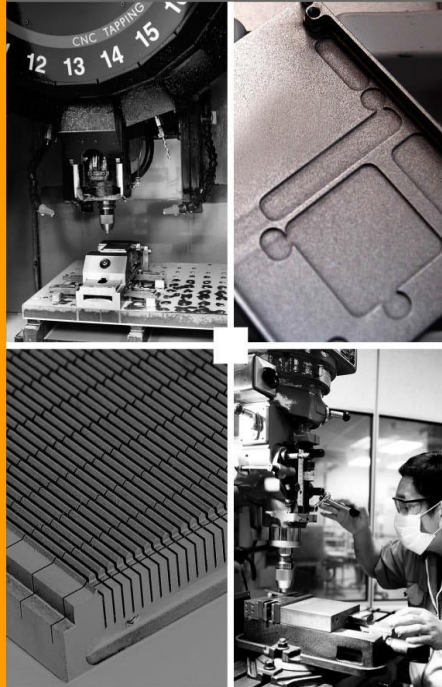


www.synactic.com.my

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

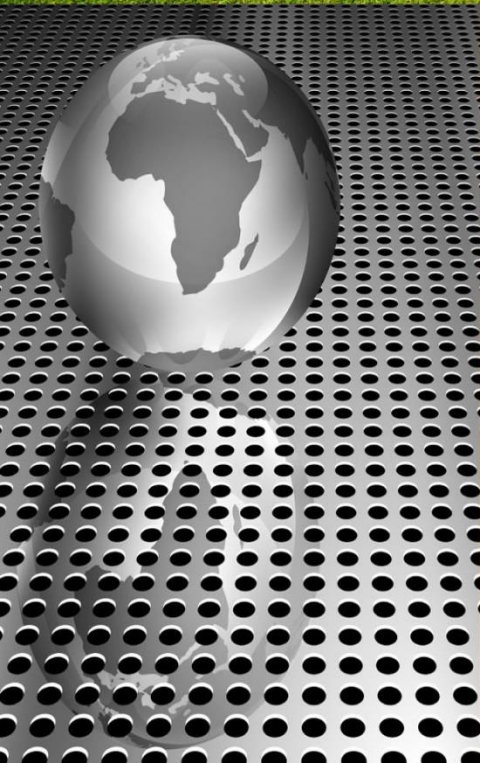
Germany

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
- 240 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. 005 100 11023-001

Valid from 2023-06-27
Valid until 2026-06-26
Initial certification 2008

Issuance Date
2023-06-15

Certification Body at TÜV NORD (MALAYSIA) SDN BHD

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



Certificate

Management system as per

ISO 13485 : 2016 / MS ISO 13485 : 2017

In accordance with Appendix 4, Third Schedule of Malaysia Medical Devices Regulations 2012 and in accordance with the TÜV NORD (MALAYSIA) SDN BHD auditing and certification procedure, it is hereby certified that

SYNACTIC TECHNOLOGY SDN. BHD. (764654-A)

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

with the locations according to the annex

applies a management system in line with the above standard for the following scope

Scope

Provision of Manufacturing and Assembly of High Precision Machining Components for Medical Device

Certificate Registration No. 221 24011

Valid from 2023-03-19
Valid until 2026-03-18
Initial certification 2023-03-19

2023-03-19

Issuance Date

Ir. Bill Kong, Managing Director
Certification Body at TÜV NORD (MALAYSIA) SDN BHD

TÜV NORD (MALAYSIA) SDN BHD
MDA Registration No: MDA/CAB - 008
No. 9F-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 Bieher
Managing Director

DQS IS A MEMBER OF



Accredited Body: DQS GmbH, August-Schanz-Strasse 21, 60433 Frankfurt am Main, Germany
The validity of this certificate can only be verified by the QR-code.

CNC MILLING MACHINE CENTRE

- **BROTHER (Accuracy = 5µm) - 86 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 (5 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

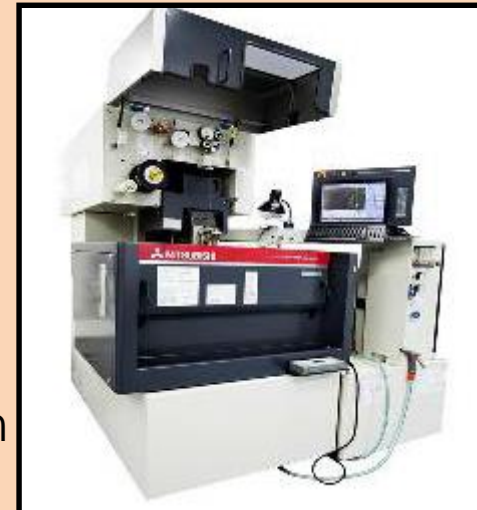
- **MITSUBISHI (Accuracy = 3 μ m) - 10 Units**
 Size Specification - 380mm x 250mm x 250mm
 Wire Specification - Standard wire is $\varnothing$ 0.2mm
 - Special request is $\varnothing$ 0.1mm

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 = 25µm) - 3 Units**
Size Specification - 600mm x 350mm
- **MANFORD (Accuracy = 25µm) - 2 Units**
Size Specification - 600mm x 350mm
- **PINNACLE (Accuracy = 25µm) - 1 Unit**
Size Specification - 600mm x 350mm
- **TOONG CHI (Accuracy = 25µm) - 1 Unit**
Size Specification - 600mm x 350mm

LATHE MACHINE

- **CHARLES (Manual) (Accuracy = 20µm) - 1 Unit**
Size Specification - 430mm x 1000mm

MACHINE LISTS

GRINDING MACHINES

- OKAMOTO (Accuracy = $2\mu\text{m}$) - 8 Units
Size Specification - 400mm x 150mm
- LINEAR (Accuracy = $2\mu\text{m}$) - 1 Unit
Size Specification - 400mm x 150mm
- CHEVALIER (Accuracy = $2\mu\text{m}$) - 2 Units
Size Specification - 400mm x 150mm



CNC GRINDING MACHINES

- CHEVALIER (Accuracy = $2\mu\text{m}$) - 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) x 65(W) x 30(H)	5(L) x 65(W) x 60(H)	5(L) x 65(W) x 30(H)	5(L) x 65(W) x 30(H)	5(L) x 65(W) x 30(H)	-	-	-	-
Ultrasonic Frequency	80kHz, 120 kHz	-	80kHz, 120 kHz	120 kHz	170 kHz	-	-	-	-
Ultrasonic Generator	2 x 750W	-	2 x 750W	2 x 750W	4 x 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

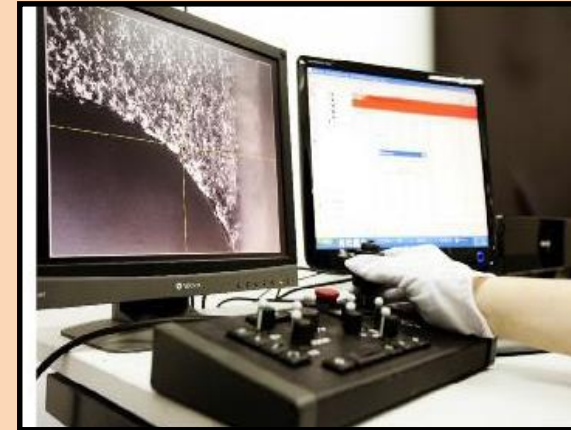
- Accuracy = 2 μ m
- Measuring Ranges : 300mm x 200mm x 100mm

KEYENCE MULTISENSOR MEASUREMENT SYSTEM LM-X100 SERIES

- Accuracy = $\pm 1\mu$ m
- Measuring Ranges : 175mm x 325mm x 75mm

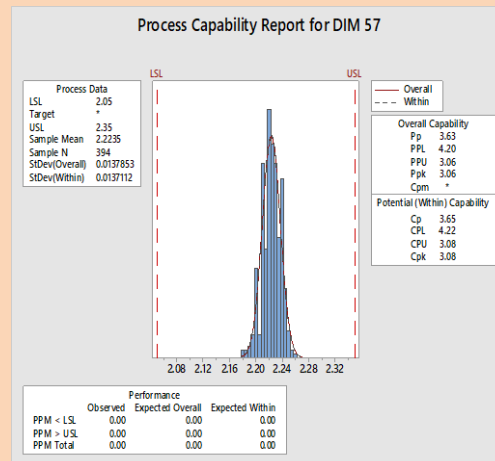
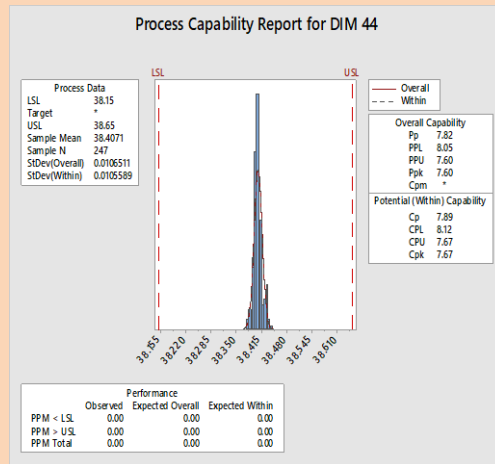
MEASURING EQUIPMENTS

- **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**



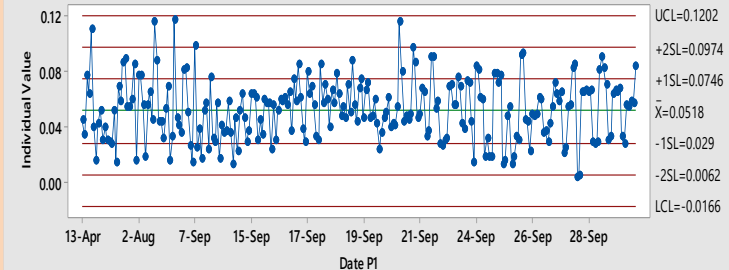
Quality Monitoring

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

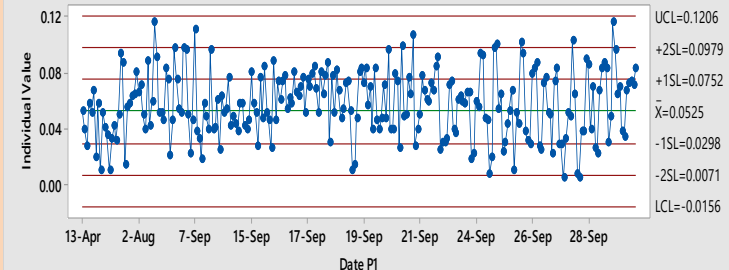


SPC monitoring with I-MR chart

I-MR Chart of DIM 13.1

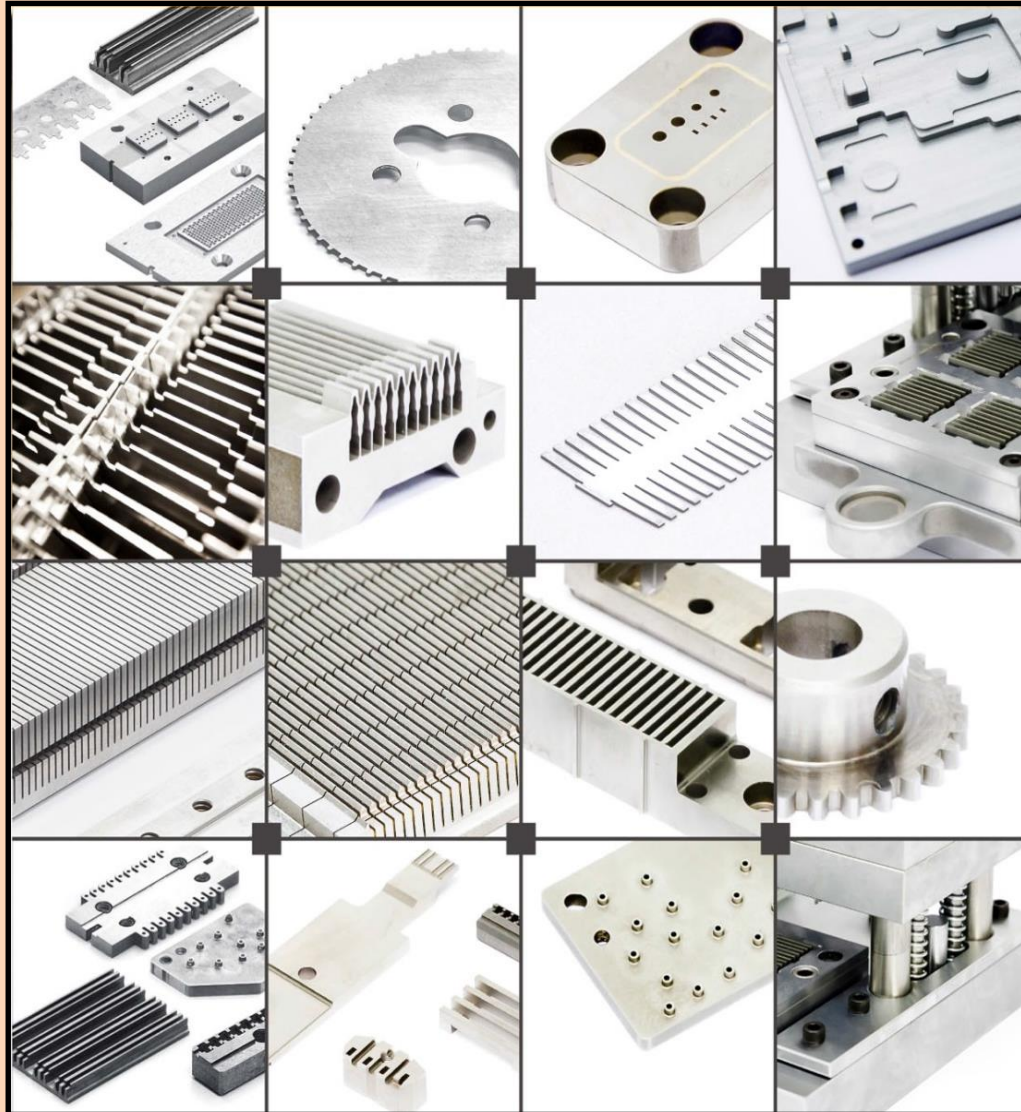


I-MR Chart of DIM 13.2



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



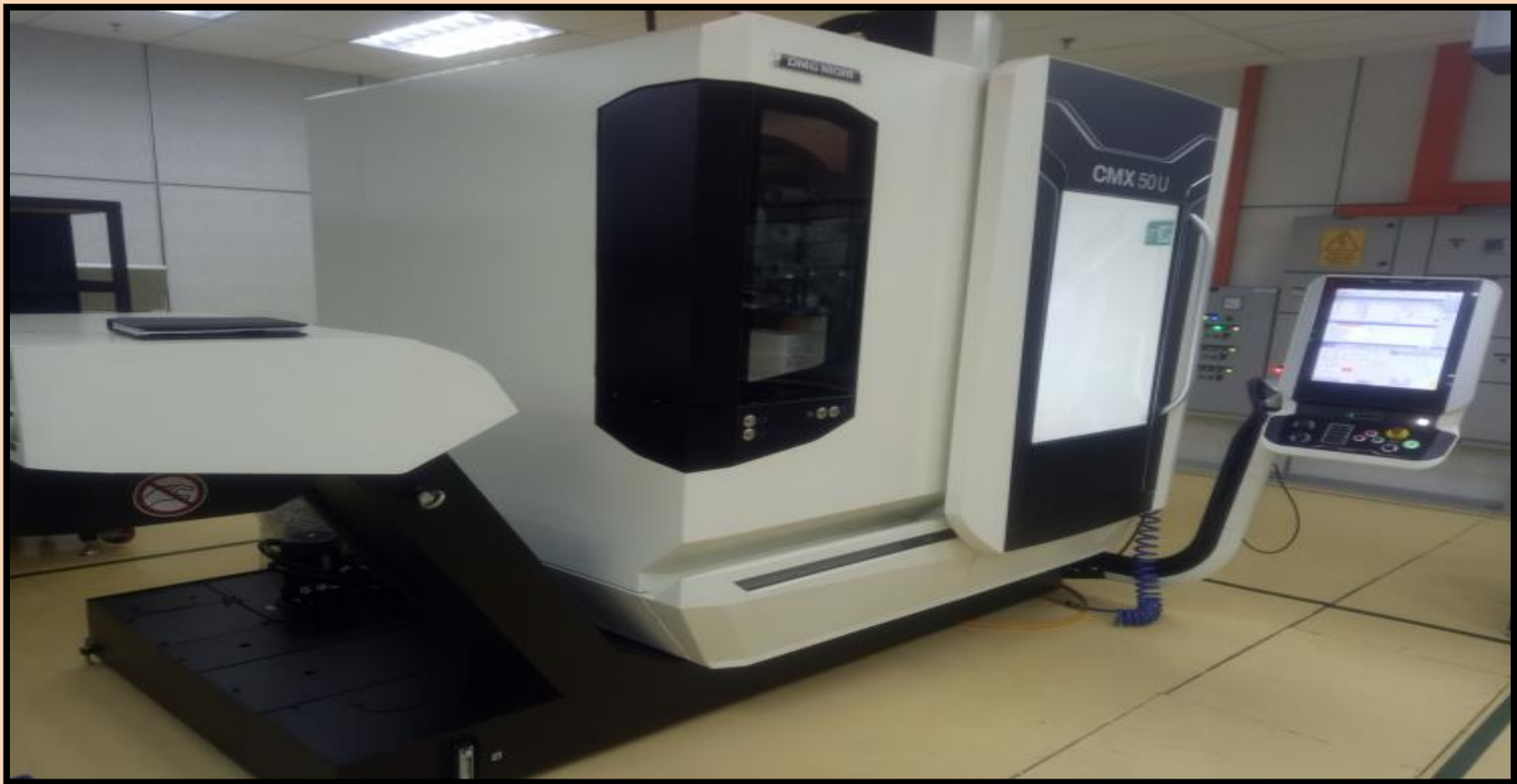
Wire Cut



Grinding



CNC 5 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



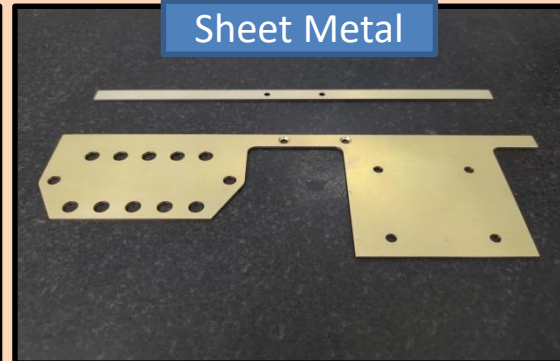
Eng. Plastic



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 :-

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	95 units	70	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



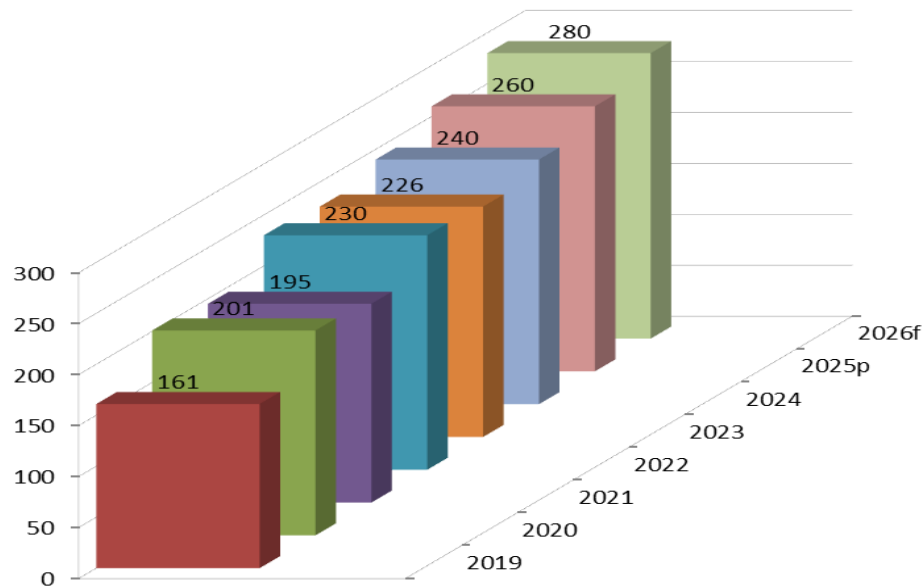
NUMBER OF EMPLOYEES

Number of employee projection

Employee Classification	Years of Employment			No of Employee
	< 1 year	1-3 years	> 3 years	
Directors	1	0	1	2
Managers	0	1	5	6
Professional / Executive/Engineer	3	3	21	27
Clerical	4	1	7	12
Machinist / QC Inspector	41	3	40	84
Foreign Workers	0	60	49	109
Grand Total	49	68	123	240

Year	No of Employee
2019	161
2020	201
2021	195
2022	230
2023	226
2024	240
2025p	260
2026f	280

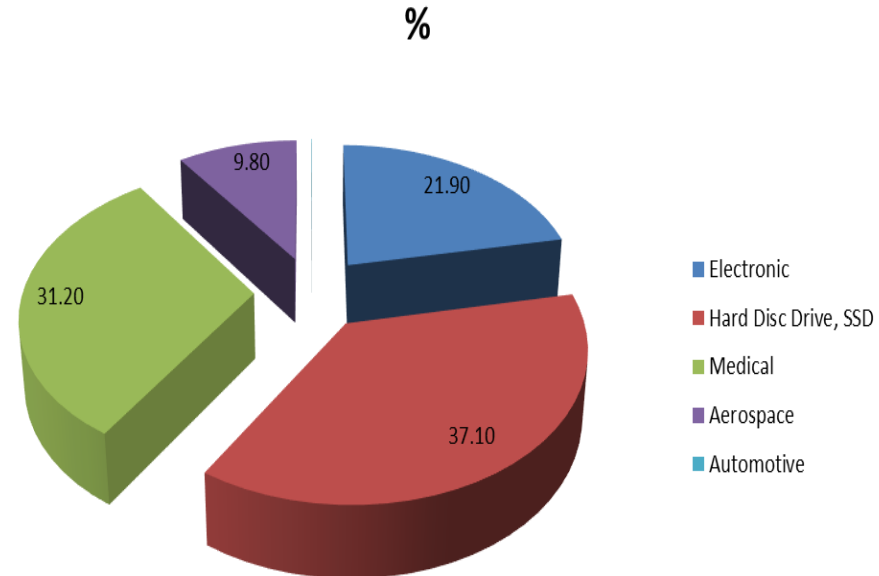
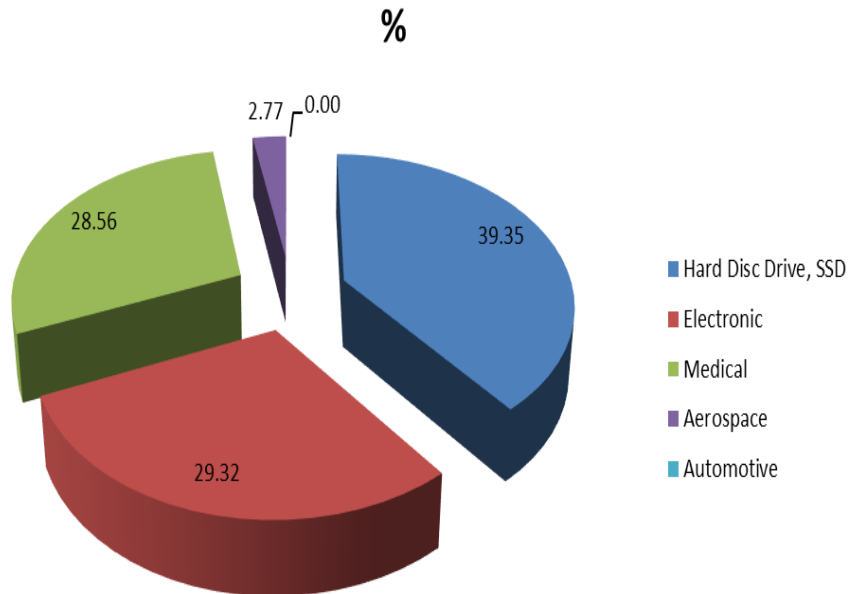
No of Employees



- 2019
- 2020
- 2021
- 2022
- 2023
- 2024
- 2025p
- 2026f

OUTPUT STRUCTURE 2023 & 2024

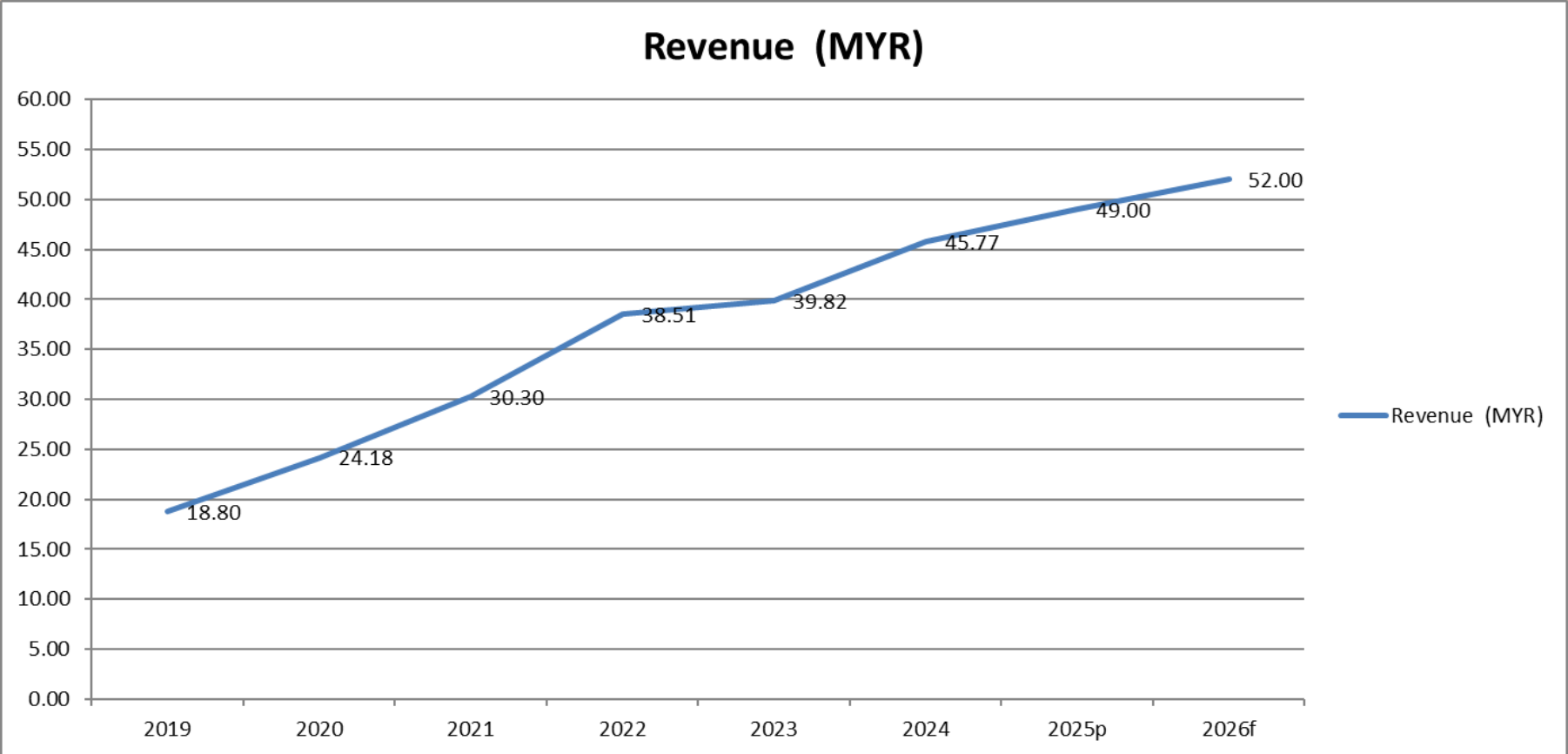
2023			2024		
Industry	%	Application	Industry	%	Application
Electronic	29.32	Die & punch, jigs & fixture to produce component	Electronic	21.90	Die & punch, jigs & fixture to produce component
Data Storage	39.35	Tooling for Slider Process , SSD Housing	Data Storage	37.10	Tooling for Slider Process , SSD Housing
Medical	28.56	Automation machine component	Medical	31.20	Automation machine component
Aerospace	2.77	Aviation Components Machinery Parts	Aerospace	9.80	Aviation Components Machinery Parts





REVENUE

	2020	2021	2022	2023	2024	2025p	2026f
	mil	mil	mil	mil	mil	mil	mil
Revenue (MYR)	24.18	30.30	38.51	39.82	45.77	49.00	52.00
Revenue (USD)	5.37	6.73	8.56	8.85	10.4	11.14	11.82
Percentage of Growth	28.62%	25.31%	27.10%	3.40%	14.94%	7.06%	6.12%



The following is an analysis of local and export sales for year 31 Dec 2023

Rank	Market Destination	FYE 31 December 2023	
		RM ' 000	%
1	Malayisa	26458.29	65.63
2	United States	9026.73	22.39
3	El Salvador	3340.24	8.29
4	Thailand	973.12	2.41
5	Mexico	306.74	0.76
6	Philippines	207.81	0.52
	Total Export Revenue	13854.64	34.37
	Total Local Revenue	26458.29	65.63
	Total Revenue	40312.93	100.00

The following is an analysis of local and export sales for year 31 Dec 2024

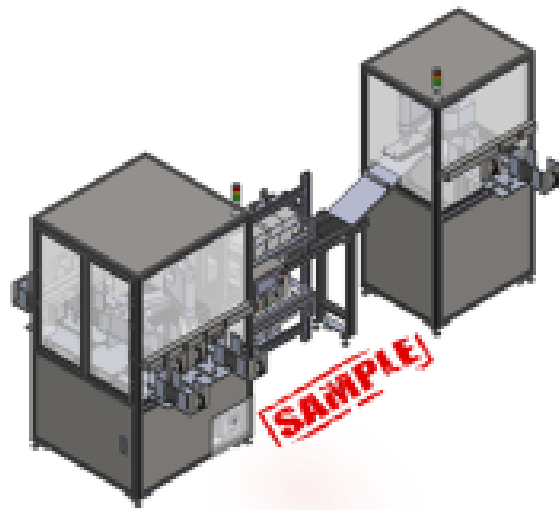
Rank	Market Destination	FYE 31 December 2024	
		RM ' 000	%
1	Malayisa	32152.98	70.25
2	United States	3941.59	8.61
3	Thailand	2595.89	5.67
4	El Salvador	1625.36	3.55
5	Mexico	5455.79	11.92
6	Switzerland	0.00	0.00
	Total Export Revenue	13618.54	29.75
	Total Local Revenue	32152.98	70.25
	Total Revenue	45771.52	100.00

PROJECT STRATEGY ROADMAP

- To certify ISO 13485 Q1 2025
- To invest CMM with Scan Probe by Q4 2024 – Done in Q3 2024
- Invest in new AOI machine for visual inspection (Refer to next slide)
- Purchase 4 acres land (BKIP 3) for expansion development (Refer to next slide)

New investment machine and equipment in Synactic

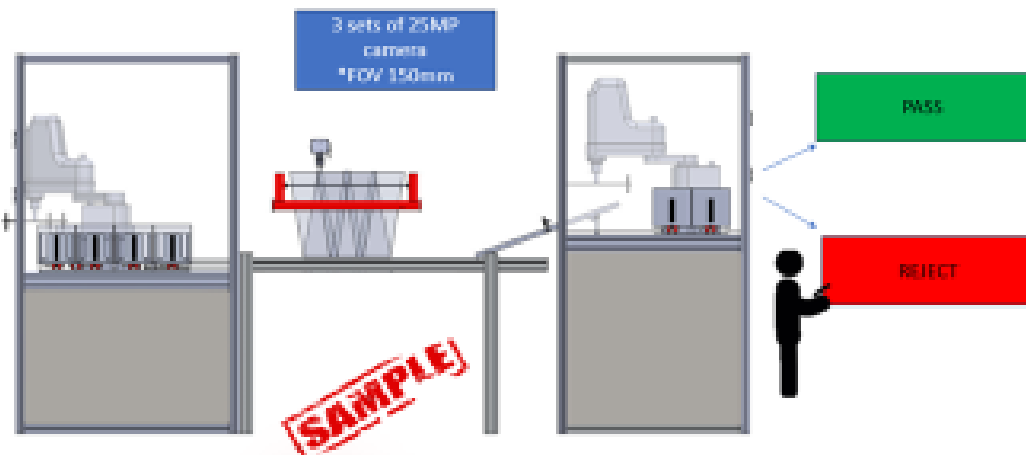
Sample Concept



- Linear concept instead of rotary
- Easy maintenance with in & out process
- 3 camera inspection on Class A and Class B only (Top & smooth surface and 2 sided surface only)
- Target <10 sec/ unit as max. time to inspect

- AOI to implement use of AI engine for inspection for better consistency in detection for various types of defects.
- Only can check for flat surfaces Class A and Class B.
- Detect defects size of 0.2mm & contrast value >30 compared to the average.

Sample Concept (Side view)



Synactic New Plant Expansion Road Map

2 Years to complete

Start
Dec 2026



Land Hand over by Penang Development Center for land slot area at Batu Kawan Phase 3 range 4 acres



Architectural building layout and approval

Jan – March 2027



Construction building

April 2027- April 2028



CNC 5 axis, 3 axis, turn mill and anodizing

May 2028 – Aug 2028



Aluminum Die Cast process Installation

Sep- Dec 2028

Content:

- Cooling Tower
- Oil Heat (mold)
- Furnace
- Furnace Burner
- Material Ingot
- Loading overhead crane
- Casting Process Engineer
- Operator

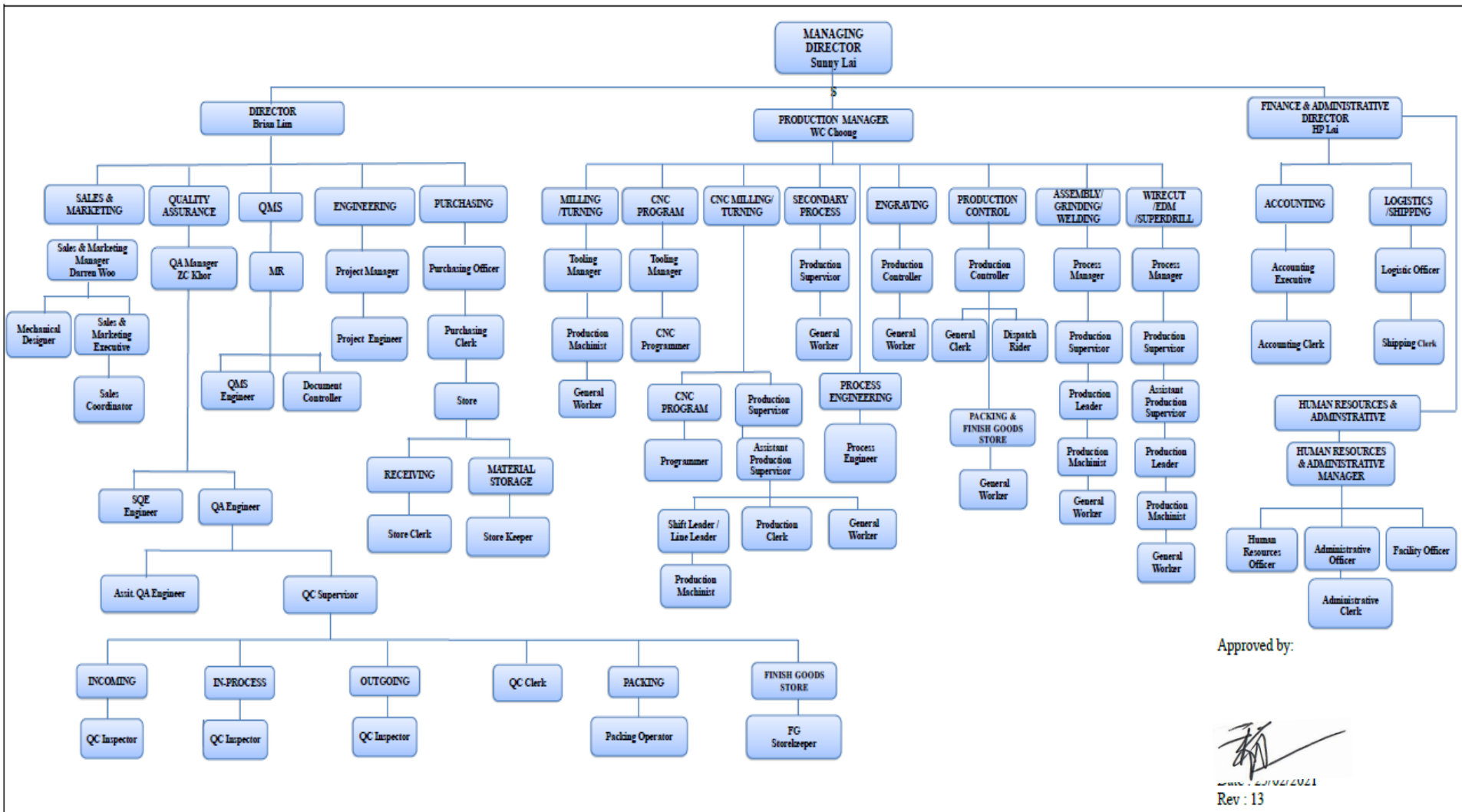
Content:

- Waste water treatment
- Anodizing Line Tank and Robotic Handler
- Chemist
- Chemical
- Process engineer
- Jig
- Operator





SYNACTIC TECHNOLOGY SDN BHD (764654-A)



synactic



THANK YOU