



Nt Automation & Design Sdn. Bhd.

(941608-P)



Address 🏠:-

No.19, Klebang Bistari 2,
Kawasan Perindustrian Klebang Bistari,
31200 Chemor,
Perak Darul Ridzuan, Malaysia.

📍 : 4.692516, 101.124582

Contact :-

☎ : +6016-417 0083 📠 : +605-291 0181

Email ✉:-

richard@newtech-automation.com

Your system integration solution partner... Nt



Nt Automation & Design Sdn. Bhd.

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About Us :-

Nt Automation & Design Sdn. Bhd. is and Automation, Integration & Machine Building company that can accomplish a solution from your more simple to your more complex needs. We bring over 13 years of expertise in system integration, lean concept automation, design engineering and industrial programing to critical manufacturing process.

We are a full engineering to Order Consulting and System Integration Company that combine our many disciplines and backgrounds to tackle the most complex problems that face our customers.

Nt Automation & Design Sdn. Bhd. is privately owned with a permanent team of talented individuals , operating from factory and offices in Chemor, Perak.

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Company Overview :-

As the manufacturing sector in Ipoh gears towards the call by the Prime Minister of Malaysia for Malaysia to be a developed nation by the year 2020, the quest for higher technological and skill precision work is ever increasing. The nation's vision has motivated us to set up Nt Automation to provide quality services in the manufacturing and designing field for both local and foreign customers.

Being strategically located at Klebang Bistari industrial part, Nt Automation is set to provide quality services to the industries within the vicinity of Perak and Penang Industrial Estates.



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Continue :-

Nt Automation & Design Sdn. Bhd. offers high quality products, excellent customer service, speedy delivery at a competitive price.

Quality is not compromised and has been given top priority in our organization. The company employs stringent quality control at all stages of the manufacturing process to ensure all goods leaving the company is of the higher quality.

Our management team is technically proficient in their respective field, with many years of experience in both local and multi-national companies. Nt Automation is ready to keep its customers satisfied based on a **partnership concept** rather than that of a vendor-customer relationship.



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Areas Of Expertise :-

The company is an one stop solutions provider on design, development and fabrication for manufacturing needs:

- a) IOT and Industrial 4.0 system designing***
- b) Automated equipment & Integration systems***
- c) Projects & Control Systems***
- d) AOI, Vision Inspection system, 2D/3D/QR reader***
- e) Jigs and Fixtures***
- f) Metal Stamping, Bending & Welding***
- g) Machined Parts per Industries Standard***
- h) Engineering Fabrication & Reverse Engineering***

Industrial

Semi-conductors, electrical, electronics, food, telecommunication, disk-drive manufacturing, computer, pharmaceutical, automobile and other industries.



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Office View :-



Administration Office

Meeting Room





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Work Shop View :-



Milling & Turning



Cutting & Bending



Stamping & Welding

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Mechanical Assembly & Electrical Wiring Area :-



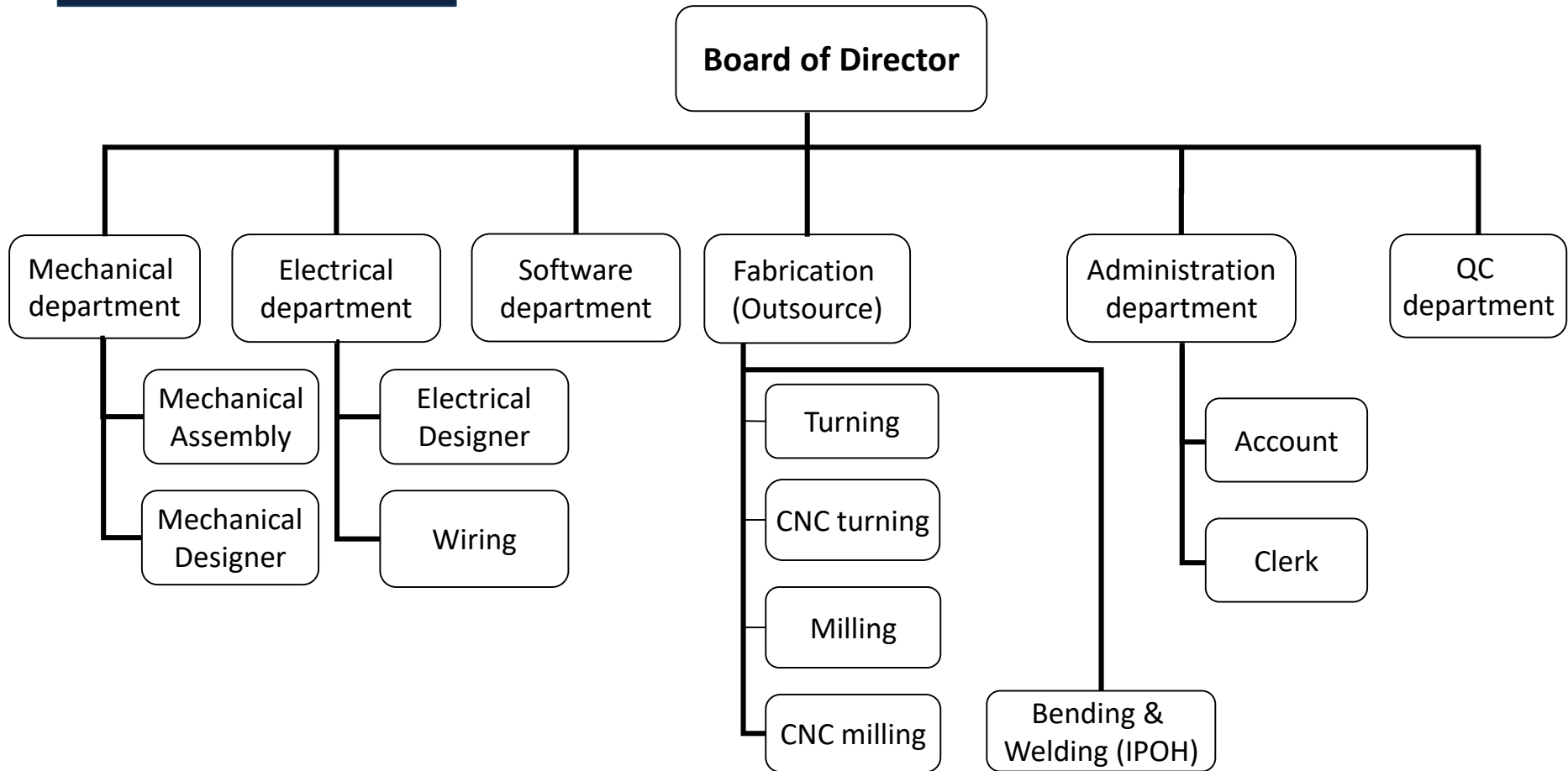
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Operation Chart :-





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Major Customers :-

- **Voith fibre**  **VOITH**
Engineered reliability.
- **Golden PET**  **Golden PET Industries Sdn. Bhd.**
(A SUBSIDIARY OF SPRITZER BHD)
- **Hovid**  **hovid**
Continuous Innovation & Quality
- **Idaman Pharma**  **IDAMAN PHARMA**
SINCE 1980 (PUNJAB - IN)
- **Harn**  **harn**
moving innovations ▶
- **OnSemi**  **ON**
ON Semiconductor®
- **Finisar**  **Finisar**
- **MEMC**  **SunEdison**
simplifying solar
- **Teleflex**  **Teleflex**
MEDICAL
- **Salutica Allied**  **SALUTICA**
SALUTICA BERHAD
- **Carsem**  **Carsem**
Your Technology Partner

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Project Capabilities :-

Nt Automation & Design Sdn. Bhd. capabilities such as :-

- ***Project Definition***
- ***Mechanical Design***
- ***Electrical Control System Design***
- ***Software Requirement Specification***
- ***Software Development***
- ***Hardware Requirement Specification & Acquisition***
- ***Mechanical Assembly***
- ***Electrical Control System Assembly & Wiring***
- ***System Integration***
- ***Equipment test & Implementation***
- ***Vision & Traceability System***



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Technologies & Processes Expertise :-

- Ultrasonic Cleaning Station
- UV Curing & Gluing
- Module Printing
- Vision System
- Process Traceability
- Leak Testing
- Punching & Cutting Process
- Process Assembly Integration
- Conveyor Transportation
- Material Hopper
- Product Counting Scale
- Labeling
- Bottle Feeding System
- 2D & Barcode reader
- Module Inspection
- RFID traceability



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Fabrication Material :-

- **Bakelite.**
- **Perspex & Antistatic Perspex.**
- **Teflon, Nylon, Delrin, PU, PVC, PP, PC & Pomalux.**
- **Brass, Bronze and Copper.**
- **Aluminium 6061 & 6063, Aluminium Profile.**
- **Carbide, XW41, DF2 & etc.**
- **Mild Steel.**
- **Stainless Steel 303,304 & 316.**
- **CDM (Composite Delmat Material) & G10.**
- **Assab Steel.**



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Tolerances Achievable :-

0.05mm or 0.002" for Shaping.

0.05mm or 0.002" for Turning and Milling.

0.03mm or 0.0012" for Machine Centre.

0.01mm or 0.0005" for Grinding and Wire Cut.

0.01mm or 0.0005" for EDM.



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Secondary Process :-

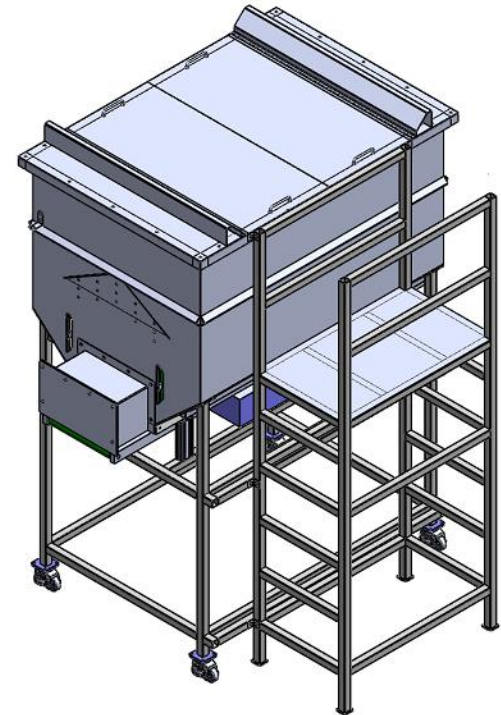
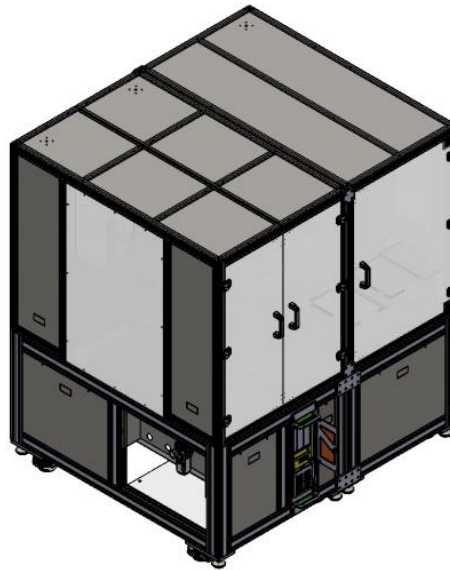
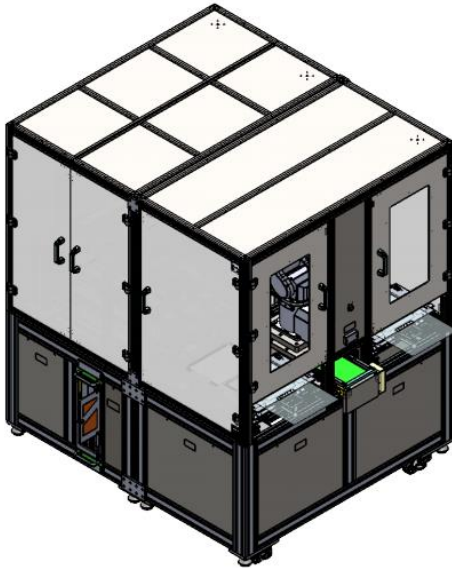
- Hardening.
- Chroming.
- High Blackening.
- Clear & Black Anodize.
- Hard Clear & Black Anodizing.
- Zinc & Nickel Electroplating.
- Welding, Spray Painting & Oven Baked Paint Coating



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Machine Design :-



We make a design based on your requirements, and present you a solid concept for your approval.

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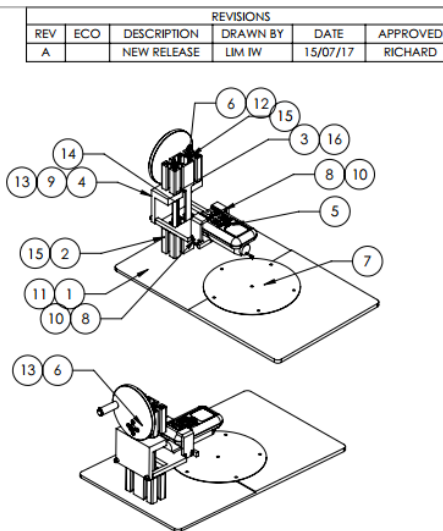
Mechanical Drawing :-

Powered by :



Mechanical Assembly Drawing

| ITEM NO. | DESCRIPTION | QTY. |
|----------|---------------------------------------|------|
| 1 | MAIN BASE, WAFER ROUGHNESS JIG | 1 |
| 2 | MISUMI - HFS8-4080-220-HPW | 1 |
| 3 | MISUMI LINEAR BUSHINGS - SLMUB | 2 |
| 4 | VERTICAL MOUNT, WAFER ROUGHNESS JIG | 1 |
| 5 | METER NEST, WAFER ROUGHNESS JIG | 1 |
| 6 | CAM ASSEMBLY, WAFER ROUGHNESS MEASURE | 1 |
| 7 | WAFER - DIA 200 THK 0.85MM | 1 |
| 8 | CLAMP BRACKET, WAFER ROUGHNESS JIG | 2 |
| 9 | SCR, M5 X 16.0mm, SKT HD CAP, SST | 2 |
| 10 | SCR, M3 X 12.0mm, SKT HD CAP, SST | 4 |
| 11 | SCR, M6 X 12mm, SKT HD CAP, SST | 2 |
| 12 | MISUMI HEX NUT - RENIN8 | 1 |
| 13 | SCR, M8 X 16.0mm, SHOULDER, SST | 1 |
| 14 | PIVOT PIN, WAFER ROUGHNESS JIG | 2 |
| 15 | BUSH, WAFER ROUGHNESS JIG | 4 |
| 16 | MISUMI RETAINER RING - STWS15 | 4 |



Any doubt, please ask.

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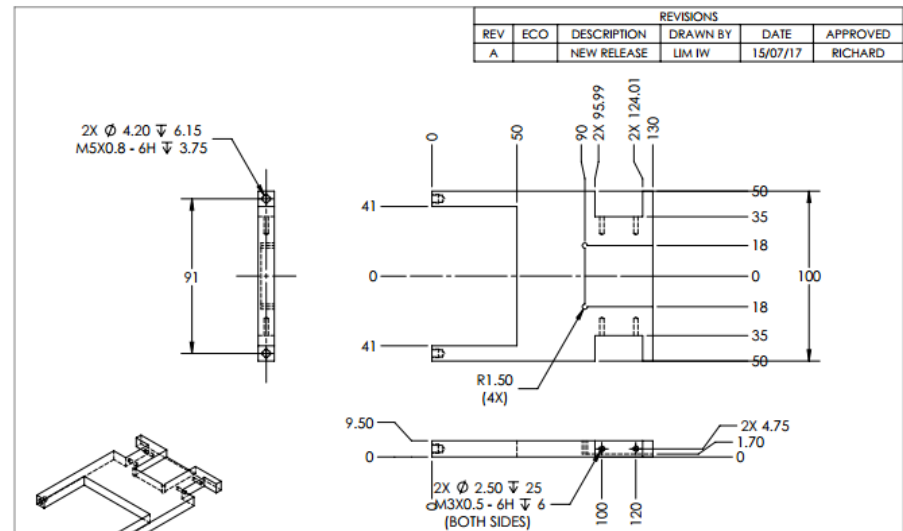
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FIXTURE, WAFER,
ROUGHNESS METER

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|----------|---------------------------------------|------|
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| 1 | MAIN BASE, WAFER ROUGHNESS JIG | 1 |
| 2 | MISUMI - HFS8-4080-220-HPW | 1 |
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Mechanical Parts Detail Drawing



Any doubt, please ask.

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METER NEST,
WAFER ROUGHNESS JIG

| | | |
|----------|---------------------------------------|------|
| ITEM NO. | DESCRIPTION | QTY. |
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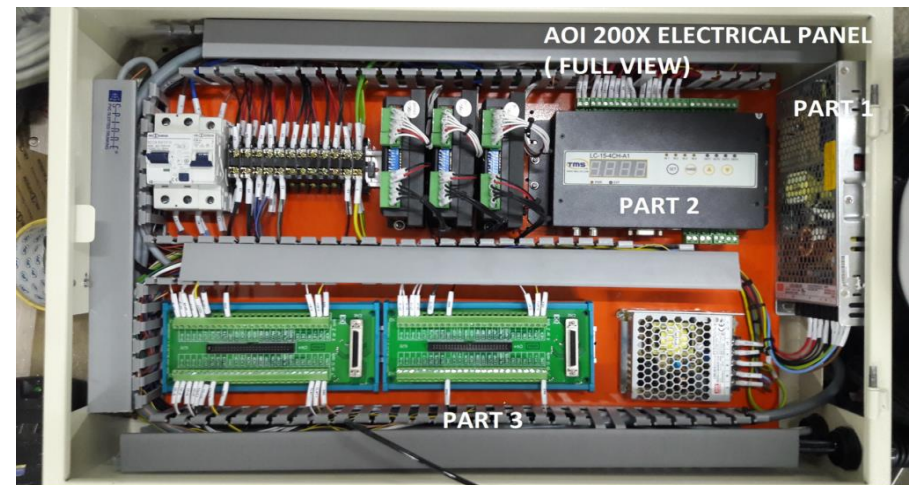
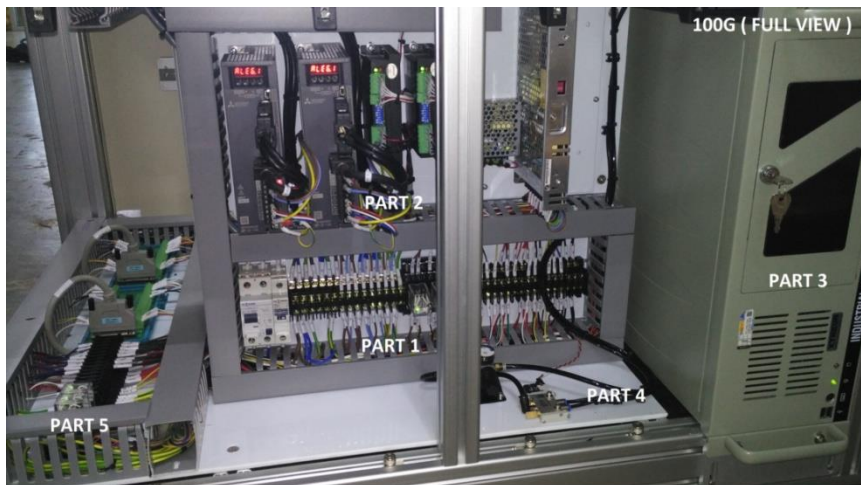




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Electrical Control System Design , Assembly & Wiring :-



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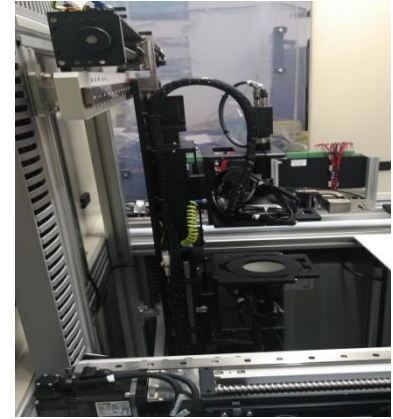
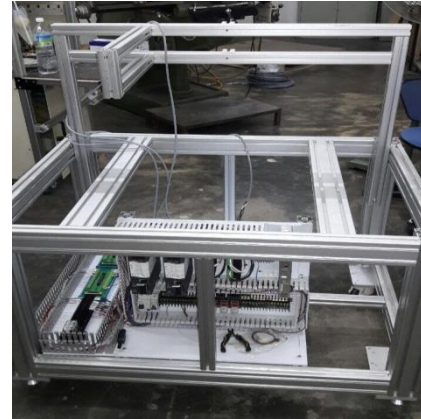
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Some of Our Project (Mechanical) :-

MOI G2.0 Machine



200X LD Inspection AutoVMI Machine



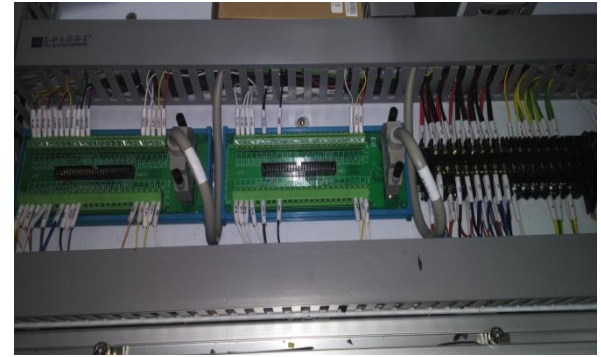
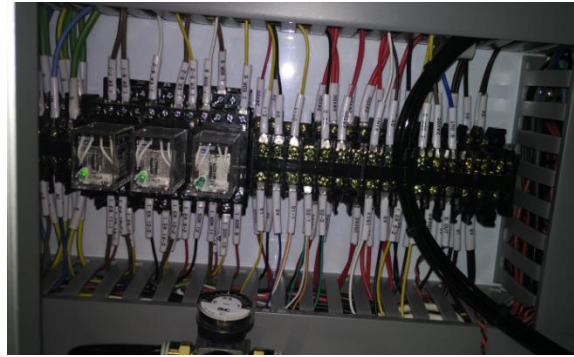
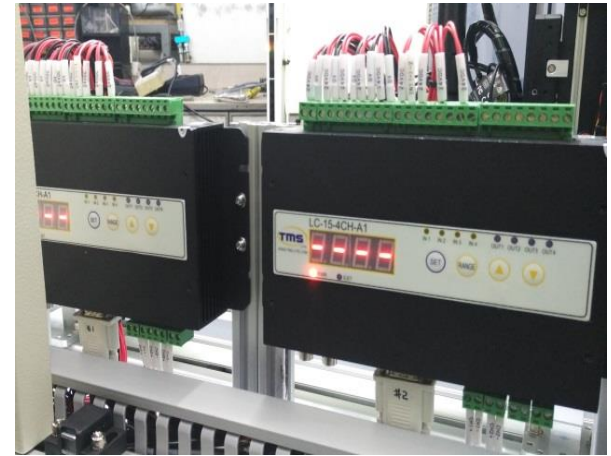
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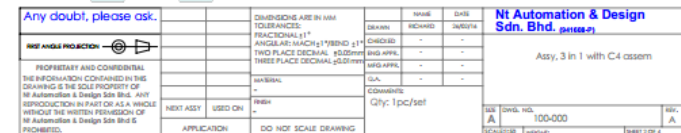
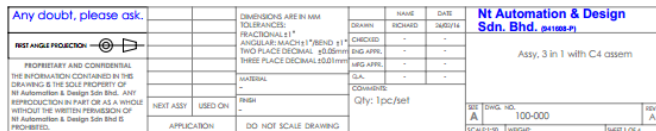
Some of Our Project (Electrical Assembly & Wiring) :-



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3-IN-1 With C4



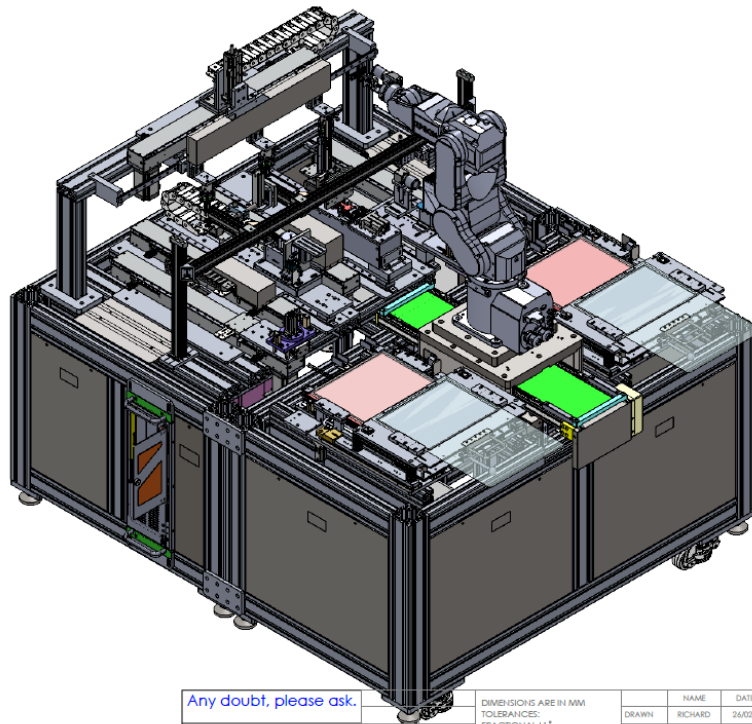
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3-IN-1 With C4



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FIRST ANGLE PROJECTION

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| | |
|------------------------------|----------------------|
| DIMENSIONS ARE IN MM | |
| TOLERANCES: | |
| FRACTIONALS: 1/8" | |
| ANGULAR: MACH 1/8" BEHID ±1° | |
| TWO PLACE DECIMAL: ±0.05mm | |
| THREE PLACE DECIMAL: ±0.01mm | |
| MATERIAL: | |
| FINISH: | |
| NEXT ASSY: | USED ON: |
| APPLICATION: | DO NOT SCALE DRAWING |

| NAME | DATE |
|----------------|----------|
| DRAWN: RICHARD | 26/02/16 |
| CHECKED: | - |
| ENG APPR: | - |
| MFG APPR: | - |
| Q.A.: | - |
| COMMENTS: | |
| Qty: 1pc/set | |

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Assy, 3 in 1 with C4 assem

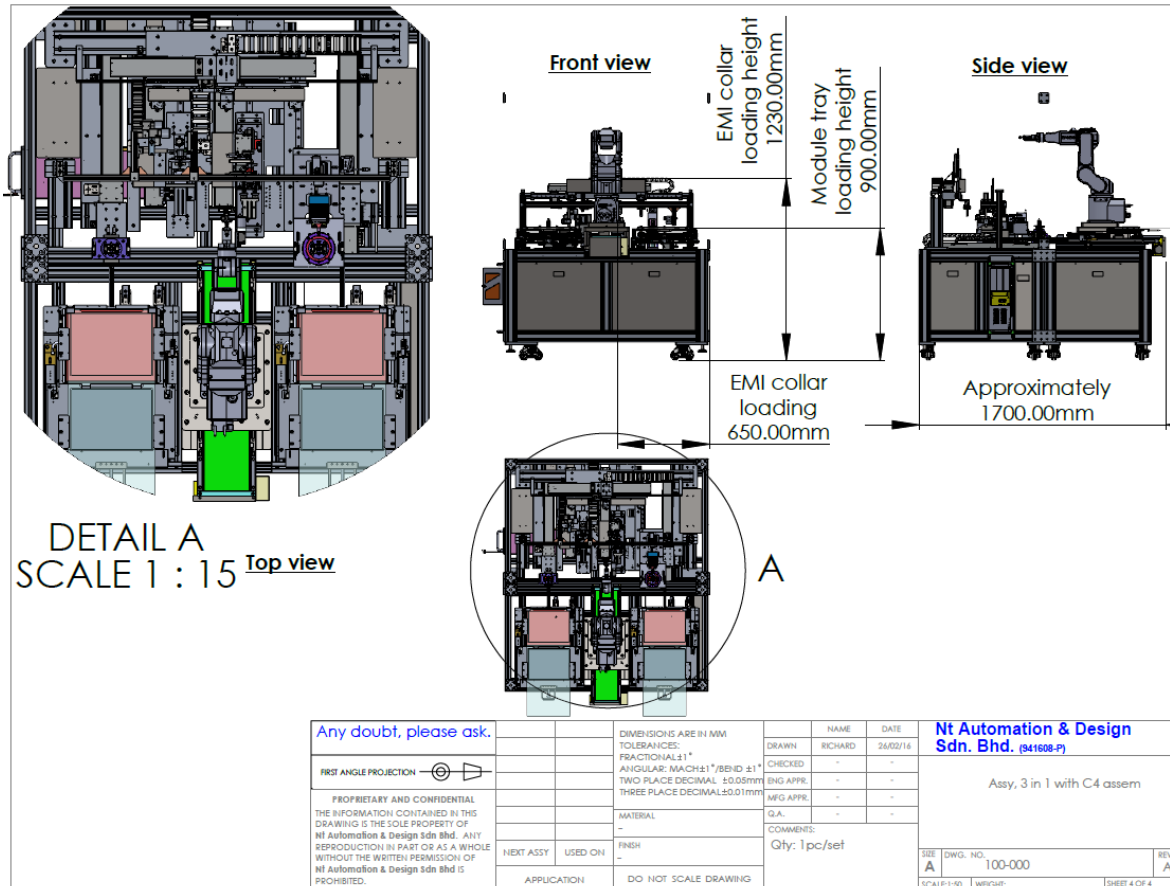
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| A | 100-000 | A |
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3-IN-1 With C4

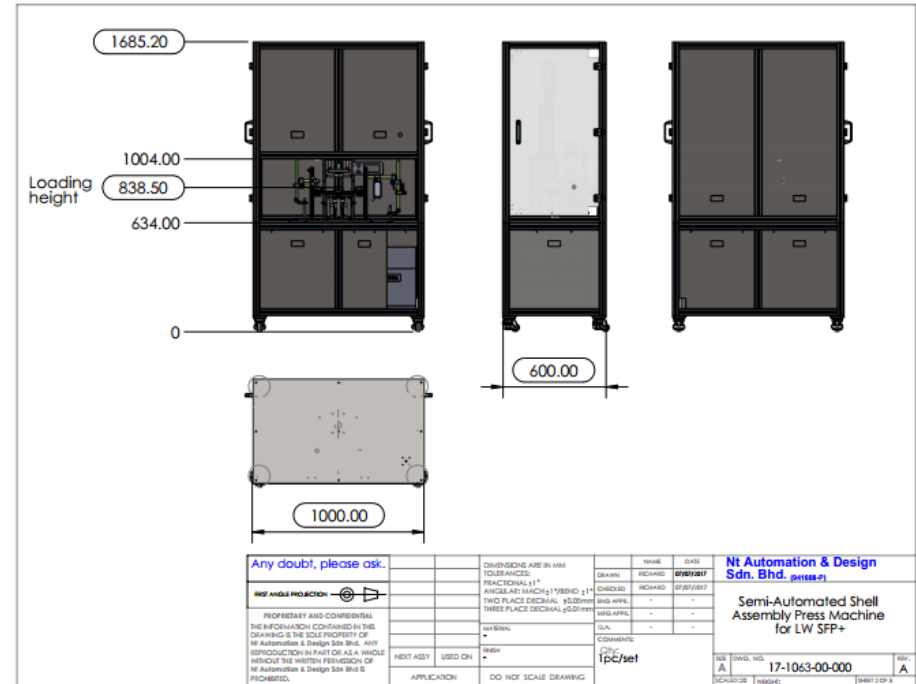
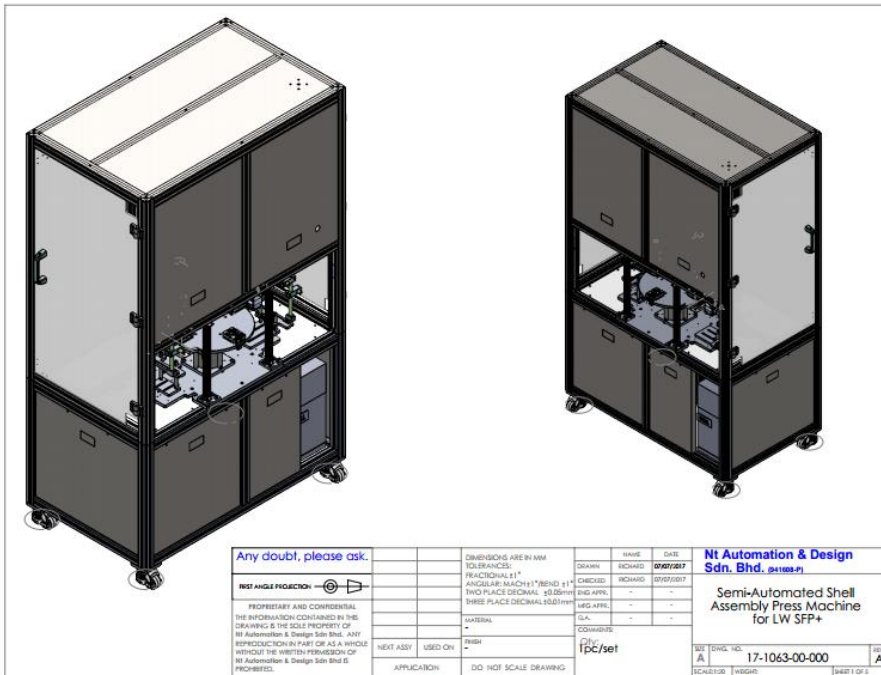




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Semi Automated Shell Assembly Press Machine For LW SFP+

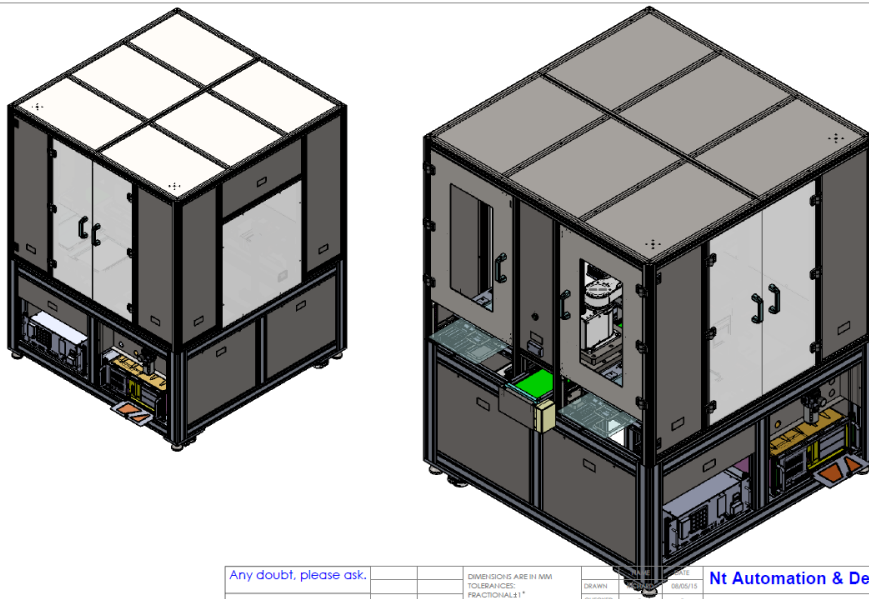






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Inspection machine



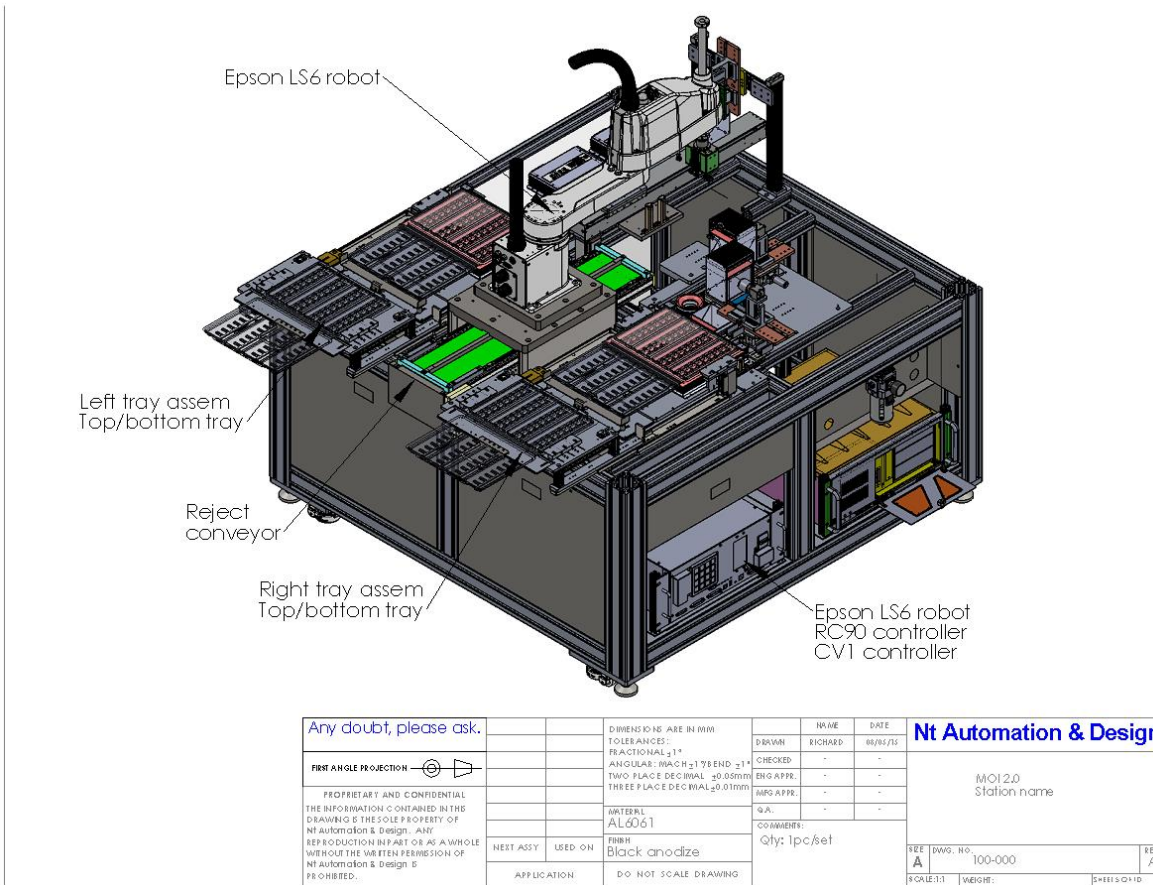
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| Any doubt, please ask. | | | | DIMENSIONS ARE IN MM TOLERANCES: FRACTIONAL ±1* ANGULAR: MACH±1°/DED ±1° TWO PLACE DECIMAL ±0.05mm THREE PLACE DECIMAL ±0.01mm | |  | | Nt Automation & Design | |
| FIRST ANGLE PROJECTION |  | | | | | CHECKED | | MOI 2.0 | |
| PROPRIETARY AND CONFIDENTIAL | | | | MATERIAL AL6061 | | ENG APPR. | | Full assembly | |
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| | | NEXT ASY | | USED ON | | G.A. | | | |
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Inspection machine





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Please Contact :-

- ***Richard Yoong Lip Kong (容烈钢)***
(Managing Director)
China mobile: +86-13926438893
Malaysia H/P: +6016-417 0083
Email: richard@newtech-automation.com

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