



LASER AUTOMATION ENGINEERING SDN BHD

COMPANY NO: 389331-V



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ABOUT US

Factory Floor Area



36,000 Sq. Ft.

Machines



>74 Units

Manpower



>150 Staffs

ISO Certification



Cert. No: MY10229A
ISO 9001: 2015

LMW: B10-G6-2020-00000001



CHINA

Smartlink Precision Industries
(Leshan) Co., Ltd.
No. 5 Jianye Avenue, Hi-Tech
Park, Leshan, Sichuan, China.

MALAYSIA

Laser Automation Engineering
Sdn. Bhd.
No.4, Jalan Lada Sulah 16/11,
Seksyen 16, 40200 Shah Alam,
Selangor Darul Ehsan, West
Malaysia.

INDONESIA

PT LA Innomation Engineering
(Indonesia)
Jln Gaharu 1, Blok F2, No 10i,
Kawasan Industri Delta Silicon
2, Desa Cicau, Cikarang Pusat,
Bekasi 17530, Indonesia.

OUR VISION



Leading the service-providing space for all engineering solutions.

OUR MISSION

- L**ow-cost producer
- A**ccurate quality control
- S**mart solution manufacturer
- E**xact delivery time
- R**eliable service provider



OUR CUSTOMERS

The company currently services some of the major industries in countries such as Malaysia, Japan, Switzerland, Singapore, Italy, China, Vietnam and Indonesia, to name a few:



Besi APac Sdn. Bhd.
Besi Singapore Pte. Ltd.
Besi Spares & Tooling Ltd.
Besi Leshan Co. Ltd. China
Besi Switzerland AG



IMA Automation (M)
Sdn. Bhd.
IMA Medtech Switzerland SA
IMA S.p.A Italy



COHU Malaysia Sdn. Bhd.
Delta Design Philippines
LLC Ismeca Europe
Semiconductor SA



Upeca Aerotech
Sdn. Bhd.



Spirit AeroSystems
Malaysia Sdn. Bhd.



Progressive Components



Koerber Technologies
Sdn. Bhd.



Serac Asia (M) Sdn. Bhd.



Omron Malaysia Sdn. Bhd.



Tateyama Auto Machine.
Co (M) Sdn. Bhd.



Ciposa SA Switzerland



IKA Works (Asia) Sdn Bhd

OUR AWARDS



OUR HISTORY

Laser Automation Engineering began its manufacturing business on April 01, 1992. The company has experienced phenomenal growth since inception and made enormous strides forward by achieving its mission. This has positioned the company to be future-ready in the face of challenges over the next decade.

In 1997, Laser Automation Engineering Works experienced a significant change as it evolved into Laser Automation Engineering Sdn. Bhd.



OUR MISSION

We take pride in offering fast, reliable, quality-centered services and workmanship.

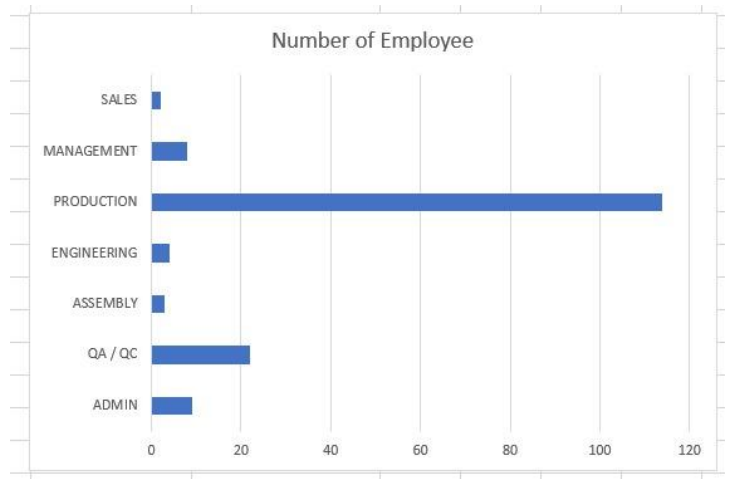
With a team of well-trained professionals, we provide the best quality services through our High-Mix Low-Volume (HMLV) manufacturing. This model is built around delivering customer satisfaction at a reasonable price. In being compliant with our business mission today, we ensure the herald of a bright and exciting tomorrow.

OUR TEAM

The Laser Automation Engineering Sdn. Bhd. family is made up of about 150 passionate employees. This team of dedicated individuals have expertise ranging from engineering design to product manufacturing. Our team is led by our Managing Director, Mr. Sim Cher Khim, who brings a wealth of experience in the manufacturing business.



Number of employees



OUR FACILITIES

Our provision of high-quality products is made possible using latest equipment, sophisticated machinery, and computerized systems (i.e., UG CAD/CAM).

MACHINE NAME		SIZE (X, Y, Z)	UNIT
A 5 Axis CNC Machining Centers			
1.	Deckel Maho DMU 50	(500 x 450 x 400) mm	1
2.	Deckel Maho DMU 70	(750 x 600 x 520) mm	1
3.	Okuma MU-6300V (L)	(925 x 1,050 x 600) mm	1
4.	Okuma MU-400V II	(762 x 460 x 460) mm	1
5.	Mazak VARIAXIS i-500	(350 x 550 x 510) mm	1
Total			5
B Horizontal CNC Machining Center			
1.	Mazak HCN-5000	(730 x 730 x 800) mm	1
C CNC Machining Center with Rotary Chuck (4th axis)			
1.	Okuma Genos M560-V-e	(1,050 x 560 x 460) mm	1
D CNC Lathe With Milling Function (Turn Mill)			
1.	Okuma Genos L200E-e	Diameter 200 x 380 mm	1
E 3 Axis CNC Machining Centers			
1.	LK GS-1016	(1,600 x 1,000 x 350) mm	1
2.	Doosan DNM 5700	(1,050 x 570 x 510) mm	4
3.	Doosan DNM 750II	(1,630 x 762 x 650) mm	1
4.	Deckel Maho DMC 635V	(635 x 510 x 460) mm	1
5.	Okuma MB 46-VAE-R	(762 x 460 x 460) mm	1
6.	Okuma Genos M460-VE	(762 x 460 x 460) mm	1
7.	Okuma Genos M560-V	(1,050 x 560 x 460) mm	2
8.	Okuma MB66VA	(1,500 x 660 X 660) mm	1
9.	Mikron VCE 800 Pro	(800 x 500 x 540) mm	1
Total			13



OUR FACILITIES

MACHINE NAME		SIZE (X, Y, Z)	UNIT	
F Compact Machining Centers				
1.	Brother	S700X1	(700 x 400 x 300) mm	5
2.	Brother	S700X2	(700 x 400 x 300) mm	2
3.	Brother (4+1 Axis)	M140X2	(440 x 200 x 300) mm	1
4.	Brother (4+1 Axis)	M300X3RD	(440 X 300 X 305) mm	1
Total			9	
G CNC Lathe Machines				
1.	Okuma	LCS-15E	Diameter 270 x 300 mm	1
2.	Okuma	SR-L270E-II	Diameter 270 x 300 mm	3
Total			4	
H CNC Wire Cut EDM Machines				
1.	Charmilles Cut	E600	(600 x 400 x 350) mm	1
2.	Charmilles Robofil	290P	(400 x 250 x 200) mm	1
3.	Charmilles Robofil	240SL	(350 x 220 x 220) mm	1
4.	Charmilles Robofil	2020SI	(990 x 505 x 150) mm	1
5.	Sodick	ALN-400G	(400 x 300 x 220) mm	1
6.	Sodick	AG600L	(600 x 400 x 350) mm	1
7.	Winmac	DK7735	(350 x 450 x 300) mm	1
8.	HZHF	HF400MZQ	(450 x 550 x 300) mm	1
9.	HZHF	HF500MZQ	(500 x 630 x 300) mm	1
Total			9	



OUR FACILITIES

MACHINE NAME		SIZE (X, Y, Z)	UNIT
I Electric Discharge Machines			
1.	Charmilles Form P350	(350 x 250 x 220) mm	1
2.	ARD (CNC EDM) M50CA	(400 x 300 x 300) mm	1
3.	Chmer (NC EDM) 323NZ	(350 x 250 x 150) mm	1
Total			3
J Super Drill EDM			
1.	Castek SD20P	(300 x 200 x 150) mm	1
2.	Castek FD22	(300 x 200 x 270) mm	1
Total			2
K Surface Grinding Machines			
1.	Okamoto ACC-52DX	(550 x 200) mm	2
2.	Okamoto ACC-450DX	(450 x 200) mm	2
3.	Okamoto ACC-350DX	(350 x 150) mm	2
4.	Okamoto ACC-156ST	(1,500 x 600) mm	1
5.	Seedtec 618H	(450 x 200) mm	1
6.	Seedtec 1228AH	(700 x 400) mm	1
7.	Gooda HG-1625NC	(2500 x 1400) mm	1
Total			10
L Cylindrical Grinding Machines			
1.	Okamoto – OGM 390UEXB	(Ø 300 x 900 L) mm	1
2.	Okamoto – OGM 250UST	(Ø 200 x 500 L) mm	1
3.	Jackmill - JMC 600 AGC	(Ø 270 x 600 L) mm	1
Total			3
M Precision Lathe Machines			
1.	Ikegai AM-20	(Ø 500 x 1,000) mm	1
2.	Dalian 6626B	(Ø 660 x 1,000) mm	1
3.	Liouy–Hsing La530	(Ø 530 x 1,100) mm	1
4.	Liouy–Hsing La430	(Ø 430 x 1,100) mm	1
5.	Liouy–Hsing PMT460	(Ø 460 x 1,500) mm	1
6.	Denver 1640	(Ø 450 x 1,000) mm	1
Total			6

OUR FACILITIES

MACHINE NAME	SIZE (X, Y, Z)	UNIT
N Con-Milling Machines		
1. V-Tech	(1,000 x 500) mm	2
2. CKS	(1,000 x 500) mm	1
3. Eumega	(1,000 x 500) mm	2
4. Pinnacle	(1,000 x 500) mm	1
5. Rambo	(1,000 x 500) mm	1
6. Millmate	(1,000 x 500) mm	2
7. BFW	(1,000 x 500) mm	1
8. Manford	(1,000 x 500) mm	2
Total		12
O Engraving / Marking Machine		
1. CNC Desktop -Roland EGX-300		1
2. Laser marking -Aohua AHG-FB20		1
Total		2
P Tool Pre-setter		
1. Hathor – 206		1
Q Laser / Argon / MIG		
1. Laser Welding (TY-WY200A)		1
2. AC/DC Welding Machine (Tig)		2
3. Pro EVO MIG 280 (Mig)		1
Total		4
R Buffing Machine		4
S Sand Blasting Machine		2
T Hydraulic Press Machine 100 Tons		1
U Ultrasonic Machine		1
V Magnetic Tumbling Machine		1

OUR SYSTEM SOFTWARE

Our company utilizes state-of-the-art software systems to ensure optimization of production takes place throughout the supply chain.

1 Production		
a	CAD/CAM Software	NX 1892 and above
b	CAD Software	Bricscad Pro 2012 Zwcad 2017
2 Sales		
a.	Customized Database System	ERP System
3 Account		
a.	UBS System	UBS Accounting System 9.1



MANUFACTURING PROCESS

Using optimization as the centerpiece to our manufacturing process, we have outlined and assigned each task specific to our services.



PRODUCTION FLOOR / MATERIAL

Our production area is divided into the following sections:

- CNC Milling 3-5 Axis
- CNC Turning
- S. Grinding & Cylindrical Grinding
- CNC EDM & wire cut
- Bending & welding



Range of Material:

1) Steel

Machinery Steel, Tool Steel, Cold Work Steel, Hot Work Steel, Plastic Steel, High Tensile Steel, High Speed Steel, Stainless Tool Steel

2) Stainless Steel

SUS 301, SUS 303, SUS 304, SUS 316, SUS 630

3) Aluminium

2017, 2024, 5052, 5083, 6061, 6082, 7075

4) Engineering Plastic

PA6, POM, PEHD, Teflon, PP, PU, PC, Peek, Semitron, Torlon, Vespel, ESD Acrylic, Tecasint

5) Red Metal

Brass, Bronze, Copper, Chromium Copper, Beryllium Copper

6) Another Metal

Carbide (K10-K20), Ceramic, Titanium Alloy (G2-G5), Gray/Ductile Iron (GG20-GG30, GGG400-GGG600)



SUB-MODULE ASSEMBLY

We continue to move a step further to position ourselves stronger in accommodating current market needs. This is achieved through our ability to offer a one-stop solution for production of precision-engineered systems, sub-modules assemblies, and high-precision parts and components.



Leveraging on the complementary skills, technologies, and capabilities of our manufacturing centers, we are capable in delivering integrated and cost-effective solutions to cater to the specific outsourcing needs of our global customers.



Jig : Lamp Check



Jig : Bending Jig (Tube)

QUALITY CONTROL

We implement quality management and assurance to ensure manufactured products are up to the highest standards and expectations of our clientele. The currently employed ISO 9001:2015 standards into our quality system ensures it can be achieved with detailed precision.

Using effective tools for machining to produce parts in a quick, reliable, and high-quality fashion, along with machine upgrading and on-time maintenance, we can develop customized solutions for complex challenges.

	MACHINE NAME	SIZE (X, Y, Z)
1	CNC CMM (Mitutoyo & Wenzel)	
a.	Apex 504	(500 x 400 x 400) mm
b.	LH87	(800 x 1,500 x 700) mm
c.	CRYSTA-Apex V9166	(900 x 1,600 x 600) mm
	WM Quartis R2020-2 (CMM software) Measurement and programming can be executed online or offline	
2	Vertical Height Gauge (Trimos & Tesa)	
a.	V 600 C+	(Height: 600 mm)
b.	Mestra 600	(Height: 600 mm)
c.	Vertical 3	(Height: 1,000 mm)
d.	V9-700	(Height: 700 mm)
e.	V304+	(Height: 400 mm)
3	Smartscope	
a.	Keyence LM1000	(206 x 225 x 125) mm
b.	Schut DeMeet-400	(400 x 250 x 200) mm
c.	Nikon MM-11	(45 x 50) mm
4	Profile Projector (Mitutoyo)	
a.	PH350	(100 x 150) mm

QUALITY CONTROL

5 Digimatic Calipers (Mitutoyo & Others)

(150, 200, 300 , 500, 600, 1,000)L mm

6 Micrometer (Mitutoyo & Others)

(0~25, 0~50, 25~50, 50~75, 75~100, 100~125, 125~150, 150~175, 150~300) mm

7 Digimatic Micrometer (Mitutoyo & Others)

(0~25, 25~50, 50~75, 75~100, 100~125, 125~150, 150~175) mm

8 Holtest Inside Micrometer (Mitutoyo & Others)

(6~8, 8~10, 10~12, 12~16, 16~20, 20~25, 25~30, 30~40, 40~50, 50~63, 62~75, 74~87, 87~100, 100~125, 125~150, 150~300) mm

9 Techlock

GS-719N

10 Coating Thickness Gauge

Positector 6000



QUALITY CONTROL

1 Pin Gauge (0.01 step up) (0.22 ~ 13.00) mm	8 Integrated Hardness Tester (Time) TH130 (HRA, HRB, HRC)
2 Go / NoGo Gauge (1.0 ~ 12.0) mm	9 Surface Roughness Tester (Mitutoyo) SJ210,SJ500 (Ra, Ry, Rz)
3 Go / NoGo Plug Gauge (13.0 ~ 100.0) mm	10 Go / NoGo Surface Roughness Plate Gauge SPI 30-695-1
4 Go / NoGo Thread Gauge M2 ~ M12	11 Granite Inspector Surface Plate (600 x 900) mm Surface Plate (700 x 1,000) mm
5 Go / NoGo Ring Thread Gauge M2 ~ M20	12 Roughness Specimen Set Insize-ISR-CS130
6 Block Gauge (0.50 ~ 100.00) mm	13 Punch Former PNH-PS
7 Rockwell Hardness Tester HR 150A (HRA, HRB, HRC)	14 Bench Center RSK No.1 (Ø300 x 400) mm

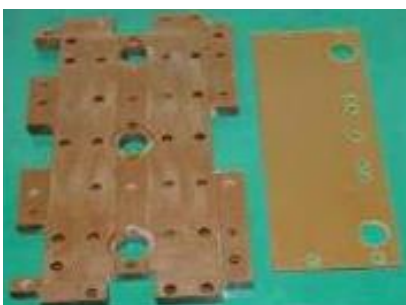
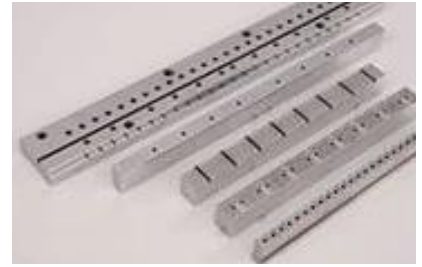


EQUIPMENT



FABRICATION PRODUCTS

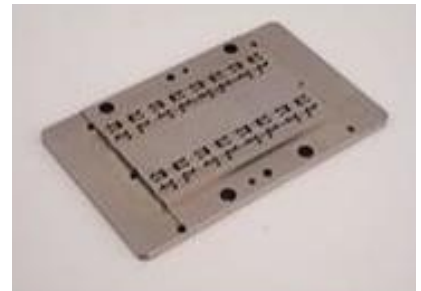
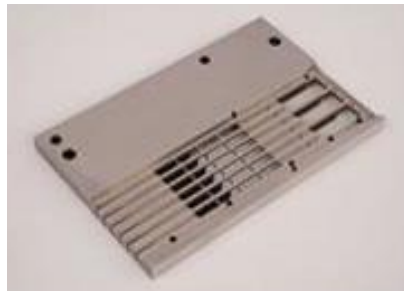
As an experienced manufacturer of industrial automation systems and machinery, we possess our own machining and tooling capabilities, and facilities for fabrication of special parts, as well as jigs and fixtures.



Precision Machining CNC Milling & CNC Turning - 10um ~ 30um

FABRICATION PRODUCTS

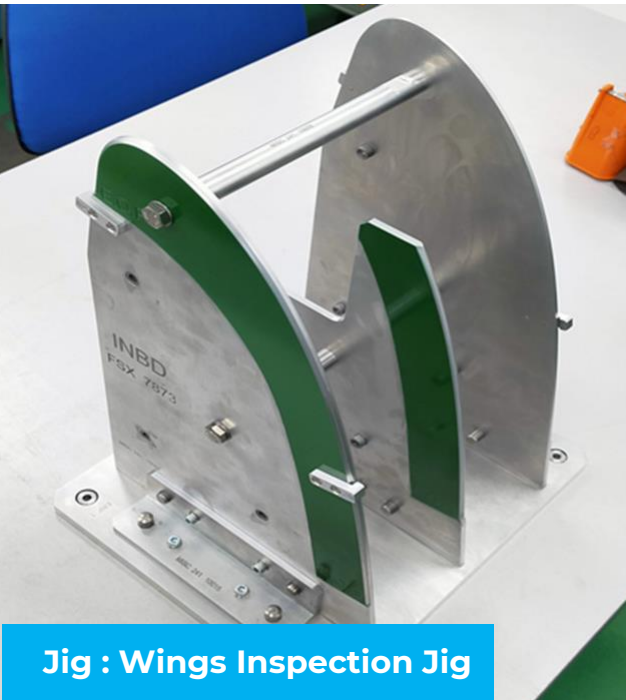
Precision Wirecut
& EDM Parts 5um ~
10um



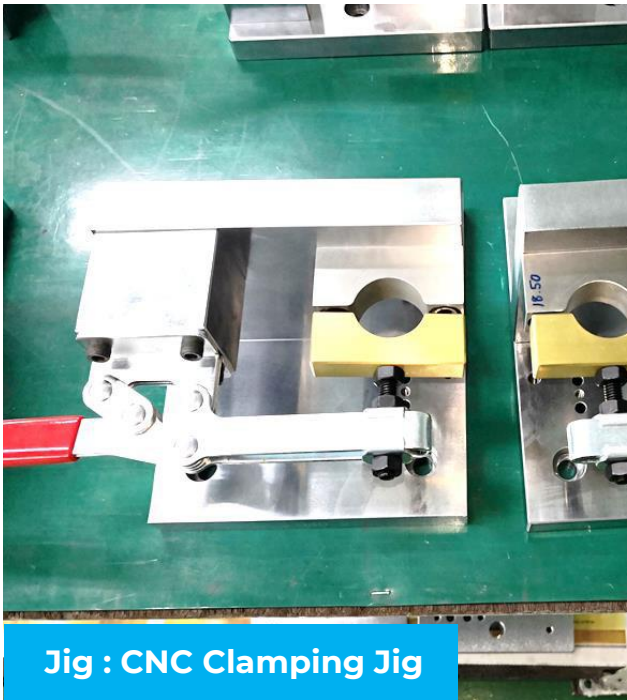
Casting
components &
Equipment Spare
Parts



JIG & FIXTURES ASSEMBLY



Jig : Wings Inspection Jig



Jig : CNC Clamping Jig

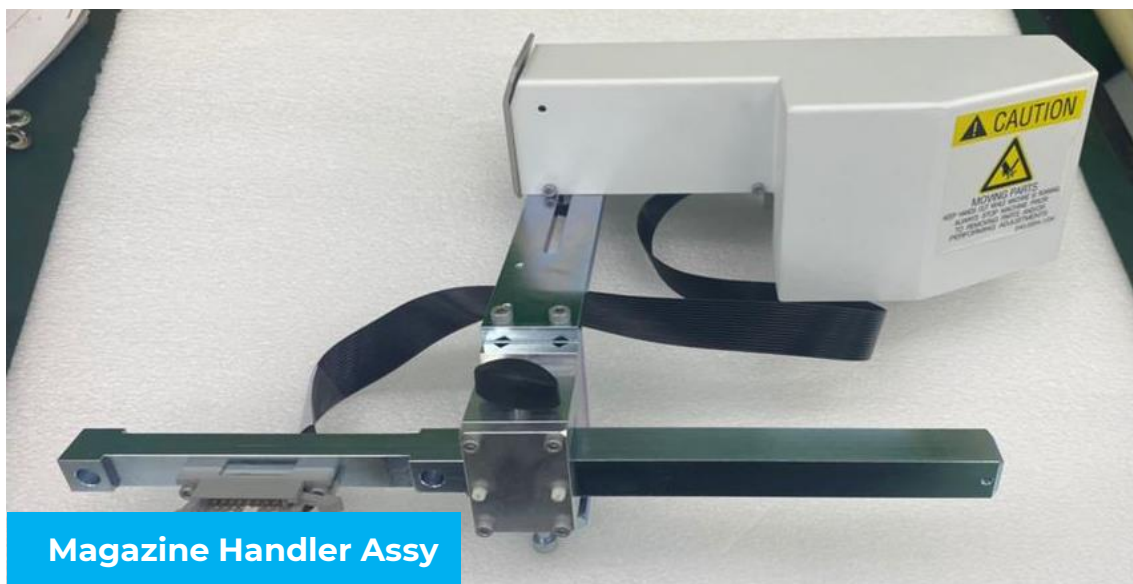


Jig & fixtures

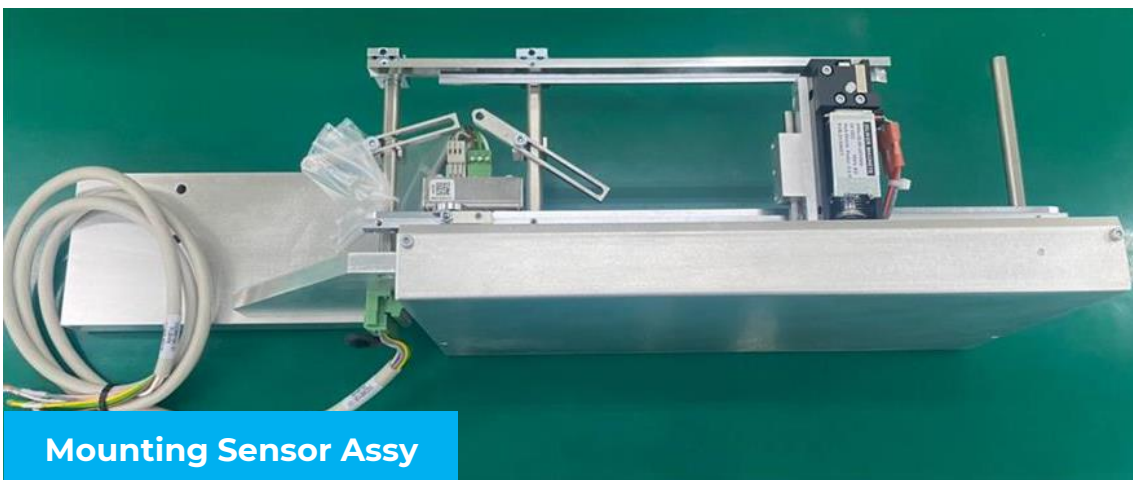
MECHANICAL ASSEMBLY



Bondhead Assy



Magazine Handler Assy



Mounting Sensor Assy

MODULE ASSEMBLY

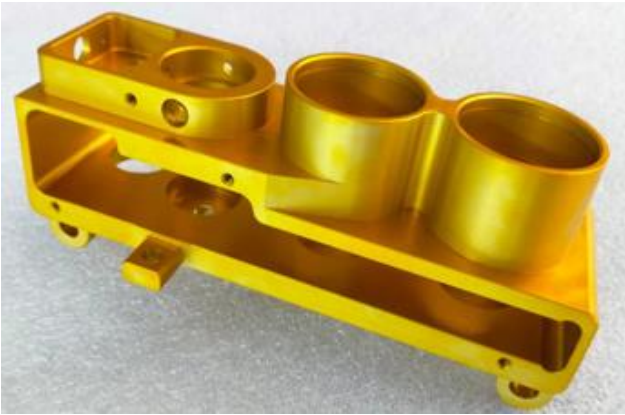
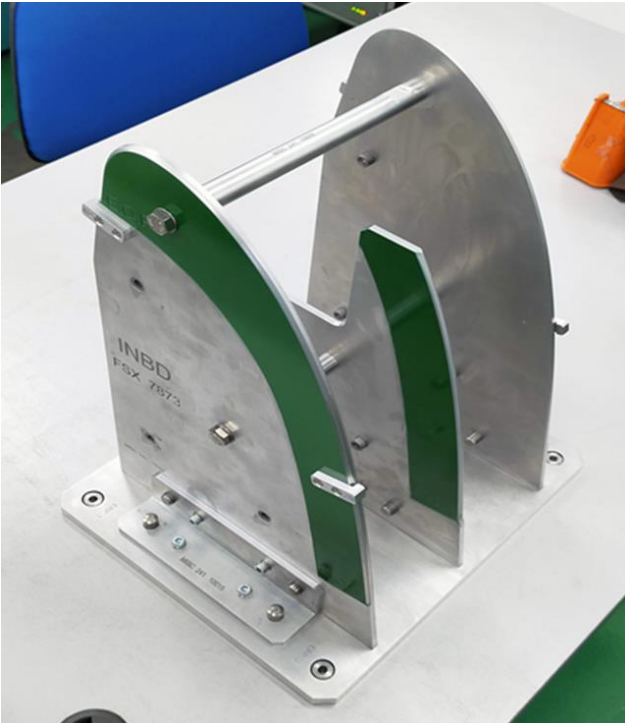


Y-Axis Friction Testing



Push-in assembly 2 SSI Testing

OUR PRODUCTS



Aerospace



OUR SERVICES



We provide SOLUTIONS
not just SERVICES

Our expertise allows for us to meet the increasing demands of timely service before, during and after a sale. We continuously reassess our services to strive for excellence and support capabilities – revising them when the need arises to remain competitive and foster new business partnerships.

Heat treatment process

- Normalizing & tempering, press tempering
- Vacuum hardening
- Carburizing & annealing
- Induction hardening & flame hardening
- Plasma nitriding & sulfur nitriding
- Tenifer-QPQ
- Sub-zero treatment - 140°C ~ 180°C

Surface treatment process


- Zinc plating - Black, white & blue, rainbow, etc.
- Blackening (black oxide)
- Nickel chrome
- Parkerizing
- Hard chrome / black chrome
- Anodizing-colorless / colored / hard, etc.
- Electroless nickel / Teflon coating

PVD coating process


- TiN (Titanium nitride)
- TiCN (Titanium carbonitride)
- CRN (Chromium nitride)
- TiAlN (Titanium aluminium nitride)


CONTACT US


LASER AUTOMATION ENGINEERING SDN. BHD.
(389331-V)

 No 4, Jalan Lada Sulah 16/11, Sec 16,
40200 Shah Alam, Selangor Darul Ehsan. West Malaysia.

 603 5519 1961 (Hunting Line)

 603 5519 8548

 www.laengineering.com.my

 laser@laengineering.com.my



Laser Automation
Engineering Sdn Bhd