



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.

(941608-P)

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.

Your system integration solution partner... Nt



Nt Automation & Design Sdn. Bhd.

(941608-P)

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.



Nt Automation & Design Sdn. Bhd.

(941608-P)

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.



Nt Automation & Design Sdn. Bhd.

(941608-P)

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***

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



Nt Automation & Design Sdn. Bhd.

(941608-P)

Office View :-



Administration Office

Meeting Room



Your system integration solution partner... Nt



Nt Automation & Design Sdn. Bhd.

(941608-P)

Work Shop View :-



Milling & Turning



Cutting & Bending



Stamping & Welding

Your system integration solution partner... Nt



Nt Automation & Design Sdn. Bhd.

(941608-P)

Mechanical Assembly & Electrical Wiring Area :-



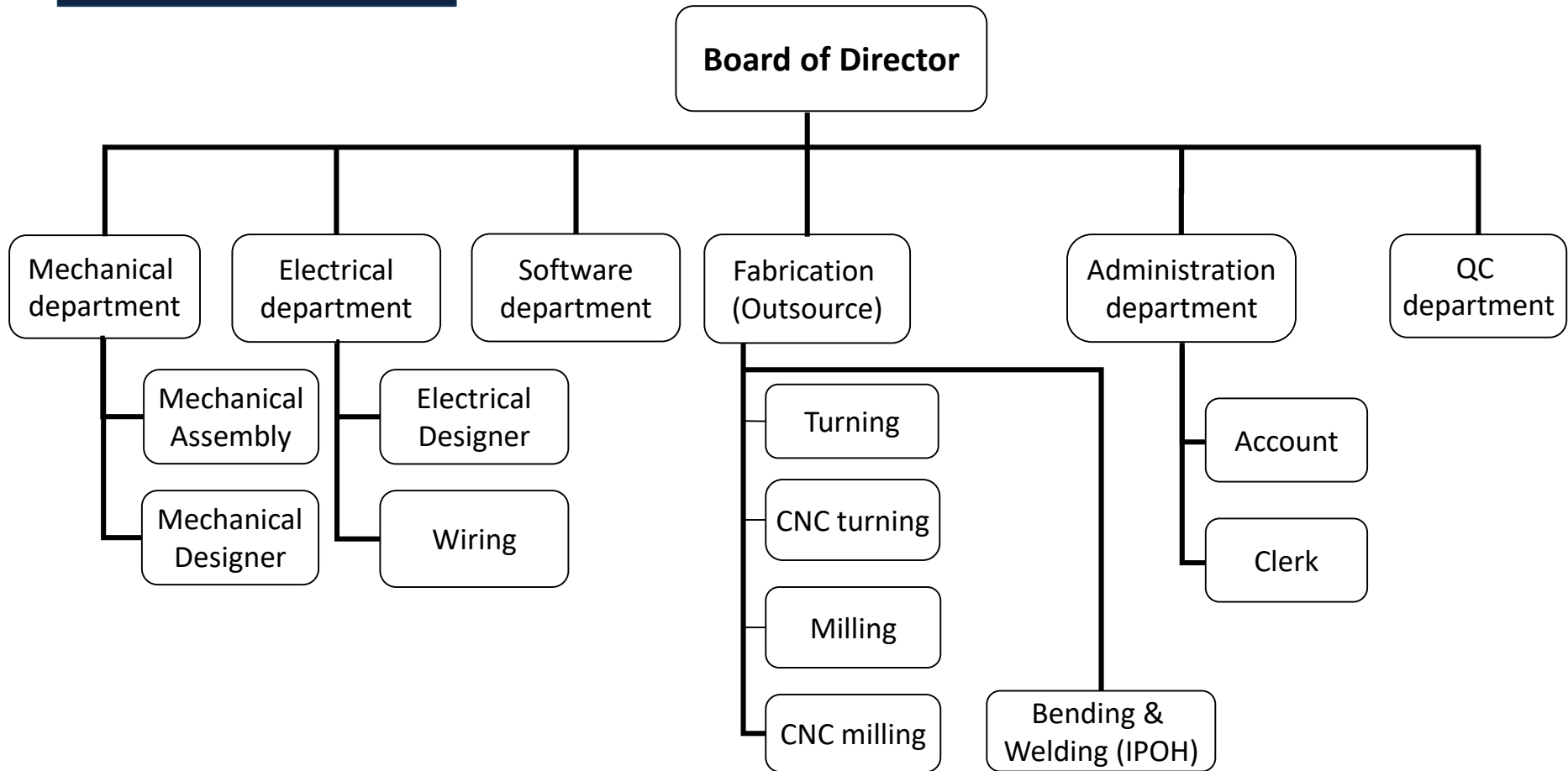
Your system integration solution partner... Nt



Nt Automation & Design Sdn. Bhd.

(941608-P)

Operation Chart :-





Nt Automation & Design Sdn. Bhd.

(941608-P)

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**
EST. 2002 (2008-11)
- **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

Your system integration solution partner... Nt



Nt Automation & Design Sdn. Bhd.

(941608-P)

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***



Nt Automation & Design Sdn. Bhd.

(941608-P)

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



Nt Automation & Design Sdn. Bhd.

(941608-P)

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.**



Nt Automation & Design Sdn. Bhd.

(941608-P)

Tolerances Achievable :-

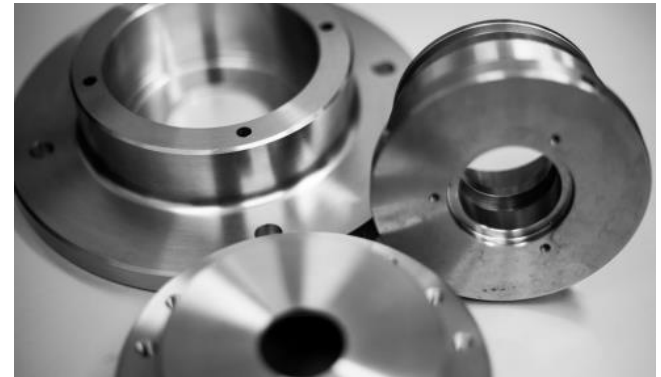
0.05mm or 0.002" for Shaping.

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.





Nt Automation & Design Sdn. Bhd.

(941608-P)

Secondary Process :-

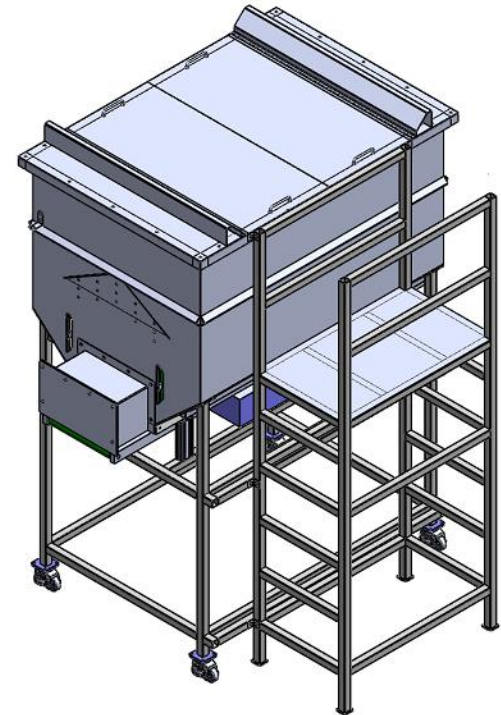
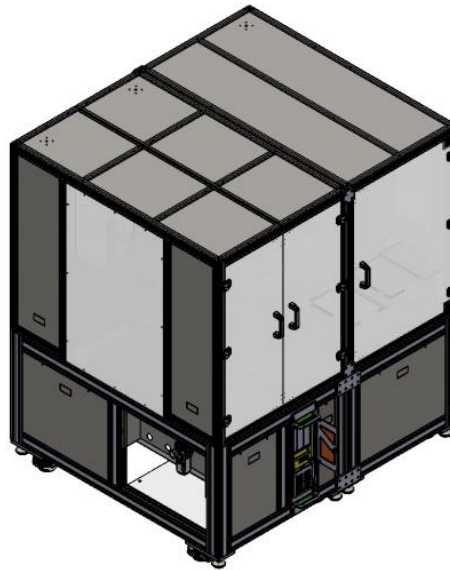
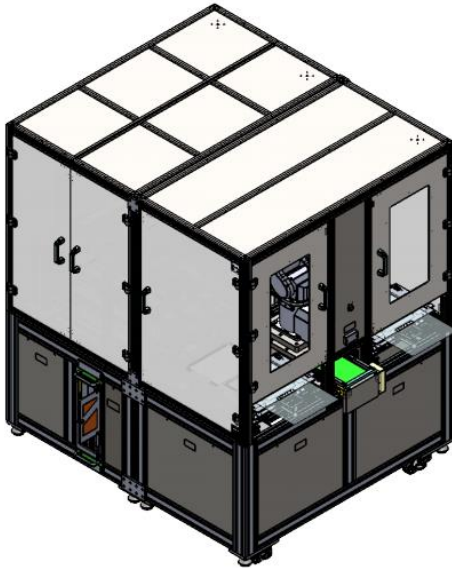
- Hardening.
- Chroming.
- High Blackening.
- Clear & Black Anodize.
- Hard Clear & Black Anodizing.
- Zinc & Nickel Electroplating.
- Welding, Spray Painting & Oven Baked Paint Coating



Nt Automation & Design Sdn. Bhd.

(941608-P)

Machine Design :-



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

Your system integration solution partner... Nt



Nt Automation & Design Sdn. Bhd.

(941608-P)

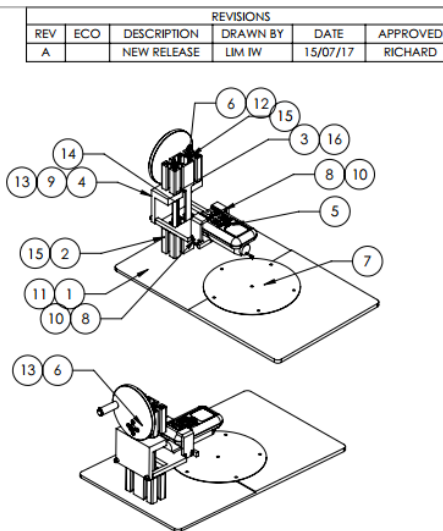
Mechanical Drawing :-

Powered by :



Mechanical Assembly Drawing

BOM Table		
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.

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
Nt Automation & Design Sdn. Bhd. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
Nt Automation & Design Sdn. Bhd. IS
PROHIBITED.

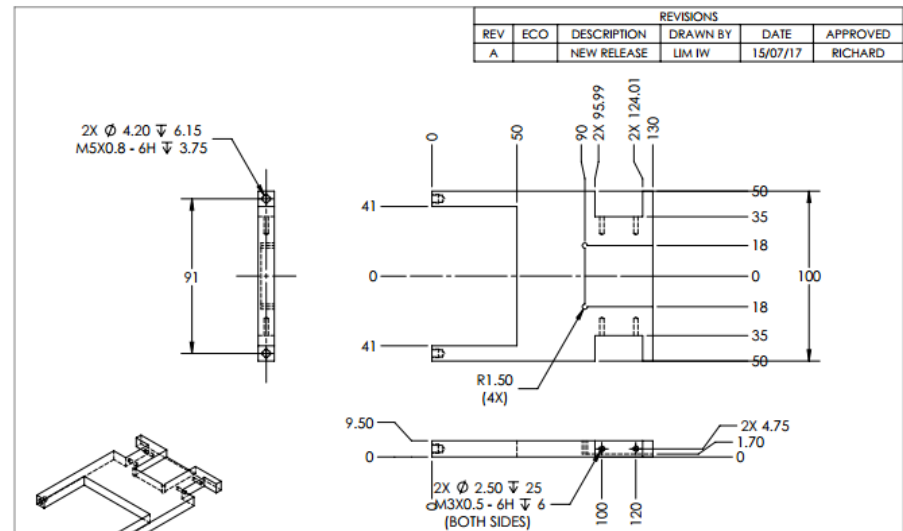
ITEM NO.	DESCRIPTION	QTY.
1	MAIN BASE, WAFER ROUGHNESS JIG	1
2	MISUMI - HFS8-4080-220-HPW	1
3	MISUMI LINEAR BUSHINGS - SLMUB	2
4	VERTICAL MOUNT, WAFER ROUGHNESS JIG	1
5	METER NEST, WAFER ROUGHNESS JIG	1
6	CAM ASSEMBLY, WAFER ROUGHNESS MEASURE	1
7	WAFER - DIA 200 THK 0.85MM	1
8	CLAMP BRACKET, WAFER ROUGHNESS 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

Nt Automation & Design
Sdn. Bhd. (941608-P)

FIXTURE, WAFER,
ROUGHNESS METER

REV	ECO	DESCRIPTION	DRAWN BY	DATE	APPROVED
A		NEW RELEASE	LIM IW	15/07/17	RICHARD

Mechanical Parts Detail Drawing



Any doubt, please ask.

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
Nt Automation & Design Sdn. Bhd. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
Nt Automation & Design Sdn. Bhd. IS
PROHIBITED.

ITEM NO.	DESCRIPTION	QTY.
1	METER NEST, WAFER ROUGHNESS JIG	1

Nt Automation & Design
Sdn. Bhd. (941608-P)

METER NEST,
WAFER ROUGHNESS JIG

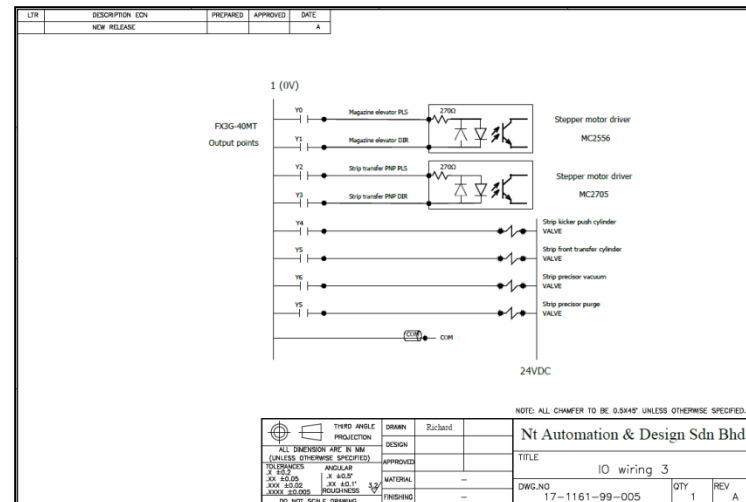
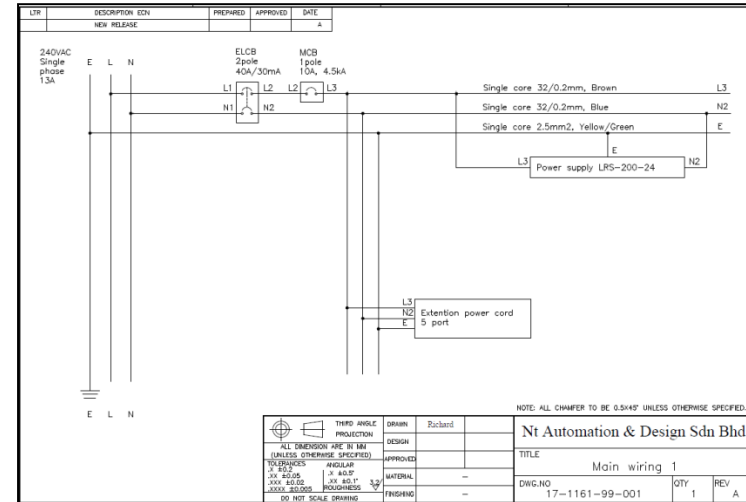
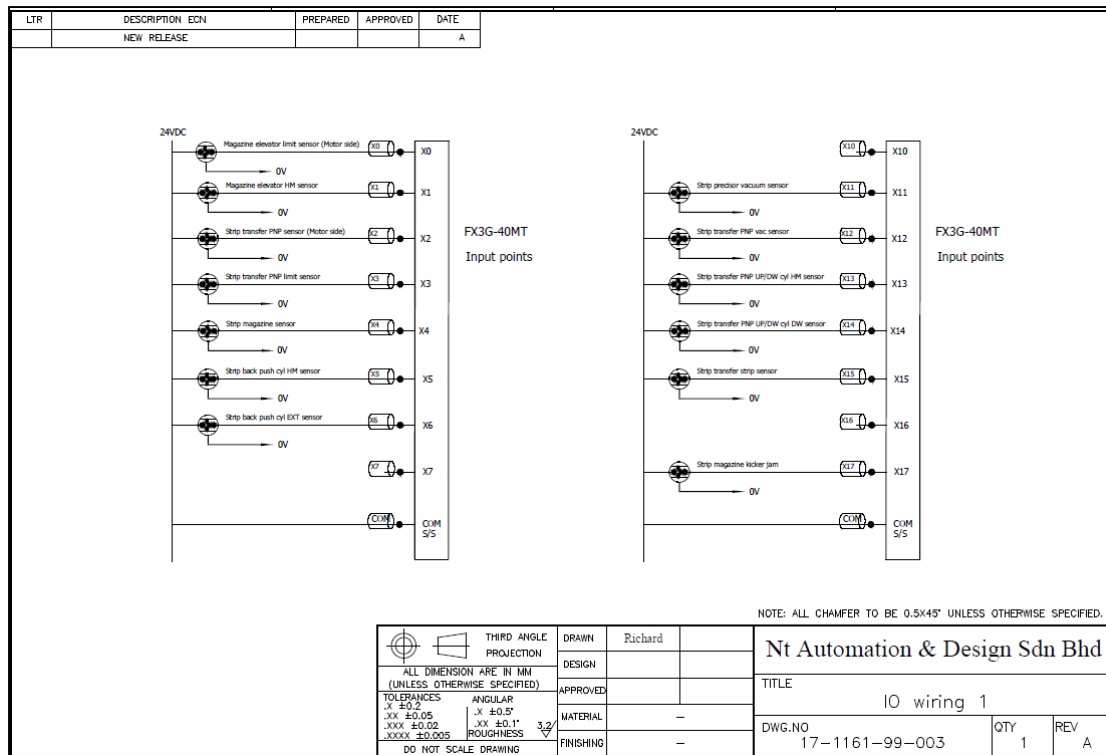
REV	ECO	DESCRIPTION	DRAWN BY	DATE	APPROVED
A		NEW RELEASE	LIM IW	15/07/17	RICHARD



Nt Automation & Design Sdn. Bhd.

(941608-P)

Electrical Cable & I/O List :-

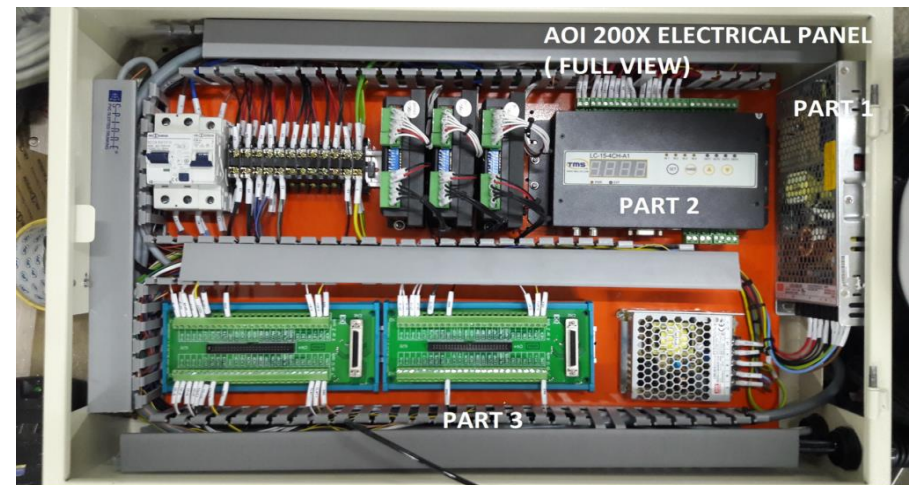
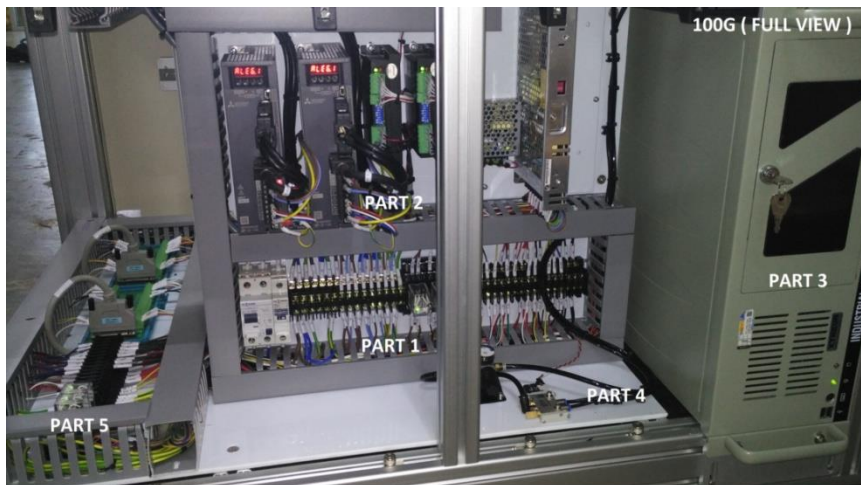




Nt Automation & Design Sdn. Bhd.

(941608-P)

Electrical Control System Design , Assembly & Wiring :-





Nt Automation & Design Sdn. Bhd.

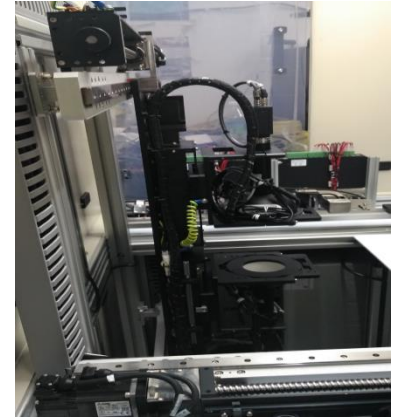
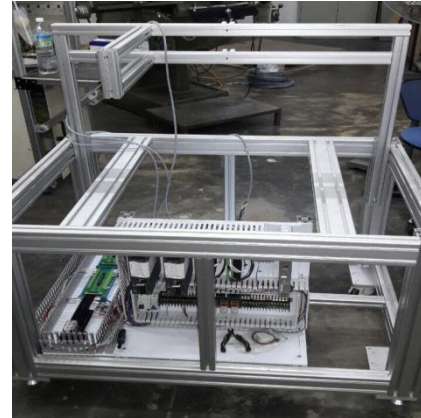
(941608-P)

Some of Our Project (Mechanical) :-

MOI G2.0 Machine



200X LD Inspection AutoVMI Machine



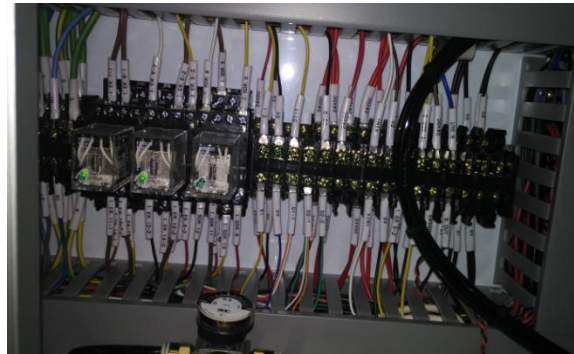
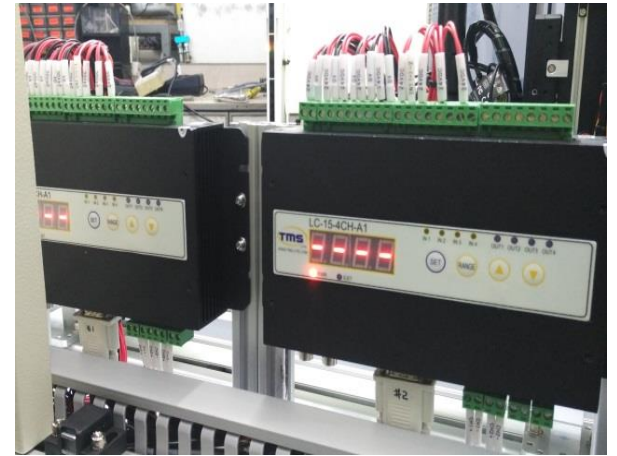
Your system integration solution partner... Nt



Nt Automation & Design Sdn. Bhd.

(941608-P)

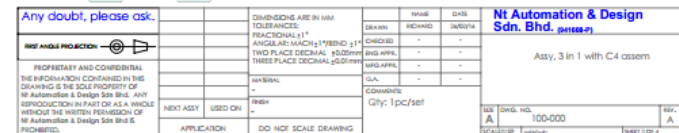
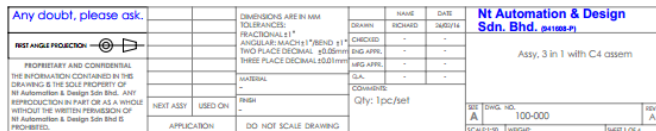
Some of Our Project (Electrical Assembly & Wiring) :-



Your system integration solution partner... Nt



3-IN-1 With C4



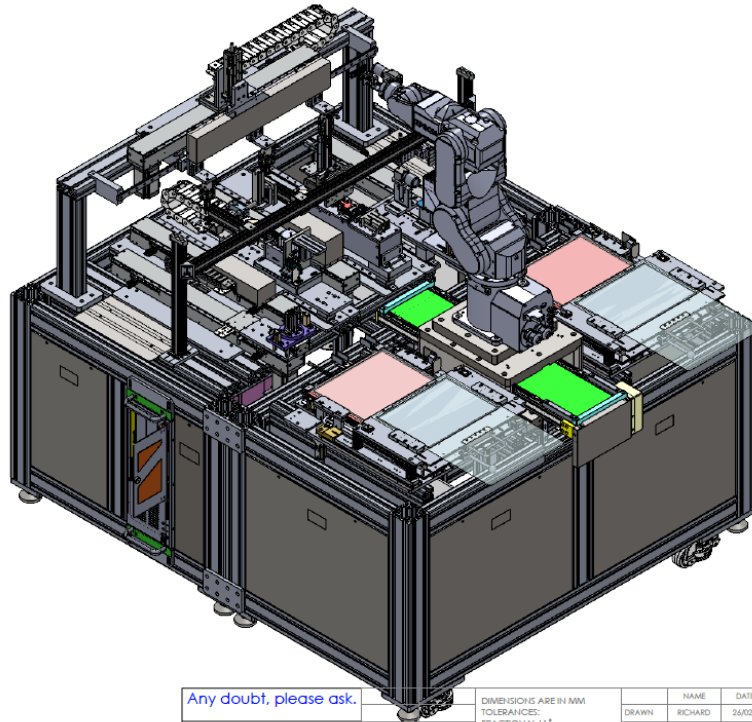
Your system integration solution partner... Nt



Nt Automation & Design Sdn. Bhd.

(941608-P)

3-IN-1 With C4



Any doubt, please ask.

FIRST ANGLE PROJECTION

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
Nt Automation & Design sdn bhd. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
Nt Automation & Design sdn bhd IS
PROHIBITED.

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	

Nt Automation & Design
Sdn. Bhd. (941608-P)

Assy, 3 in 1 with C4 assem

SIZE: A	DWG. NO.: 100-000	REV: A
SCALE: 1:50	WEIGHT:	SHEET 3 OF 4



DETAIL A
SCALE 1:15

Top view

Front view

EMI collar loading height 1230.00mm

Module tray loading height 900.00mm

EMI collar loading 650.00mm

Side view

Approximately 1700.00mm

A

Any doubt, please ask.

FIRST ANGLE PROJECTION

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Nt Automation & Design sdn bhd. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF Nt Automation & Design sdn bhd IS PROHIBITED.

NEXT ASSY USED ON

APPLICATION

DIMENSION IS ARE IN MM

TOLERANCES:
FRACTIONAL ±1°
ANGULAR: MACH ±1°/BEND ±1°
TWO PLACE DECIMAL ±0.05mm
THREE PLACE DECIMAL ±0.01mm

MATERIAL

FINISH

DO NOT SCALE DRAWING

NAME	DATE
RICHARD	24/02/16

CHECKED	DATE
-	-
BNG APPR.	-
MFG APPR.	-
G.A.	-

COMMENTS:

Qty: 1pc/set

Nt Automation & Design Sdn. Bhd. (941608-P)

Assy, 3 in 1 with C4 assem

SHEET	DWG. NO.	REV.
A	100-000	A

SCALE: 1:15

WISAPUR

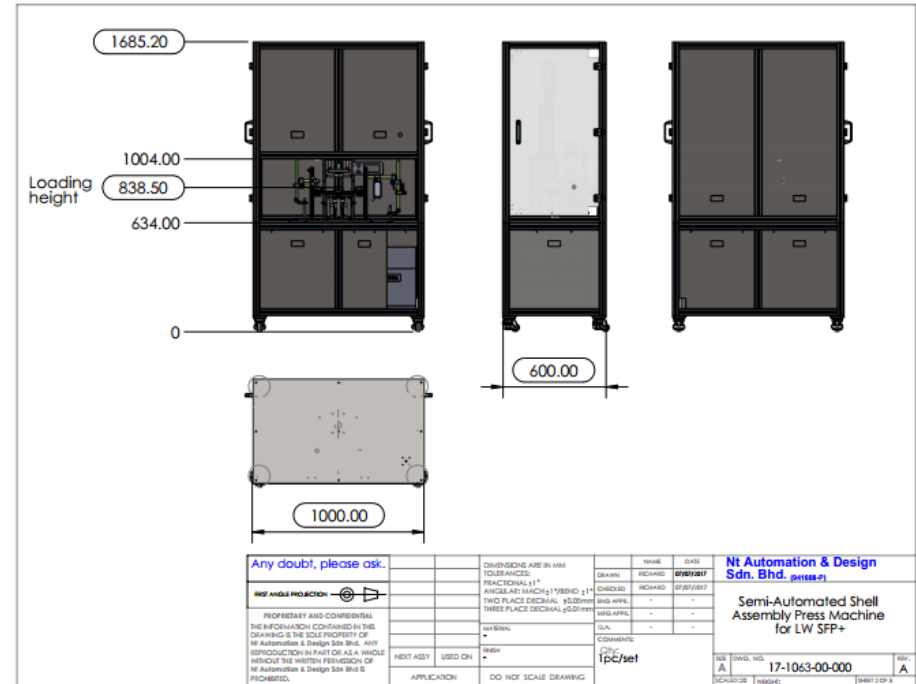
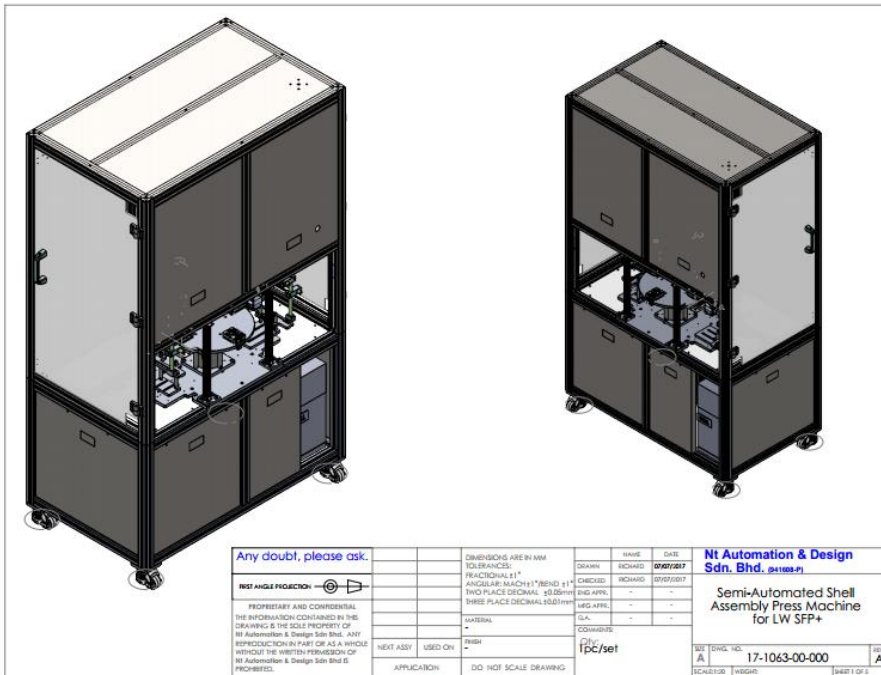
SHEET 4 OF 4



Nt Automation & Design Sdn. Bhd.

(941608-P)

Semi Automated Shell Assembly Press Machine For LW SFP+

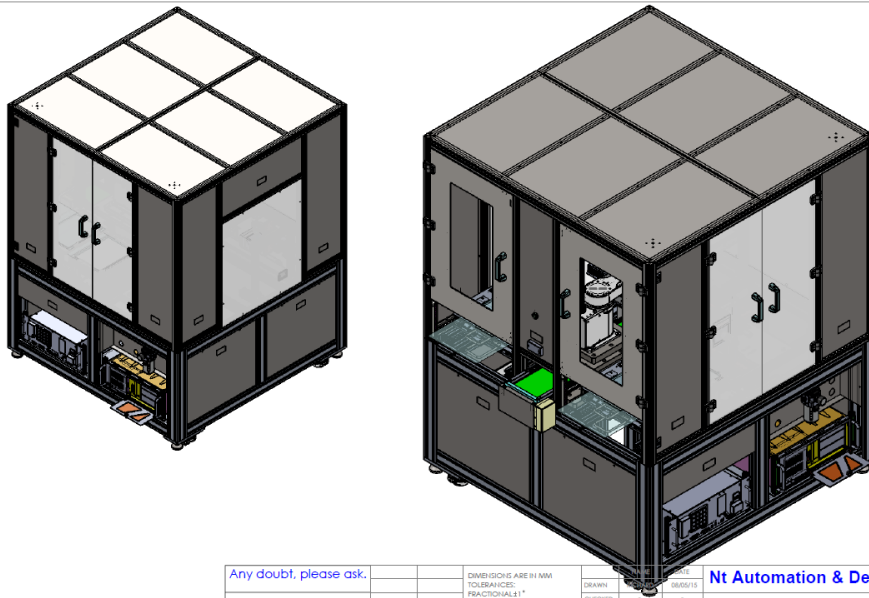






Nt Automation & Design Sdn. Bhd.

(941608-P)

Inspection machine



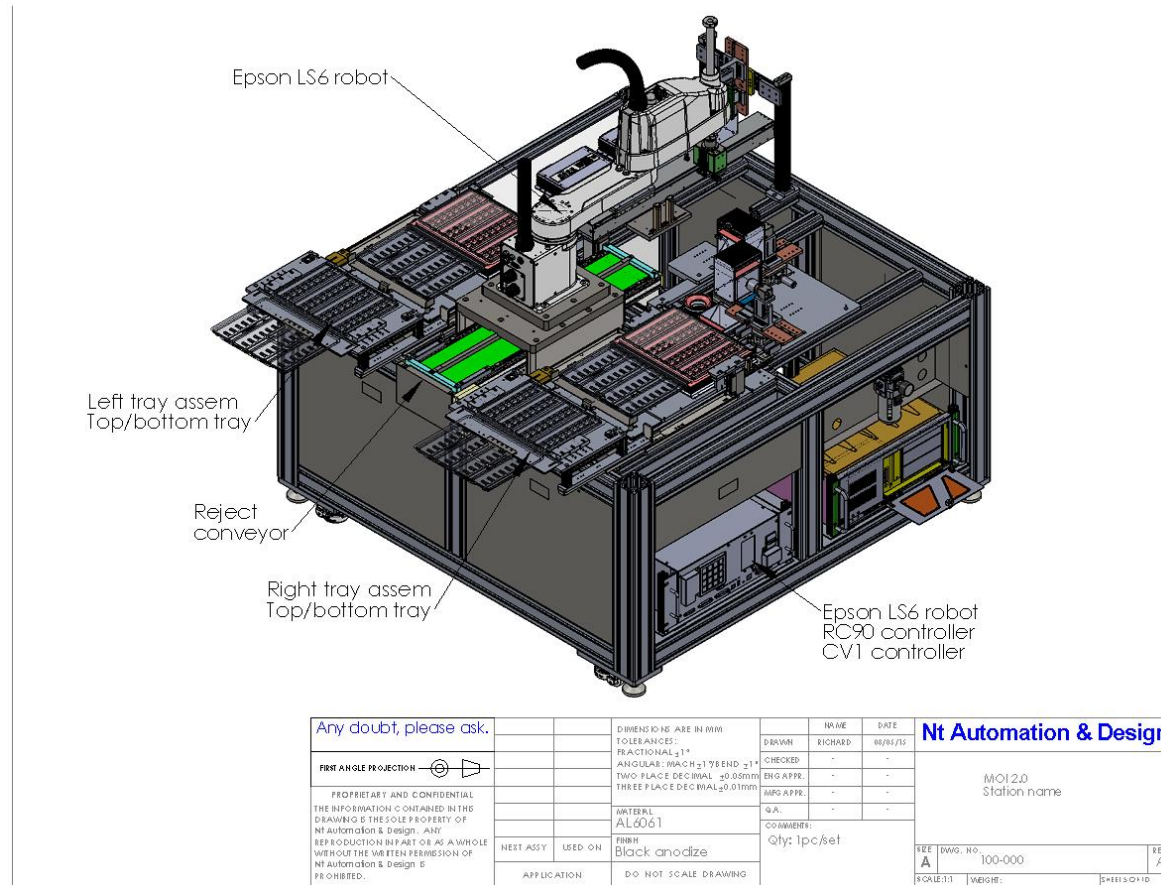
Any doubt, please ask.				DIMENSIONS ARE IN MM TOLERANCES: FRACTIONAL ±1* ANGULAR: MACH±1°/DED ±1° TWO PLACE DECIMAL ±0.05mm THREE PLACE DECIMAL ±0.01mm				Nt Automation & Design	
FIRST ANGLE PROJECTION						DRAWN SHEETS/5		MCI 2.0 Full assembly	
PROPRIETARY AND CONFIDENTIAL				MATERIAL AL6061		CHECKED			
THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF Nt Automation & Design. ANY REPRODUCTION OR TRANSMISSION OF THIS INFORMATION IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF Nt Automation & Design IS PROHIBITED.				NEXT ASSEMBLY USED ON		ENG APPR.			
				DRAWN		G.A.			
				APPLICATION		COMMENTS			
				Black anodize		Qty: 1pc/set			
				DO NOT SCALE DRAWING					
						REV. A		DWG. NO. 100-000	
						SCALE		WEIGHT	
								SHEET 1 OF 1	



Nt Automation & Design Sdn. Bhd.

(941608-P)

Inspection machine





Nt Automation & Design Sdn. Bhd.

(941608-P)

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

REV 1.1 - MIDA