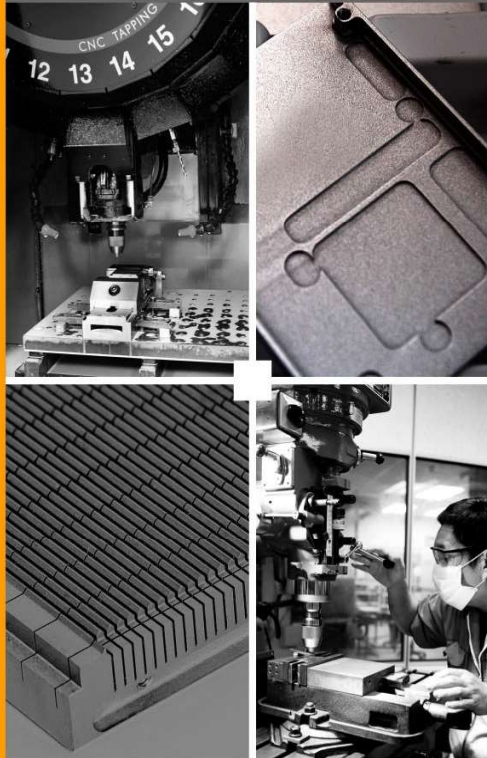


www.synactic.com.my

CORPORATE PROFILE

Synactic Technology Sdn. Bhd.
(Company No : 764654-A)

Plot 90, Lebuhraya Kampung Jawa,
11900 Bayan Lepas,
Penang, Malaysia.
Phone : +604 6468 440
Facsimile : +604 6462 440
Email : info@synactic.com.my
Website : www.synactic.com.my



BRINGING YOU THE BEST RAPID QUALITY

Precision Machining Parts • Jigs & Fixtures • Punches & Dies
Automation & Sub Module • Production Machining & Assembly

United States

Mexico

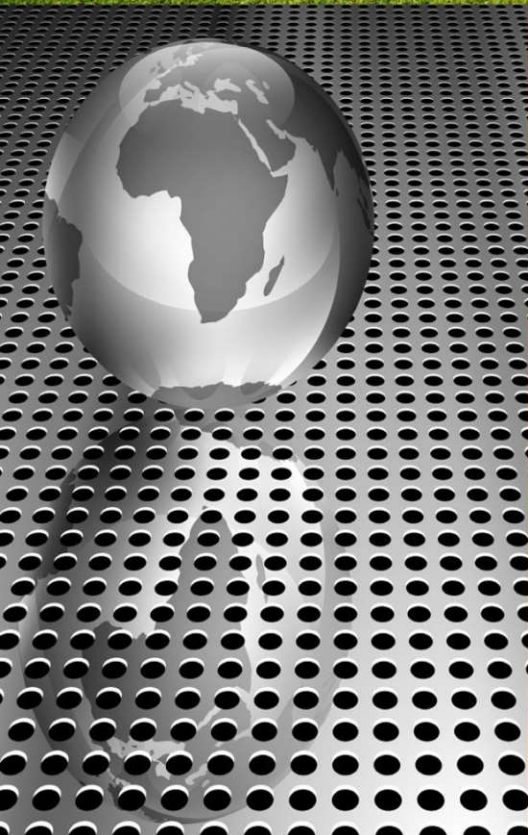
Germany

United Kingdom

Switzerland

Thailand

Malaysia



A BIT ABOUT US

But you're the important one!

SYNACTIC was formed around a group of experienced individuals in 2004 and this has grown into the cohesive team of today. We serve both local and international clients from our facility in Penang, Malaysia.

VISION

Our vision is to be the partner of choice for international clients requiring fast and reliable tooling and automation solutions.

MISSION

To provide innovative and cost effective solutions through the focused application of our experienced PEOPLE, COMMITMENT to quality work and seamless EXECUTION.



VISION

To be an international recognized company in high precision machining components with technical solutions and expertise support.

MISSION

To Provide Excellent Quality and Customer Service with Innovative Technical Solutions.

INTRODUCTION

- Established since 2004
- Paid up capital – RM1,000,000 (USD 250, 000)
- Building of total 86,000 square feet with production floor of 60,000 square feet
- 230 Employees
- 2 Shifts Productions with 8 Hours Per shift
- ISO 9001-2015 Certified
- RBA (EICC Compliance)
- Certified AS9100D

INDUSTRY EXPERIENCE

- Data Storage Industries
- Semiconductor
- Medical
- Aerospace

CORE SPECIALIZATION

- Precision Machining Components & Assembly (HMLV / LMHV)
- Precision Jigs & Fixtures
- Spare Tooling
- Extrusion + Machining
- Casting + Machining

Certificate

Management system as per
ISO 9001 : 2015/MS ISO 9001 : 2015

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

SYNACTIC TECHNOLOGY SDN BHD (200701006653)
(764654-A)
Plot 90, Lebuhraya Kampung Jawa,
Bayan Lepas Industrial Park,
11900 Bayan Lepas,
Penang, Malaysia.

operates a management system in accordance with the requirements of ISO 9001 : 2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope

Provision of Design and Manufacturing of High Precision Components, Jigs and Fixtures.

Certificate Registration No. 006 100 11023-001

Valid from 2023-08-27
Valid until 2026-08-26
Initial certification 2008



Issuance Date
2023-08-15

Certification Body at TÜV NORD (MALAYSIA) SDN BHD

TUV NORD (MALAYSIA) SDN BHD
No. 0F-1A, 9th Floor, Tower 2 @ PFCC
Jalan Puteri 1/2,
Bandar Puteri Puchong
47100 Puchong, Selangor, Malaysia



CERTIFICATE



This is to certify that



Synactic Technology Sdn Bhd
Aerospace Division

Plot 90, Lebuhraya Kampung Jawa,
11900 Bayan Lepas, Penang
Malaysia

has implemented and maintains a **Quality Management System** for its certification structure Single Site.

Scope:

Machining of High Precision Components and Assembly Process for Aerospace Applications

Through an audit, performed in compliance with EN 9104-001:2013, it was verified that the management system fulfills the requirements of the following technically equivalent standards:

EN 9100:2018

Equivalent to:

AS9100D

JIS Q 9100:2016

Certificate registration no. 50450904 AS0018D

Issue date 2023-02-04

Expiry date 2026-02-03

Date of certification 2023-01-11



DQS GmbH



Markus Blauer
Managing Director

DQS is a member of



CNC MILLING MACHINE CENTRE

- **BROTHER (Accuracy = 5µm) - 66 Units**
 Compact Size Specification - 350mm x 250mm x 550mm
 Larger Size Specification - 700mm x 400mm x 480mm
- **FANUC (Accuracy = 5µm) - 4 Units**
 Compact Size Specification - 500mm x 400mm x 330mm
- **OKK (Accuracy = 5µm) - 2 Units**
 Size Specification - 600mm x 400mm x 500mm
- **FANUC (Accuracy = 5µm) - 1 Unit**
 Size Specification - 700mm x 400mm x 400mm
- **YCM (Accuracy = 5µm) - 1 Unit**
 Size Specification - 1020mm x 520mm x 540mm
- **AWEA (Accuracy = 5µm) - 1 Unit**
 Size Specification - 500mm x 400mm x 400mm
- **MAZAK (6 AXIS) – INTERGREX J-200 (Accuracy = 5µm) - 1 Unit**
 Size Specification - 700mm x 400mm x 480mm (36 Pot)
- **DMG MORI CMX 50U (3+2 AXIS) – CMX 50U (Accuracy = 5µm) - 1 Unit**
 Size Specification - 500mm x 450mm x 400mm (36 Pot)



CNC AUTO LATHE MACHINE

- **TORNOS (Accuracy = 5µm) - 1 Unit**
 Size Specification - 195mm Max part length, 25mm Max BarØ

CNC TURNING

- **YCM (Accuracy = 5µm) - 1 Unit**
 Size Specification - 150mm x 345mm, 8"Chuck

MACHINE LISTS

WIRE-CUT EDM

- **MITSUBISHI (Accuracy = 3 μ m) - 10 Units**
 Size Specification - 380mm x 250mm x 250mm
 Wire Specification - Standard wire is \varnothing 0.2mm
 - Special request is \varnothing 0.1mm

EDM (Electric Discharge Machine)

- **MITSUBISHI (Accuracy = 5 μ m) - 4 Units**
 Smallest Specification - 300mm x 200mm x 200mm
- **AD-SPARK (Accuracy = 10 μ m) - 1 Unit**
 Size Specification - 380mm x 250mm x 250mm

SUPER DRILL

- **OCEAN - 3 Units**
 Size Specification - 350mm x 200mm x 200mm



MACHINE LISTS

MILLING MACHINE

- EUMEGA (Accuracy = 25 μ m) - 3 Units

Size Specification - 600mm x 350mm

- MANFORD (Accuracy = 25 μ m) - 2 Units

Size Specification - 600mm x 350mm

- PINNACLE (Accuracy = 25 μ m) - 1 Unit

Size Specification - 600mm x 350mm

- TOONG CHI (Accuracy = 25 μ m) - 1 Unit

Size Specification - 600mm x 350mm

LATHE MACHINE

- CHARLES (Manual) (Accuracy = 20 μ m) - 1 Unit

Size Specification - 430mm x 1000mm

MACHINE LISTS

GRINDING MACHINES

- **OKAMOTO (Accuracy = 2 μ m) - 8 Units**
Size Specification - 400mm x 150mm
- **LINEAR (Accuracy = 2 μ m) - 1 Unit**
Size Specification - 400mm x 150mm
- **CHEVALIER (Accuracy = 2 μ m) - 2 Units**
Size Specification - 400mm x 150mm



CNC GRINDING MACHINES

- **CHEVALIER (Accuracy = 2 μ m) - 1 Units**
Size Specification - 400mm x 150mm

Precision Ultrasonic Cleaning

Parameters	Tank #1 Chemical Wash	Tank #2 DI Spray	Tank #3 First Rinse	Tank #4 Second Rinse	Tank #5 Final Rinse	Tank #6 Blower	Tank #7 Oven Dryer 1	Tank #8 Oven Dryer 2	Tank #9 Vacuum Dry
Process Time (sec)	210	120	210	210	150	210	360	360	180
Temperature Setting	55°C ± 5°C	55°C ± 5°C	55°C ± 5°C	45°C ± 5°C	50°C ± 5°C	-	70°C ± 10°C	70°C ± 10°C	60°C ± 10°C
Tank Size (cm)	5(L) × 65(W) × 30(H)	5(L) × 65(W) × 60(H)	5(L) × 65(W) × 30(H)	5(L) × 65(W) × 30(H)	5(L) × 65(W) × 30(H)	-	-	-	-
Ultrasonic Frequency	80kHz, 120 kHz	-	80kHz, 120 kHz	120 kHz	170 kHz	-	-	-	-
Ultrasonic Generator	2 × 750W	-	2 × 750W	2 × 750W	4 × 750W	-	-	-	-
Ultrasonic Power	90%	-	90%	90%	90%	-	-	-	-
Pre-Filter	10µm	5µm	5µm	0.45µm	0.45µm	-	0.12 ULPA	0.12 ULPA	0.01
Fine Filter	5µm	1µm	1µm	0.1µm	0.1µm	-	-	-	-
DI Water Supply Flow Rate	-	-	5 ± 1LPM	5 ± 1LPM	15 ± 1LPM	-	-	-	-
Circulation Flow rate	30 LPM	-	30 LPM	30 LPM	30 LPM	-	-	-	-
Spray Pressure	-	30 psi + 10/-0 psi	-	-	-	-	-	-	-
Detergent	Methalnox 6314 Concentration 7- 12%	-	-	-	-	-	-	-	-
Water	100L	100L	100L	100L	100L	-	-	-	-



Interchangeable basket attachment for multiple size part to be clean



MACHINE LISTS

LASER WELD MACHINE

- OR - 1 Unit

TAPPING MACHINE

- KING - 2 Units
- WEST LAKE - 1 Unit

SAND BLAST MACHINE

- ROTOWELL - 4 Units

AUTO SAND BLASTING MACHINE

- TECHNO - 2 Units

TUMBLING MACHINE

- TECHNO - 1 Unit

SPM MACHINE (Special Product)

- Water Jet - 1 Unit
- Auto Polishing - 2 Units

LASER ENGRAVING

- Diode Side – Pump Laser Marker Series - 6 Units

BELT SANDER

- ALTE - 1 Unit

BANDSAW

- DEWALT - 1 Unit
- TYC - 1 Unit
- JIU CHUN - 1 Unit

MEASURING EQUIPMENTS

WERTH SCOPE CHECK 3D-CNC (CMM)

- Contact & Non Contact (Accuracy = 2 μ m)
- Measuring Ranges : 400mm x 200mm x 200mm)

MORA PRIMUS 575 (CMM)

- Contact (Accuracy = 1.3 μ m)
- Measuring Ranges : 500mm x 700mm x 500mm

WERTH VISUAL 2D NON CONTACT MEASURING MACHINE

- Accuracy = 2 μ m
- Measuring Ranges : 300mm x 200mm x 100mm



MEASURING EQUIPMENTS

- Deltronic Profile Projector
- Height Master
- Force Gauge
- Coating Thickness Gauge
- Granite Surface Plate
- Digital Micrometer
- Digital Caliper
- Drop Gauge
- Dial Indicator
- Magnifying Lamp
- Pin Gauge
- Block Gauge
- Surface Roughness Tester

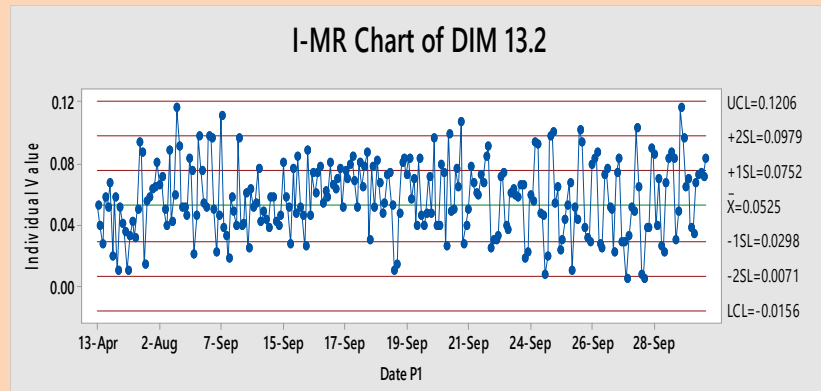
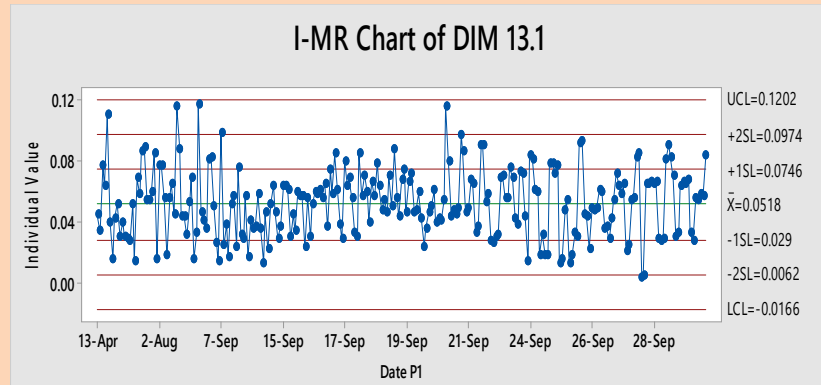
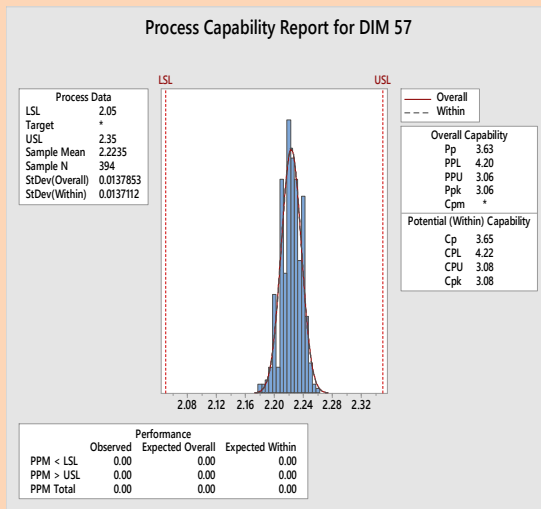
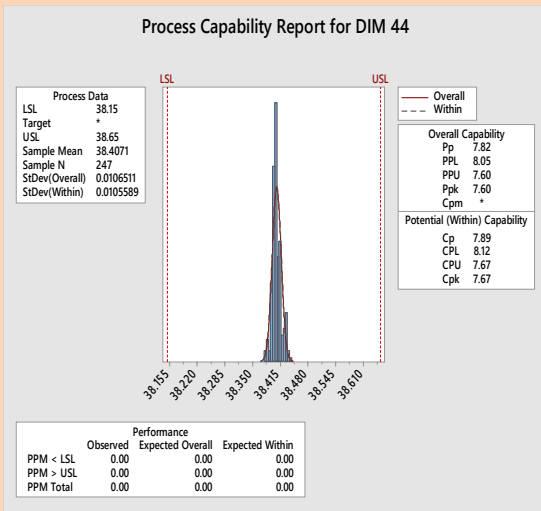




Quality Monitoring

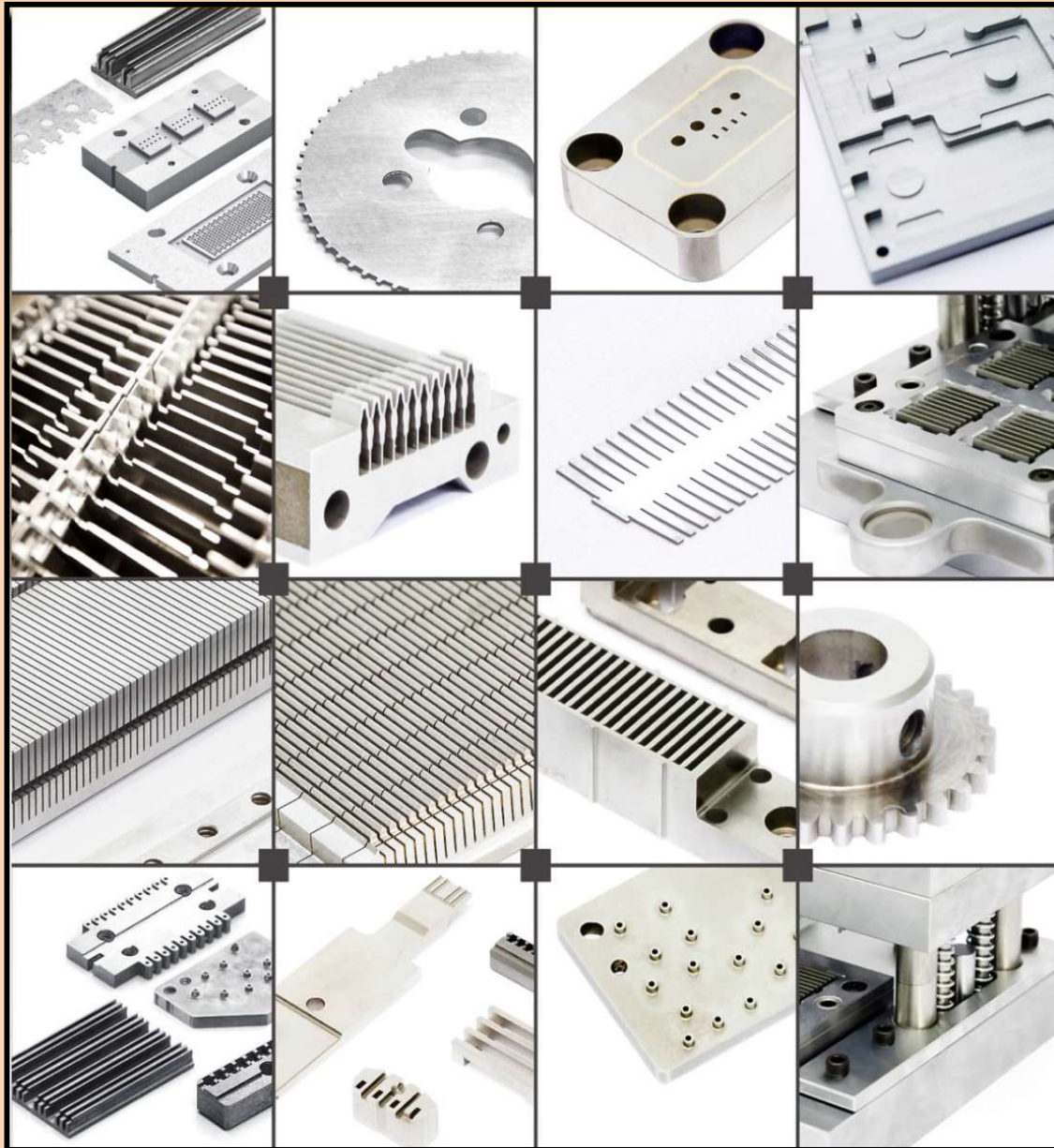
CPK Summary Report Cpk min 1.5 (4.5 sigma/3.4 DPPM)

SPC monitoring with I-MR chart



Rules	OCAP Implementation
R1 – Any point out of 3 sigma	ØRule 1 - trigger
R3 – 6 (or more) points in a row increasing (or decreasing).	ØRule 3 - trigger
R5 – 2/3 points > 2 sigma from the mean in the same direction	ØRule 5 – 2 trigger consecutively, monitoring mode and continue to collect the 200 data to fix the mean and std dev.
R6 – 4/5 >1 sigma from the mean in the same direction	ØRule 6 – 3 trigger consecutively, monitoring mode and continue to collect the 200 data to fix the mean and std dev.

CORE SPECIALIZATION



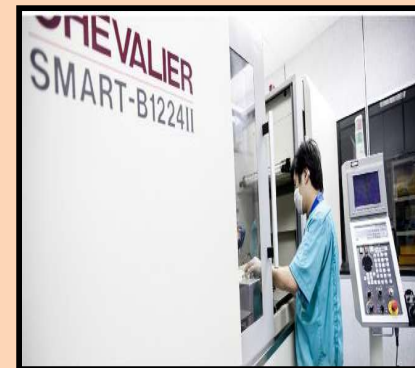
EDM



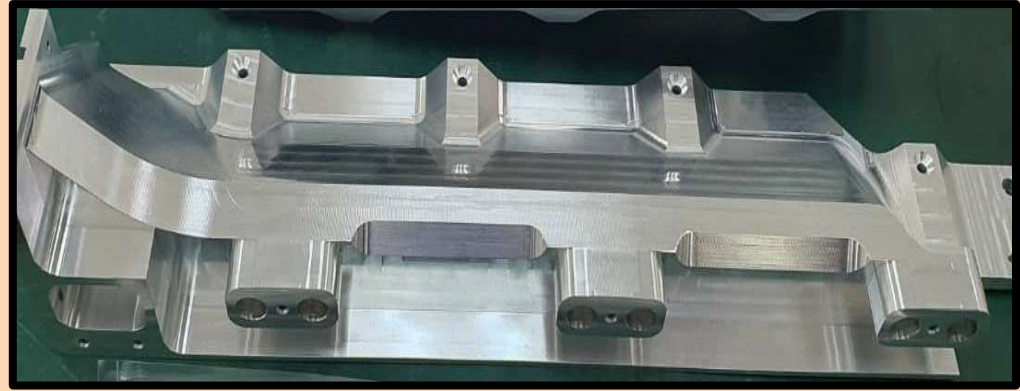
Wire Cut



Grinding



Machining Part with CNC 3+2 axis process



CNC 3 + 2 Axis





Variable Process from CNC 3 Axis to Turn mill and Auto Lathe

Fabrication material from Engineering Plastic to Metal

CNC Auto Lathe



CNC Turn-Mill



CNC 3 Axis



Metal



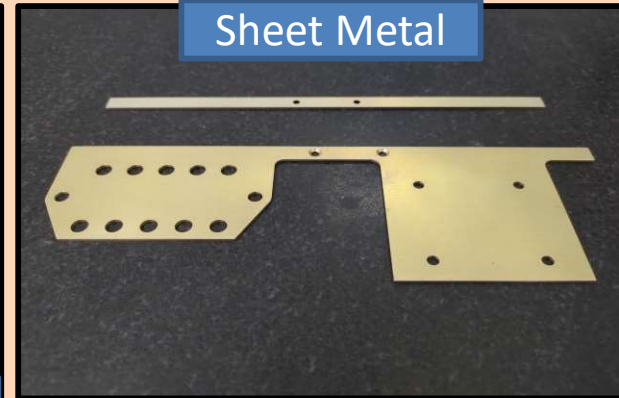
Eng. Plastic



Assembly



Sheet Metal



Precision Assembly $\pm 0.15\text{mm}$



ISO 9001 : 2015 / MS ISO 9001 : 2015 & EN9100 : 2018(AS9100D)



**The production capacity and utilisation for its existing products are as below :-
Year 2022, our capital expenditures totalling to RM1.435 million .**

Type of Machine Used	Unit Available	Utilization Rate (%)	No of Production Shifts
CNC Wirecut	10 units	50	2
CNC EDM	5 units	40	2
CNC Tapping Centre	76 units	63	2
CNC Turn & Mill	1 unit	30	1
CNC Grinding	1 unit	10	1
CNC Turning	1 unit	40	1
Auto Lathe	1 unit	15	1
Superdrill	3 units	40	2
Grinding M/C	11 units	70	2
Milling M/C	7 units	50	2
Laser Welding	1 unit	5	1
Laser Engraving	6 units	72	1
Turning M/C	1 unit	10	1
Die Casting M/C	1 unit	0	1



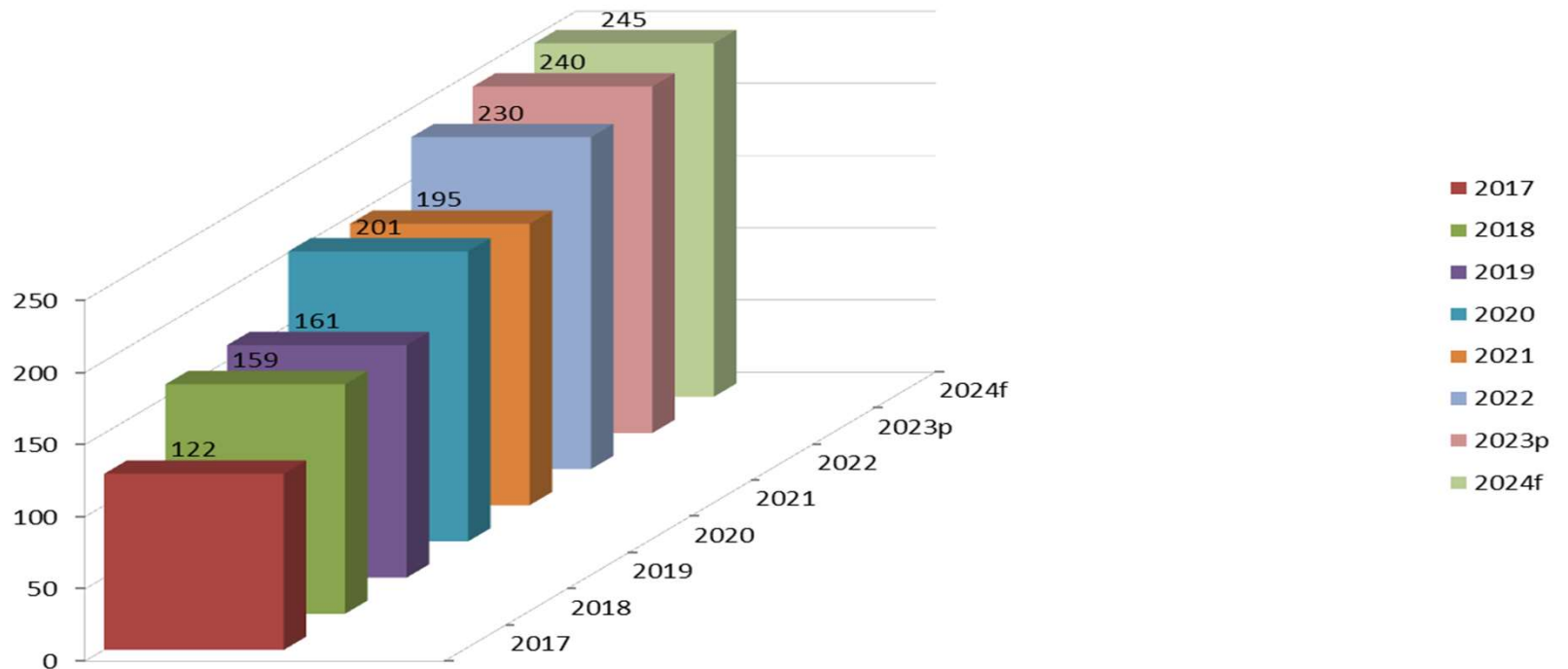
NUMBER OF EMPLOYEES

Number of employee projection

Employee Classification	Years of Employment			No of Employee
	< 1 year	1-3 years	> 3 years	
Directors	0	0	3	3
Managers	0	0	5	5
Professional / Executive/Engineer	7	12	9	28
Clerical	4	2	3	9
Machinist / QC Inspector	53	44	32	129
Foreign Workers	4	0	56	56
Grand Total	64	58	108	230

Year	No of Employee
2017	122
2018	159
2019	161
2020	201
2021	195
2022	230
2023p	240
2024f	245

No of Employees

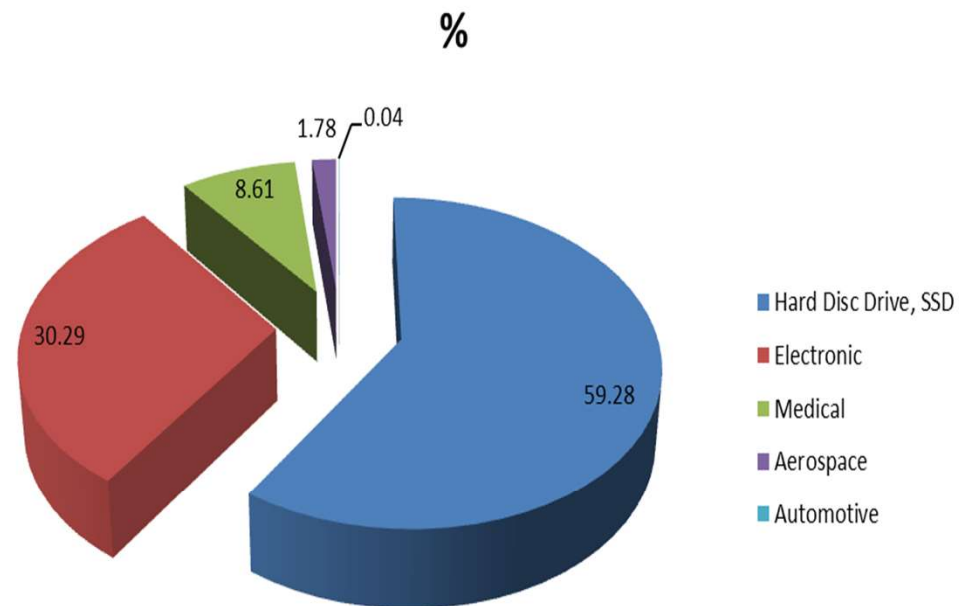
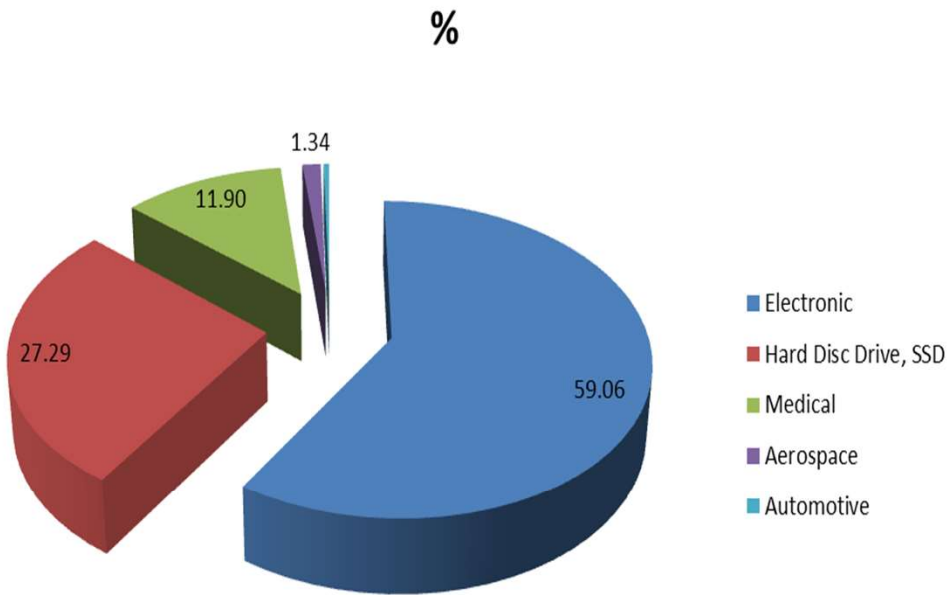




OUTPUT STRUCTURE 2021 & 2022

2021		
Industry	%	Application
Electronic	59.06	Die & punch, jigs & fixture to produce component
Data Storage	27.29	Tooling for Slider Process , SSD Housing
Automotive	0.41	Automation machine piece parts
Medical	11.90	Automation machine component
Aerospace	1.34	Aviation Components Machinery Parts

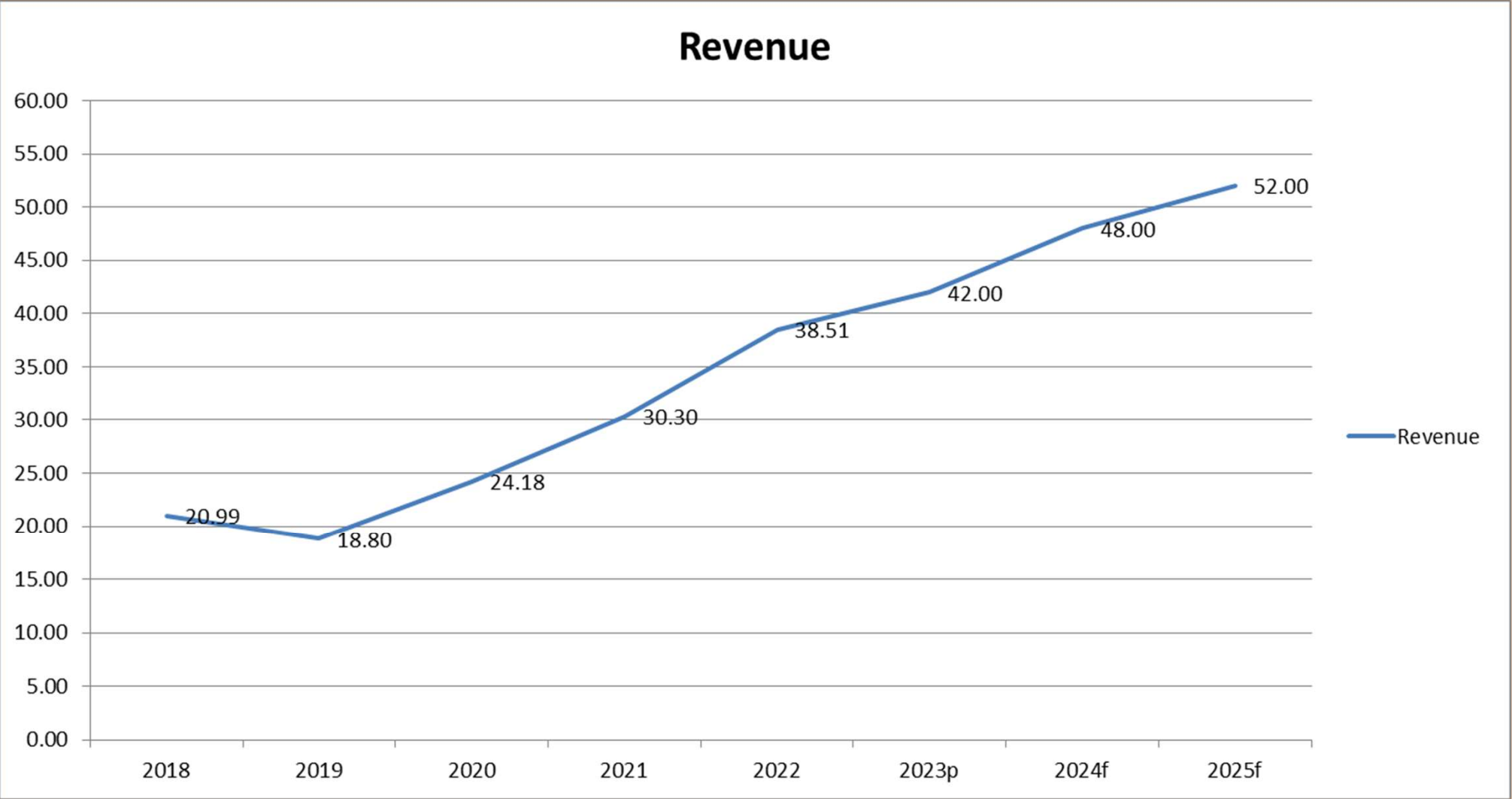
2022		
Industry	%	Application
Electronic	30.29	Die & punch, jigs & fixture to produce component
Data Storage	59.28	Tooling for Slider Process , SSD Housing
Automotive	0.04	Automation machine piece parts
Medical	8.61	Automation machine component
Aerospace	1.78	Aviation Components Machinery Parts





REVENUE

	2018	2019	2020	2021	2022	2023p	2024f	2025f
	RM mil	RM mil	RM mil	RM mil	RM mil	RM mil	RM mil	RM mil
Revenue	20.99	18.80	24.18	30.30	38.51	42.00	48.00	52.00



The following is an analysis of local and export sales for year 31 Dec 2021


Rank	Market Destination	FYE 31 December 2021	
		RM ' 000	%
1	United States	15535.71	51.28
2	Malaysia	6209.53	20.50
3	Thailand	3972.31	13.11
4	El Salvador	4079.99	13.47
5	Philippines	375.54	1.24
6	Switzerland	122.89	0.41
	Total Export Revenue	24086.44	79.50
	Total Local Revenue	6209.53	20.50
	Total Revenue	30295.97	100.00




The following is an analysis of local and export sales for year 31 Dec 2022

Rank	Market Destination	FYE 31 December 2022	
		RM ' 000	%
1	Malaysia	24037.02	62.42
2	United States	7678.24	19.94
3	Thailand	3059.35	7.94
4	El Salvador	3420.90	8.88
5	Philippines	299.36	0.78
6	Switzerland	14.89	0.04
	Total Export Revenue	14472.74	37.58
	Total Local Revenue	24037.02	62.42
	Total Revenue	38509.76	100.00



Current Aerospace Customer

Customer	Project Awarded
 The logo for Celestica, featuring a stylized red and grey starburst pattern to the left of the word "Celestica" in a grey, sans-serif font with a trademark symbol.	<ul style="list-style-type: none">• UTAS BV PROJECT – Air Data Sensor Product• UTC – 17023919 Global 7000 ACU PROJECT – Flaps And Slats Actuator• TRIXELL - SHOULDER SPACER PROJECT• HONEYWELL PAR 64• HONEYWELL PAR 46• HONEYWELL FACUUM• Tuscon Site MVP 22 Parts (Machining & Sheet Metal) - Customer: Honeywell

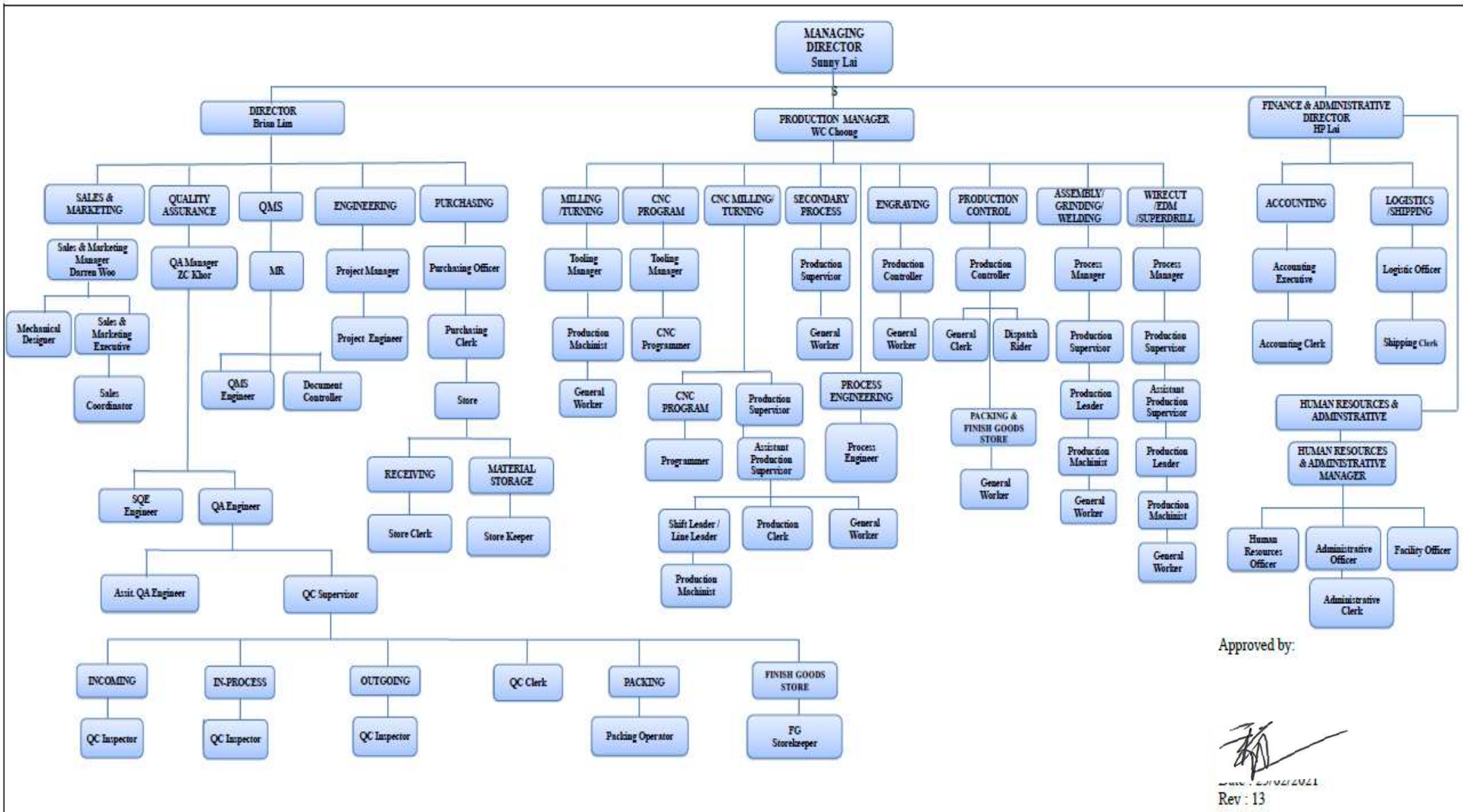
Customer	Project Awarded
	<ul style="list-style-type: none"> • HONEYWELL RDR PROJECT – KITS FOR RDR – Weather Rader • Honeywell-010-E3005-000 Rev B • PARKER HANNIFIN – CSD • PROJECT MEGGIT • Meggitt Avionics • BE Aerospace Project • Honeywell Localization Project • HON_ Terry's part localization • New Localized Heatsink_2500100-225-456
 	<ul style="list-style-type: none"> • Winston Salem & Leighton Buzzard Seating

PROJECT STRATEGY ROADMAP

- To certify ISO 13485 Q4 2023
- To invest CMM with Scan Probe by Q3 2023.
- To set up Secondary / Special Process Line (Finishing- Chemfilm & Anodizing NADCAP) Q2 2024.
- To set up Die Casting (Aluminum) facility by Q2 2024.
- To set up production lines to support on Sheet Metal and Stamping process parts estimated to be completed by Q4 2024.



SYNACTIC TECHNOLOGY SDN BHD (764654-A)



Approved by:

Rev : 13

Synactic



THANK YOU