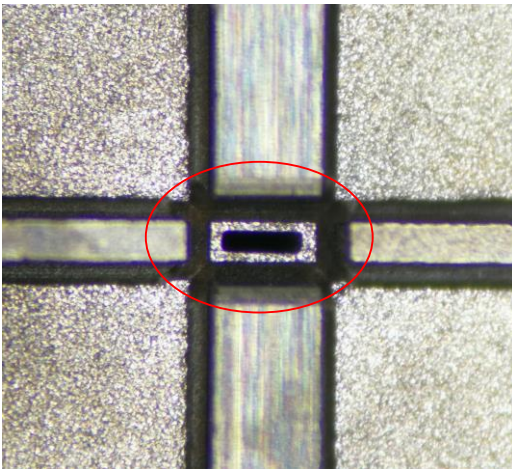
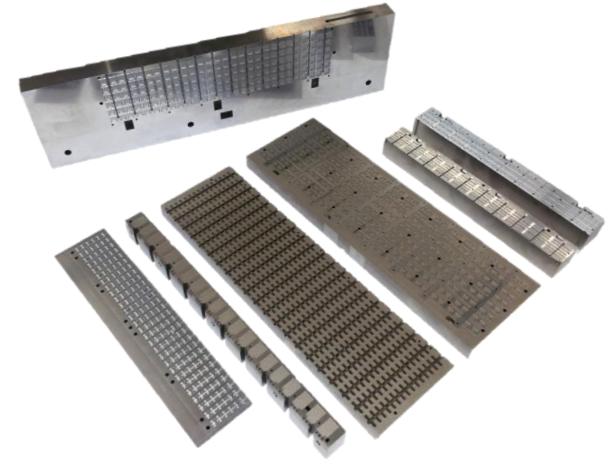


**Makino – various
model**

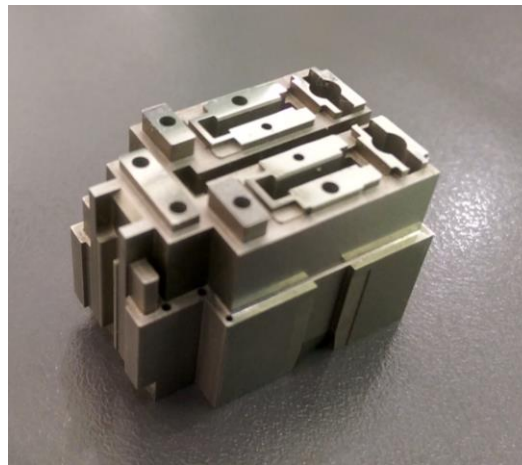
Die Sinking, EDM



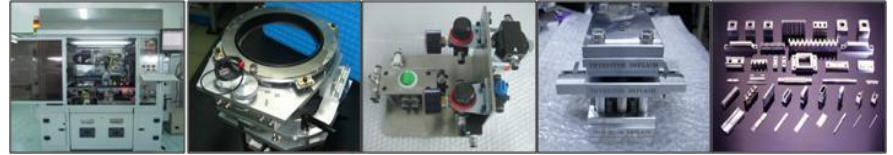
- 1. Product Accuracy : 0.005 to 0.010
- 2. EDM Surface Ra : Ra 0.1 to Ra 0.8
- 3. Fine Hole EDM : Minimum Dia 0.05mm



Pocket opening 0.12 x 0.38 by using Graphite electrode



Wire EDM



Seibu High Precision Wire Cut



Cut 1000 OilTech

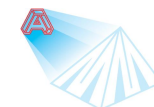
With the CUT 1000 OilTech, GF AgieCharmilles offers a machine with an inert dielectric (oil) that enables machining in tungsten carbide without loss of cobalt, and surface finish down to $Ra\ 0.03\ \mu m$ ($1.5\ \mu in$) together with impeccable corner quality.



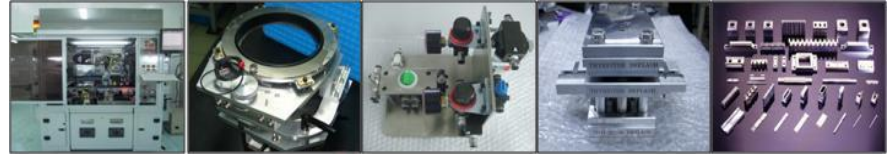
EROWA 



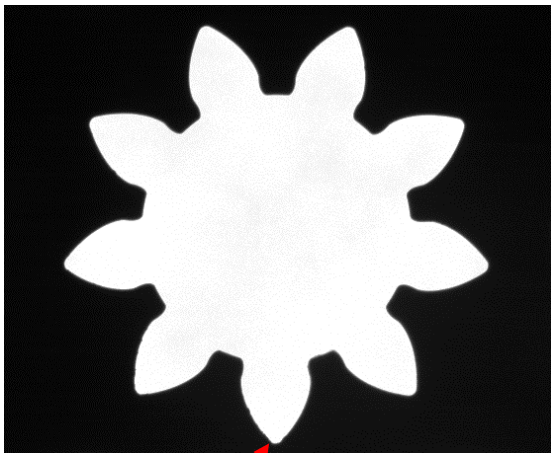
Cut 2000



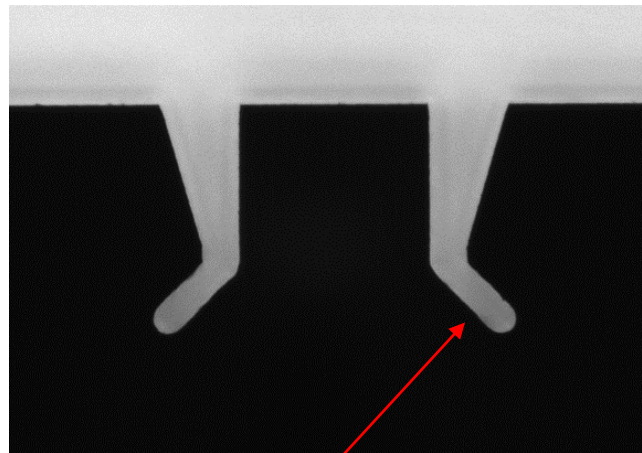
Wire EDM



1. Product Accuracy : 0.002 to 0.005
2. Surface Roughness : Ra 0.1 to Ra 0.4
3. Wire diameter : Dia 0.03mm to Dia 0.25mm

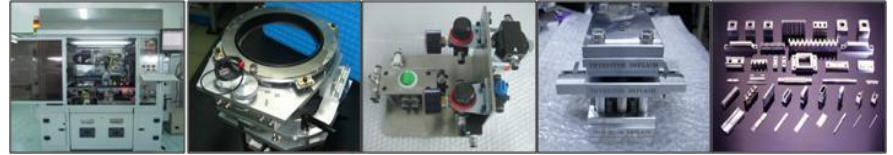


Corner radius 0.03mm
with Dia 0.05mm wire



Slot width is 0.07mm
with Dia 0.05mm wire

CNC Grinding Machine



CNC Grinding Machine



Waida Profile Grinder



Waida Profile Grinder



Wasino Profile Grinder

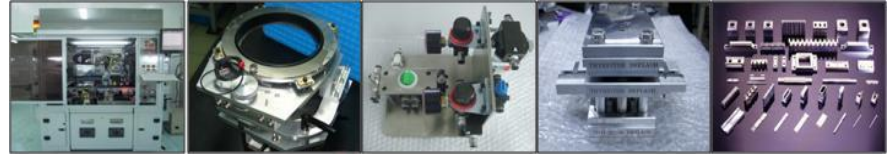


Wasino CNC Surface Grinder



Moore Jig Grinder

CNC Cylindrical Grinding



CNC Cylindrical Grinding



Rollomatic 629XS

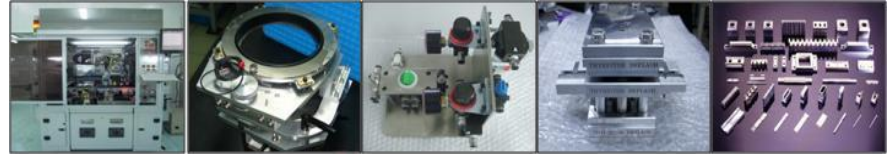


Rollomatic NP5



Kellenberger Varia 1600

CNC Cylindrical Grinding



1. Product Accuracy : 0.002
2. Diameter range : Dia 0.1mm to Dia 250mm
3. Surface roughness : Ra 0.05 to Ra 0.2



Precision round punch



Profile unround punch



Oblong Shaft



Machine Cam

Customized ERP System



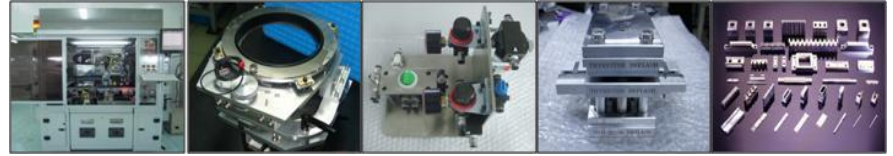
Our company has introduced Computer Integrated Manufacturing System together with Customized ERP system in order to enhance manufacturing consistency and visibility.



- It helps to shorten the cycle of manufacturing and provide real time information for improvement, while at the same time, produced repeatable quality product.
- It hence enforces the ability of comprehensive competition.

Customized ERP System

Quality Control

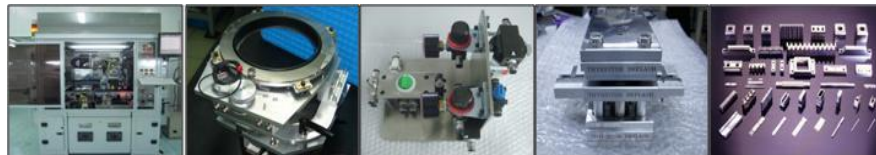


Amerix quality department is equipped with various high accuracy measuring equipment such as

- ☐ CNC CMM
- ☐ CNC Optical Scope (Smart Scope & Werth)
- ☐ Profile Projector (100X)
- ☐ Surface Roughness Tester
- ☐ Metallurgy scope – surface texture (500X)

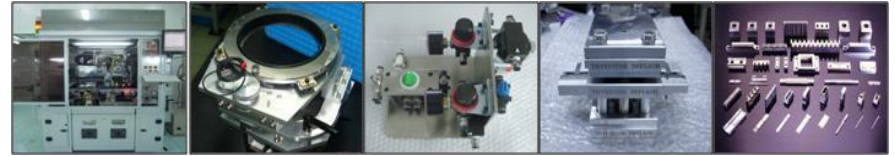
to ensure all our manufactured or assembled products meet customers' intended used and only quality parts are delivered to our customers

Quality Control

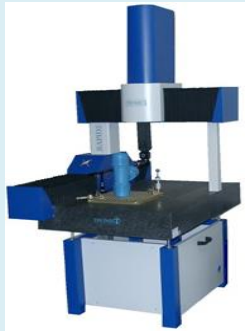


No	Type of Equipment	Accuracy (mm)	Quantity (Unit)
1	CNC CMM (Zeiss & Thome)	2μm	3
2	Manual CMM (Thome)	3μm	2
3	CNC measuring Scope (Werth & Smartscope)	2μm	2
4	Profile Projector (Mitutoyo, Starrett, Nikon)	3μm	8
5	Micro Vickers Hardness Tester	HV	2
6	Hardness Tester	HRC/HRB	2
7	Surface Roughness Tester (Mahr)	Ra, Rz, Rsm,etc	2
8	Digital Height Gauge	2μm	3
9	Erowa 2D Pre-Setter	2μm	2
10	Tool Maker Scope	2μm	2
11	Microscope	40X	20
12	Ceramic Gauge Block	00	1 set
13	Gauge Block	0	3 sets
14	Pin Gauge	0.2 – 16	3 sets
15	Surface Plate	Flatness 2μm	34

Quality Control



Measuring Equipment



CMM Machine



CMM Machine



Profile Projector



Toolmaker



Surface Tester



2D Pre-setter



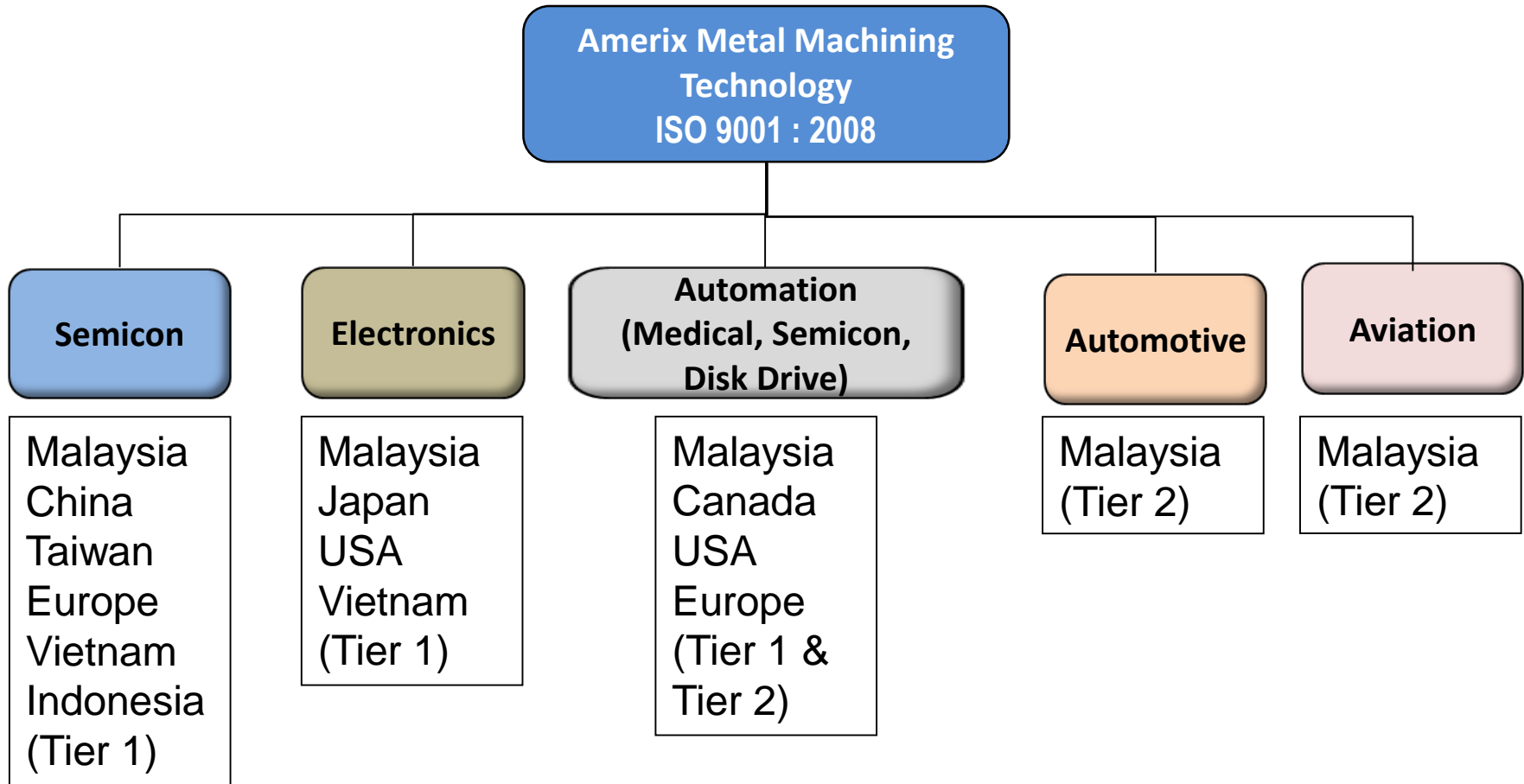
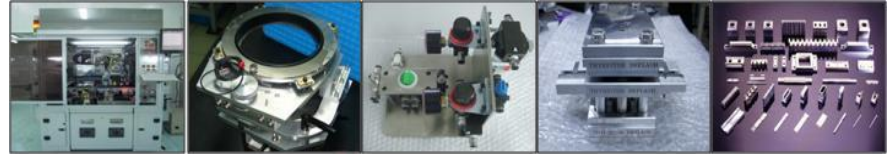
Smart Scope



Scope Check



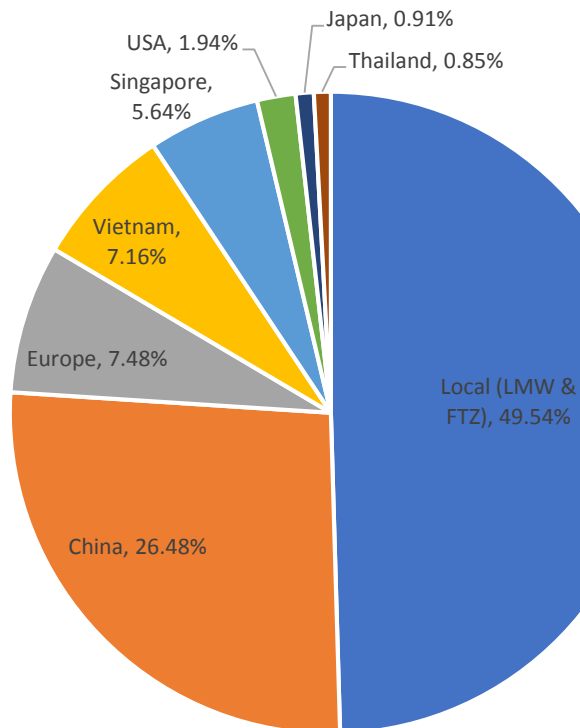
Customer – Industry Base



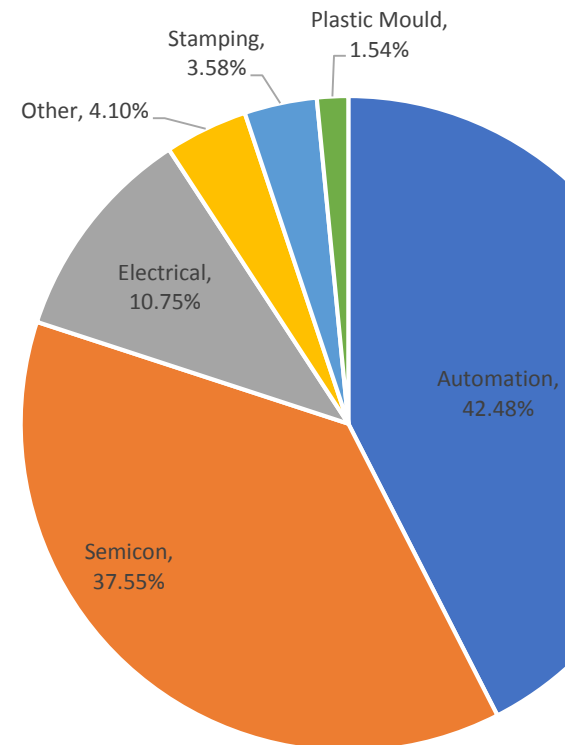
Market Segment & Distribution



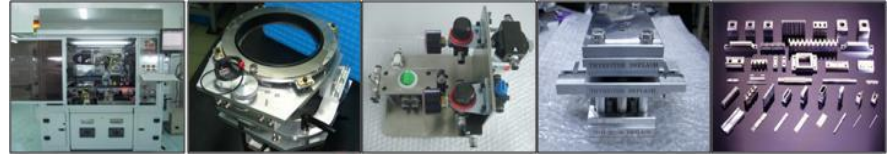
Market Distribution - Yr 2018



Market Segment - Yr 2018



Contact



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Mr Yap SK / Production

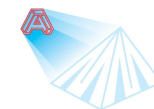
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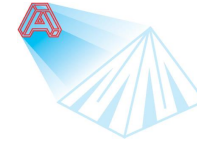
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Amerix Metal Machining
Technology Sdn. Bhd.

**The AMERIX wish to thank
you for your valuable time**
