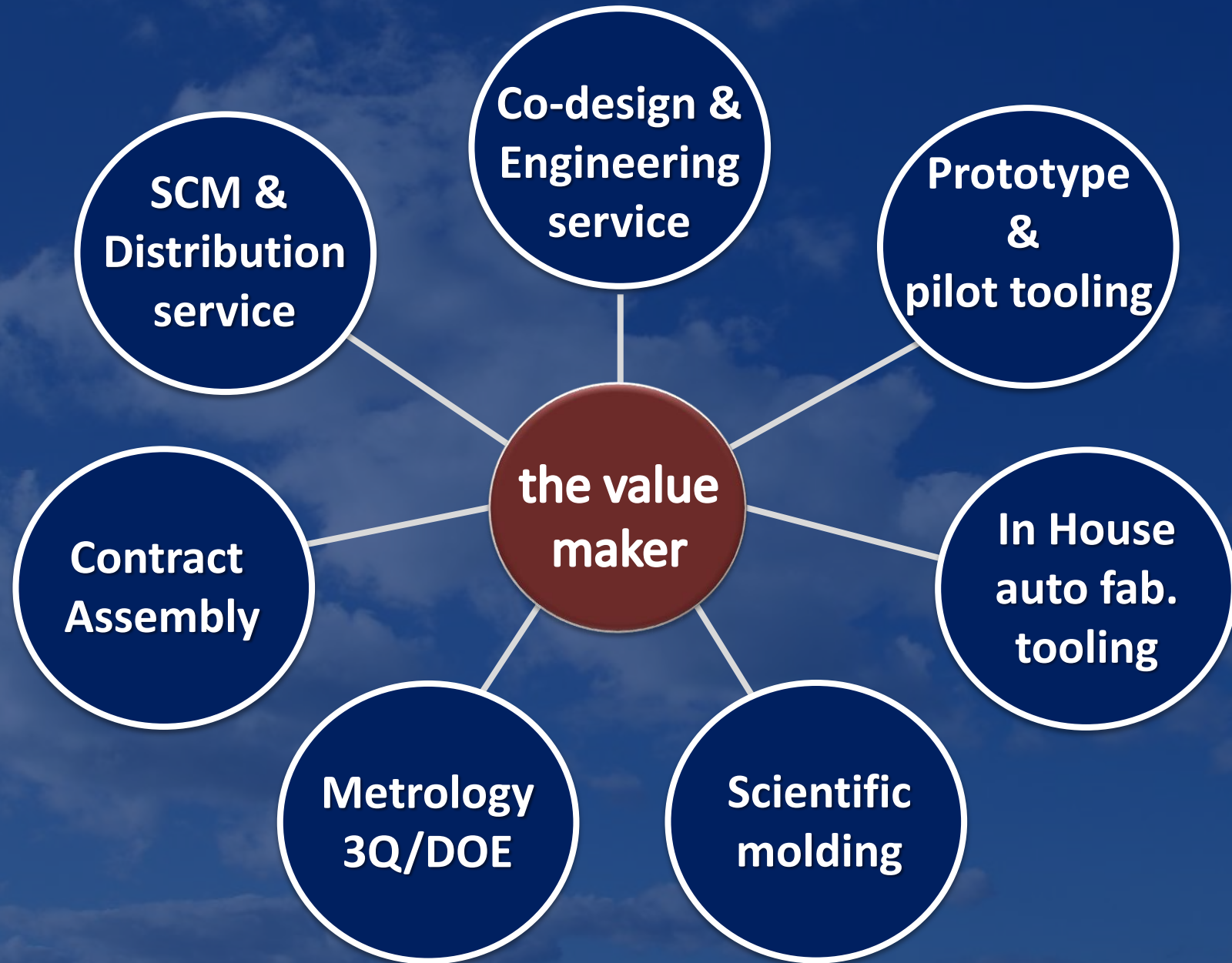


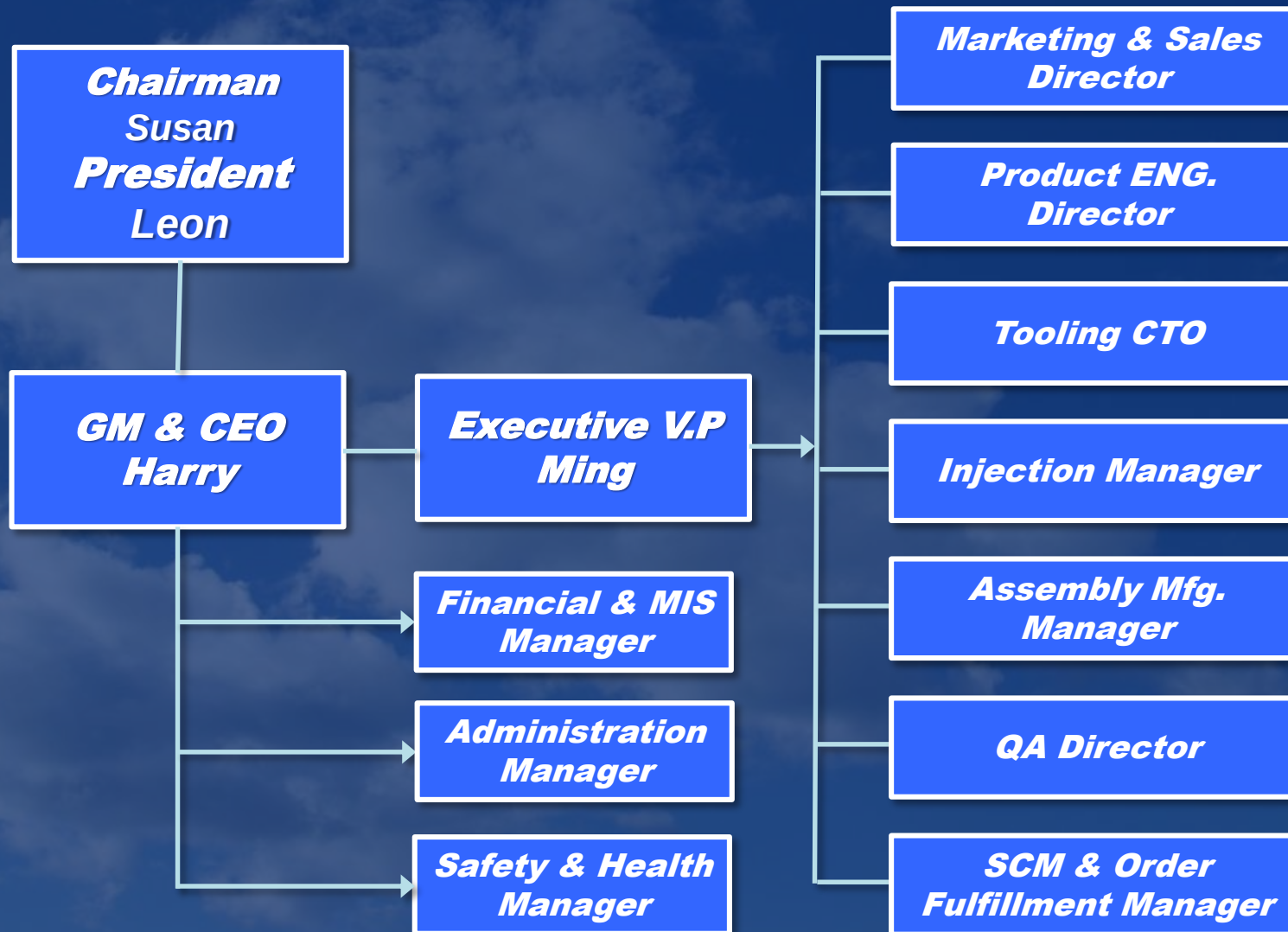
Welcome to

YOMURA

1989  2023

**Mold Fabrication
Plastic Injection
Contract Assembly**







*World-class **in house tooling & molding**, prototyping, and **mechanical engineering co-design service***



Over 30 years of expertise in double injection molding



High-end manufacturing, quality control & testing capabilities



Value-added 2nd processing & Fully or partial product assembly



*All-in-one service including **complete supply chain management***



STEP 1 QUOTATION

- Sign NDA Agreement
 - Receive Preliminary Drawing for Quote (3D or 2D)
 - Engineering Discussion for Best Design (**DFM**)
 - Quotation including Payment Terms and Conditions
-

STEP 2 DESIGN

- Receive Purchase Order
 - Receive Design Drawing (ID or ME)
 - Tooling Design Drawing (Mold Flow Analysis, 3D Prototype)
 - Tooling Kick Off Meeting
-

STEP 3 TOOLING

- Purchase Tooling Components & Resin
 - Tool Fabrication
 - Tooling Review Meeting
 - T2-Tn Final (**Scientific Molding**)
 - Prepare Tooling Profile
 - Tooling Approval for Production
-

STEP 4 MOLDING & ASSEMBLY

MANUFACTURING FACILITIES



**ONLY 30 MINUTES TO THE
AIRPORT OR DOWNTOWN TAIPEI**





申請中



YangMei, Taiwan manufacturing facility #2 planned opening: **2025**. Each of the 5 floors = 6004m²

1. 2 Shot Double Injection Molding



2. TPE Over Molding IP68 Waterproof



3. Insert Injection Molding



4. LIM/LSR Liquid Injection Molding



5. In Mold Decoration (IMD) & IME



6. Contract Assembly & EMS

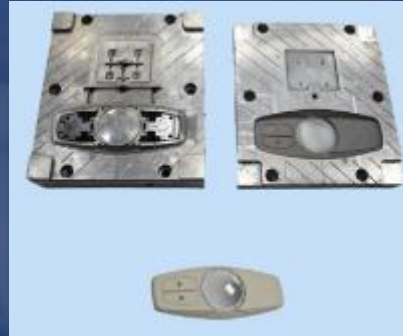
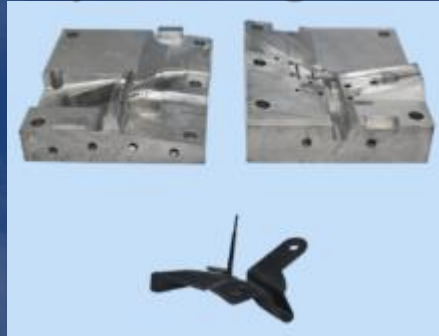


3D printing – Prototype RD review



3D printer

Rapid tooling – Low volume try run



Mass Volume production

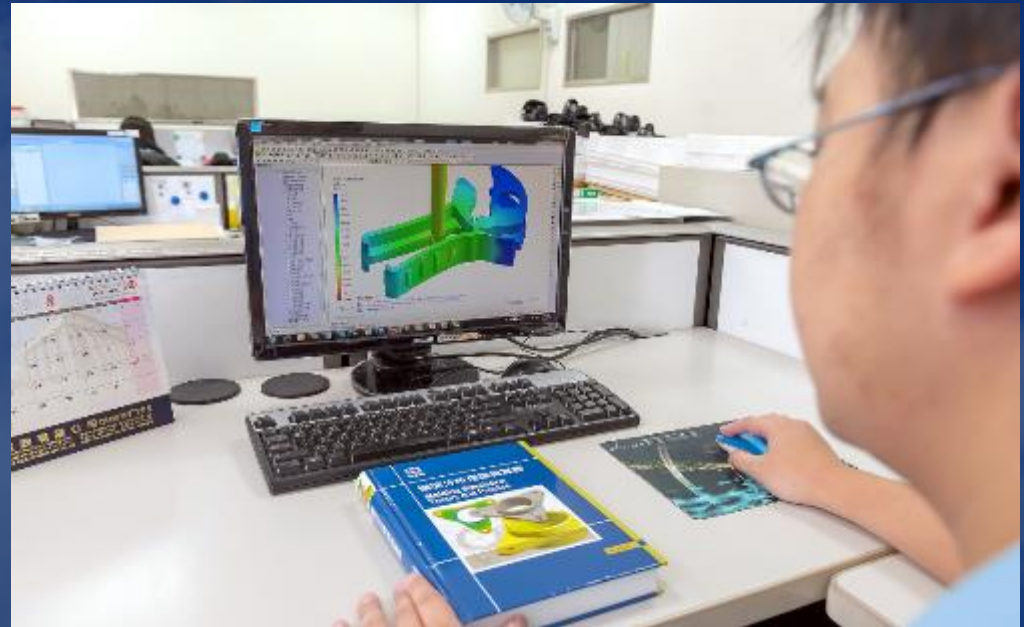
Precision Injection Molds

(200k-1000k shots)



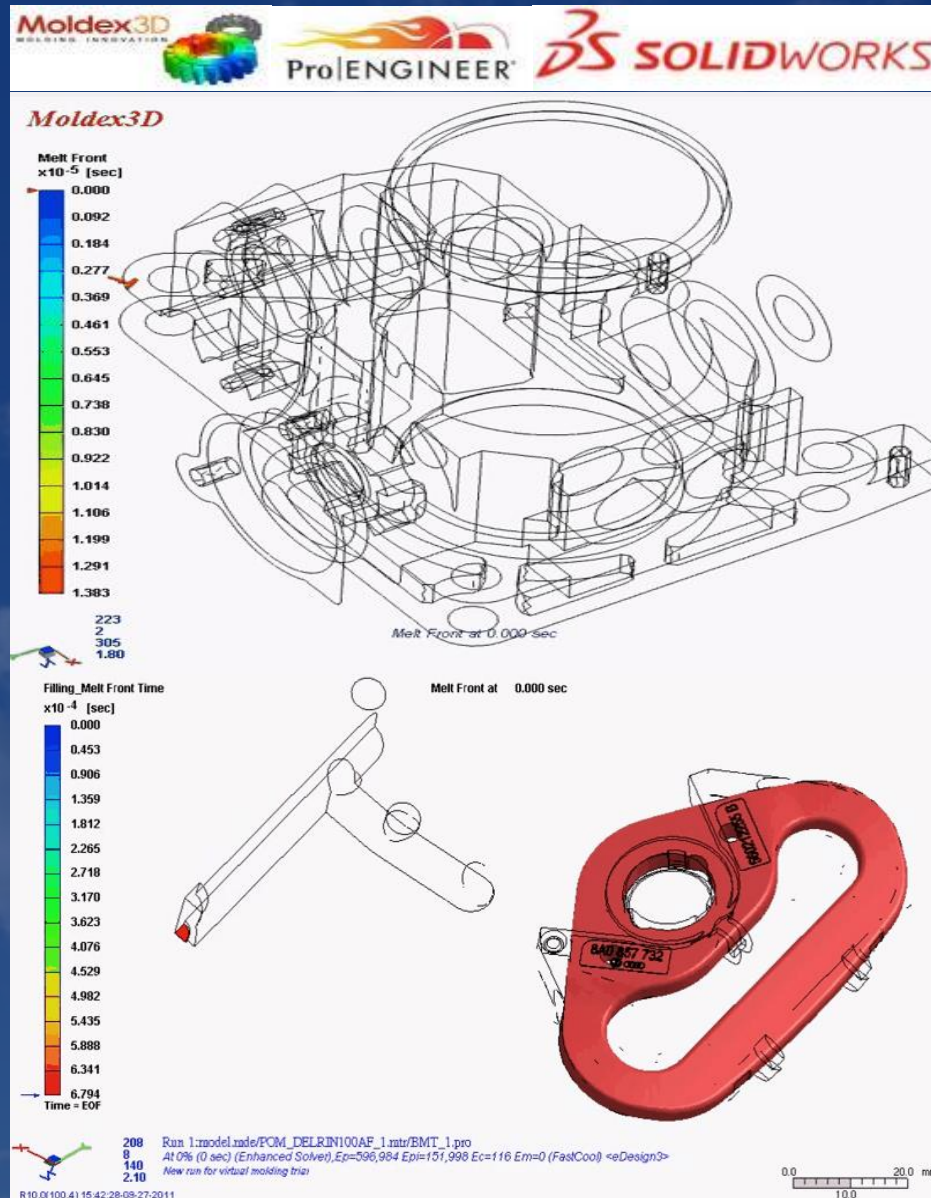
SERVICES INCLUDE:

- CONCEPT DEVELOPMENT – EARLY INVOLVEMENT IN DESIGN
- DOCUMENTATION VERIFICATION
- MATERIAL MANAGEMENT
- RAPID PROTOTYPING & SOFT TOOLING
- INITIAL PILOT BUILDS
- REGULATORY TESTING & Application
- TEST / BURN-IN
- SUB-ASSEMBLY
- FINAL ASSEMBLY
- USE PLM PROJECT MANAGEMENT SOLUTION



YOMURA TECHNOLOGIES emphasizes technical innovation and provides customers with **Joint Design or Original Design Manufacturing (JDM/ODM)** services including research and development collaboration. We have invested in a variety of technologies and design capabilities to support our customers' requirements.

Our design teams have executed numerous design-build projects for customers across a variety of industries on a global scale. We incorporate manufacturability, assembly, and test principles into the early design stages of a product to assure seamless production.



YOMURA TECHNOLOGIES employs state-of-the-art technologies to select materials, validate component designs, develop tool designs and optimize its processes, ensuring that innovative concepts are achievable at the lowest cost of production.

MOLDEX3D

With Moldex3D analysis technology, Yomura can now perform in-depth simulation on a wide range of injection molding processes to optimize product designs and manufacturability. We are able to obtain critical information in detail from simulation, such as plastic flow patterns and temperature distribution inside the mold. The wide range of materials specs in our database also helps material combination optimization.

MOLDFLOW

Yomura employs Moldflow advanced plastic flow simulation software to ensure a wide range of typical molding defects are identified and avoided. We have the ability to predict how plastic parts fill, shrink, cool and warp that gives us a powerful and in-depth insight to the injection molding process, allowing critical decisions to be made with confidence – and significantly reducing project risk.

POWERMILL PRO

Yomura uses PowerMILL's software to provide comprehensive range of patented high-speed machining and multi-axis toolpath strategies, raceline and trochoidal machining, allowing us to tackle the most difficult and challenging parts whilst achieving faster machining times, reduced tool loads, and make smoother surface finishes.

CAD SYSTEM

The use of Pro/E, Solidworks & Autocad allow Yomura complete interoperability in a diverse range of industries, from 3C and military projects to aerospace, automotive and medical parts. We can interface with our customer's designers and engineers in any location globally to deliver the right solution.

ENGINEERING



22

CNC/EDM
MACHINES

MANUFACTURING



75

INJECTION MOLD
MACHINES

ASSEMBLY

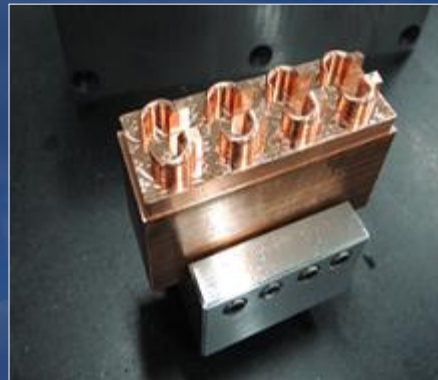


14+

ASSEMBLY
AREAS

We have the ability to meet world-class manufacturing requirements in almost any industry

- OEM/JDM CONSULTING SERVICES
- EXPERTISE IN **ELECTRO-MECHANICAL DESIGN DFM**
- MOLDEX3D, MOLDFLOW & POWERMILL ANALYSIS SOFTWARE
- 3D PRINTING FOR MOCKUPS & RAPID PROTOTYPING
- QUICK & LOW-COST **SOFT TOOLING** FOR TEST RUNS OR SMALL MOQ
- **IN-HOUSE CNC/EDM MOLD FABRICATION**
- **IN-HOUSE FULL-SERVICE TOOLING & MOLDING SHOP**
- IN-HOUSE PLASTIC LAB FOR MATERIAL TESTING & ANALYSIS
- EXPERTISE WITH DOUBLE INJECTION & IP68 WATERPROOFING
- USE **PLM SYSTEM** TO CONTROL ENGINEERING ACTIVITY



EDM-CHARMILLES FORM 200 SP(+GF+) x 1

EDM-CHARMILLES FORM 300 SP(+GF+) x 1

EDM-CHARMILLES FORM 600 SP(+GF+) x 1

MAKINO V33i-CNC x 3

MAKINO EDAF3-CNC x 1

OKK CNC Machining Center (VB53) x 1

DECKEL MAHO 5 AXIAL CNC x 1

3 AXIAL CNC x 4

NFP 66A YCM x 1

Other x8



EDM-CHARMILLES 200 SP(+GF+)



EDM-CHARMILLES 300 SP(+GF+)



OKK CNC (VB53)



NFP 66A YCM



MAKINO V33i-CNC



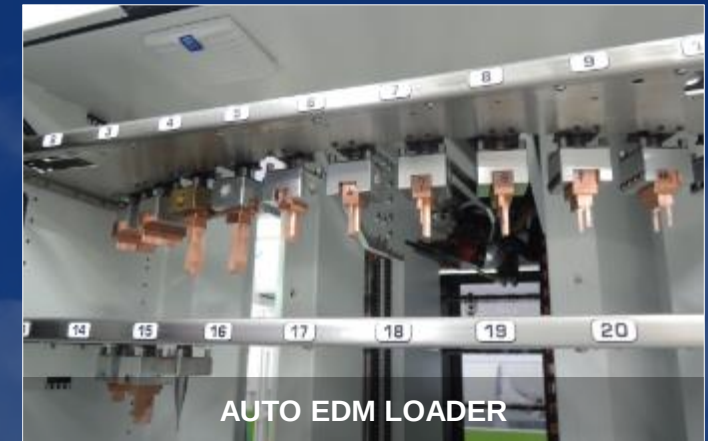
DECKEL MAHO 5 AXIAL CNC



3 AXIAL CNC



CHARMILLES 300 (+GF+) & EROWA ROBOT COMPACT 80 AUTMATIONS SYSTEM



AUTO EDM LOADER

Completely automated mold fabrication system can **be run 24 hours a day** with no engineering input.

= Lower mold fabrication cost

= High precision multiple molds
24hrs

• **EROWA SYSTEM 2**
• **YOMURA HAS 4 ROBOTIC SYSTEMS**



EDM-CHARMILLES 300 (+GF+)



EDM-CHARMILLES 200 SP(+GF+)

YOMURA's full-service tool shop supports our precision mold fabrication & production mold injection machines.

Milling Machines x 7

Grinding Machines x 5

Lathe & Turning Machines x 2





- *100K clean room for medical part manufacturing*
- *Certified and in operation since October 2018*
- *2 High-end Fanuc injection machines currently installed*
- *3 additional Fanuc injection machines on order*
- *External resin heater & feeder system to eliminate dust & moisture*
- *Robotic ejection systems for automated operation*



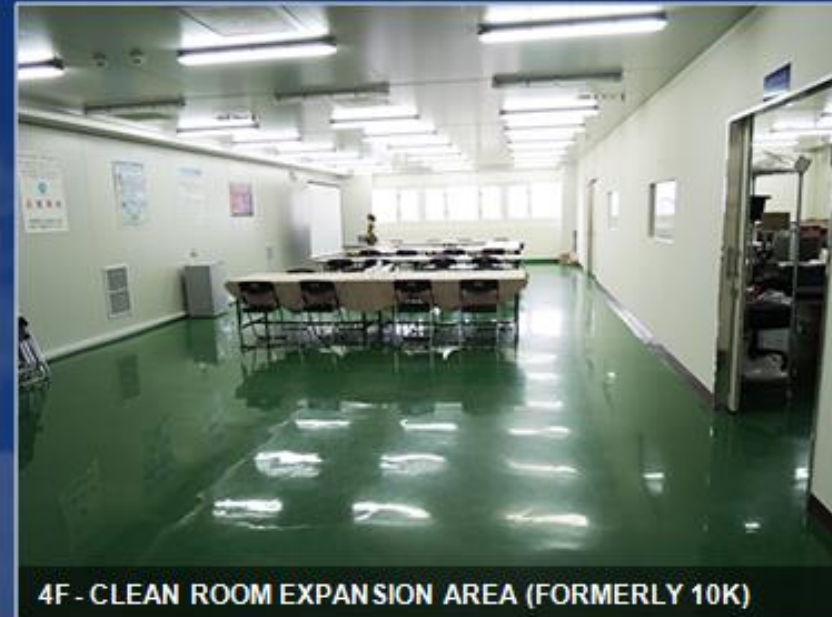
CLEAN ROOM ENTRANCE AIR LOCK



3F - CLEAN ROOM



3F - CLEAN ROOM



- 75 INJECTION MOLD MACHINES IN 5 FACILITIES
- IN-HOUSE IN-MOLD-DECORATION (IMD) PRINT SHOP
- PROTOTYPE PRODUCTION LINE TESTING
- HIGH VOLUME OR SMALL MOQ
- EJECTION AUTOMATION FOR HIGH VOLUME PARTS
- EXPERTISE WITH A WIDE VARIETY OF PLASTIC & SILICON
- OPTIMIZED, ONE STOP JIT SUPPLY CHAIN MANAGEMENT
- MULTI-LEVEL QUALITY MANAGEMENT SYSTEM
- ENGLISH, CHINESE, JAPANESE SPEAKING ENGINEERS & PROJECT MANAGERS
- LONG-TERM MOLD ASSET STORAGE
- ERP & MES TO CONTROL MANUFACTURING ACTIVITY



Facility – manufacture (Total 5 plants in Taiwan)



HORIZONTAL SINGLE INJECTION			
50 TON	1	210 TON	7
90 TON	1	230 TON	6
100 TON	6	250 TON	1
130 TON	8	280 TON	2
140 TON	2	300 TON	1
150 TON	1	430 TON	1
160 TON	3	450 TON	1
180 TON	1	600 TON	1
TOTAL = 43			

VERTICAL SINGLE INJECTION	
55 TON	1
85 TON	12
120 TON	1
TOTAL = 14	

DOUBLE INJECTION	
70 TON	1
160 TON	12
250 TON	3
TOTAL = 16	

MICRO MOLDING	
30 TON	1
40 TON	1
TOTAL = 2	

**75 TOTAL IN-HOUSE
INJECTION MACHINES**



OTHER	
IMD FORMING	4
LIQUID SILICON	2
TOTAL = 6	

* Injection Machine Brand: FANUC / TOYO / Sodick





1F LINKOU PLANT 3



1F LINKOU PLANT 3



2F LINKOU PLANT 3



2F LINKOU PLANT 3

Single Injection Molding is a standard industrial process. YOMURA has over 40 single injection machines available for large or small production runs. Our YangMei plant is equipped with a resin feeder system to increase yield rates for high volume production.

Reinforced Single Injection

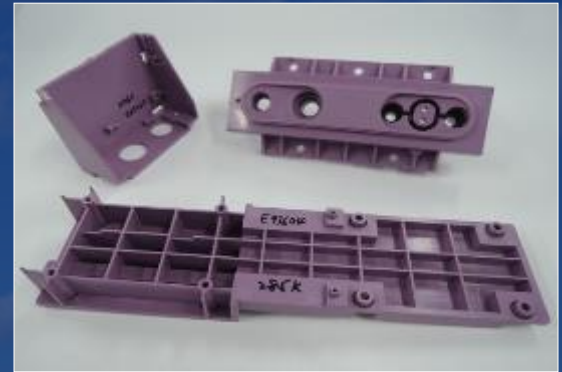
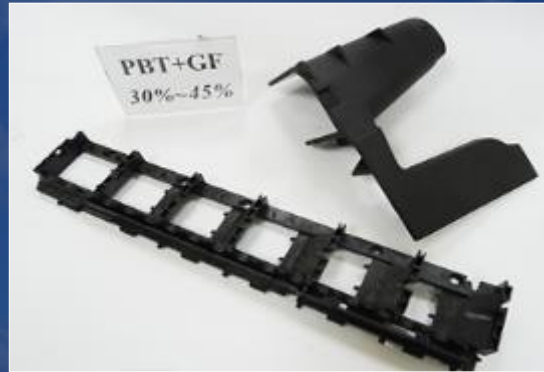
Single Injection projects can also be reinforced with a variety of materials for extra strength. This is useful for applications such as mechanical gear assemblies, various medical devices, mechanical devices, etc.

Materials

Nylon, PC, POM, PBT/PET, PPO, Fiber Carbon, Fiber Glass (FG), Fiber Metal

Advantages

- Precision, low shrinkage
- High impact strength
- Hi-heat deflection



* Yomura
Patented Design

DOUBLE INJECTION MOLDING

Sometimes known as 2 material 2 shot molding or **2K molding**, is an innovative manufacturing process used to produce complicated molded parts from two different materials.

Double Injection is performed on one machine that is programmed to perform two injections in one cycle. In the first cycle, a nozzle injects plastic into a mold. The mold is then automatically rotated and a different type of plastic is injected into the mold from a second nozzle.

Double Injection Molding *optimizes co-polymerization of hard and soft materials* to create a powerful molecular bond. The result is a single part with production and feature advantages.

Advantages:

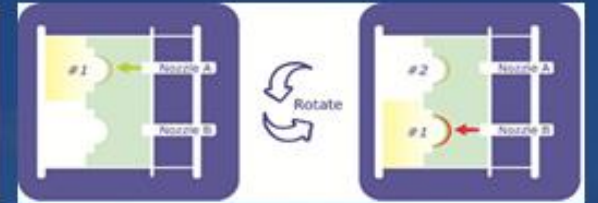
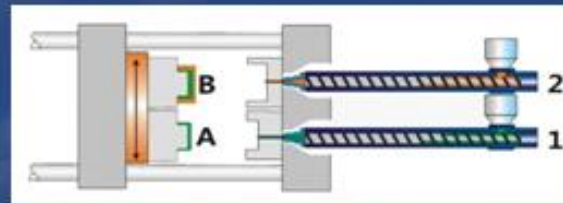
- Lower labor and time costs over printing/painting
- Improved part integrity & multi-material efficiency
- Greater design flexibility for value-added decoration
- No color fading issues
- Reduced handling and secondary assembly
- Light pipe integration saving both cost and space
- Enhanced tactile and cosmetic product features
- Reduced cost and waste associated with assembly defects.



One Color Plastic (ABS) with another Color Plastic (ABS/PC/PC ABS)
2 Shot Injection



One Color Plastic (ABS) with One Color Transparent Plastic (ABS, PC, Acrylic) 2 Shot Injection



DOUBLE INJECTION EXAMPLES





Over Molding is the process where one material is precision molded over another material, usually rubber (parts TPE) over plastic, for visual, or ergonomic appeal.

Very often when the design requires **"soft touch"** or **waterproofing (IP68)**, over molding is the manufacturing process that is used. For over molding success, *knowledge of material compatibility is crucial.*

Our extensive expertise in this field helps assure your product will have the strong end-application bond and performance that your customers demand.

Insert molding can also be combined with over molding using parts made of aluminum, brass, stainless steel, copper, plastic and more.

Material

Over molding of thermoplastic elastomers (TPEs) are specially formulated to bond to a variety of thermoplastics including:

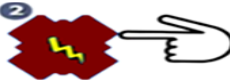
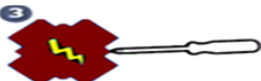
- PC/ABS
- PC/PETG
- Acetal (POM)
- Copolyester
- Polystyrene (PS)
- Polycarbonate (PC)
- Polyphenylene oxide (PPO)
- High Impact Polystyrene (HIPS)
- Acrylonitrile Butadiene Styrene (ABS)
- Standard and Modified Nylon 6, Nylon 6/6, Nylon 6,6,6

Advantages

- *Easy to grip, soft touch feeling*
- *Drop protection / Shock absorption*
- *Water resistant / Waterproof IP68*
- *Flexible, good for hinges*
- *Reduced part size and weight*
- *Expanded part design flexibility*
- *Reduced assembly time and cost*
- *Increased completed-part accuracy and performance reliability*





IP	EXAMPLE	SOLID PROTECTION
1		Protected against a solid object greater than 50mm such as a hand
2		Protected against a solid object greater than 12.5mm, such as a finger
3		Protected against a solid object greater than 2.5mm, such as a screwdriver
4		Protected against a solid object greater than 1.0mm, such as wire
5		Dust Protected. Limited Ingress of dust permitted.
6		Dust Tight. Zero Ingress of dust permitted.

IP	EXAMPLE	LIQUID PROTECTION
1		Protected against vertically falling drops of water. Limited Ingress permitted.
2		Protected against vertically falling drops of water w/enclosure tilted 15° from vertical. Limited Ingress permitted.
3		Protected against sprays to 60° from the vertical. Limited Ingress permitted.
4		Protected against water splashed from all directions. Limited Ingress permitted.
5		Protected against jets of water. Limited Ingress permitted.
6		Protected against strong jets of water. Limited Ingress permitted.
7		Protected against the effects of immersion between 15cm and 1m
8		Protected against long periods of immersion under water.

IP-68 is the most rigorous Ingress Protection classification for water and dust protection

Insert Molding is used when a metal, plastic or ceramic part needs to be embedded in plastic to improve product structure.

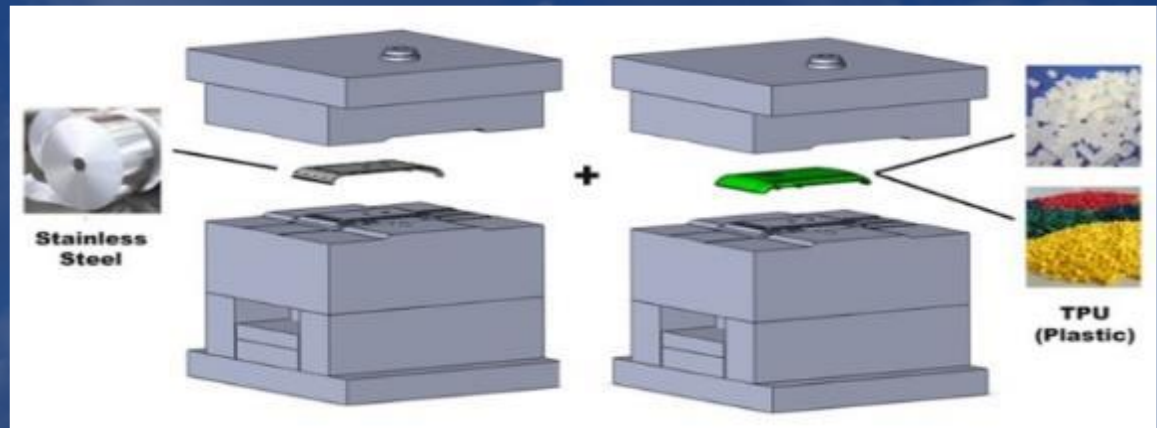
With Insert Molding, a part is placed in a mold cavity then a selected plastic material is injected directly over it resulting in a single part with the insert(s) encapsulated by the material. This process normally uses engineering plastics for improved wear resistance, tensile strength and weight reduction.

Advantages

- Reduced assembly and labor costs
- Reduced size and weight
- Increased reliability
- Increased design flexibility

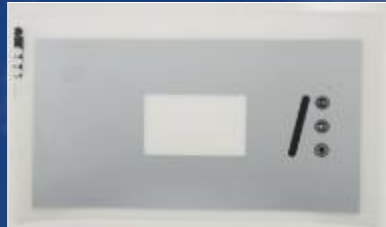
Applications

- TPR + Metal Frame (3C Mechanical Parts)
- ABS + Aluminum Die Cast (Sports/ Medical)
- Engineering Plastic + Patting Pin / Engineering Plastic + Wireframe (Connector)
- Engineering Plastic + Copper Pin/Contact (Precision Electronic Component)



IMD offers long-lasting decoration with multiple colors and/or textures. IMD is a printed film that gets placed on the mold before single or double injection begins. After injection the film is forever bonded to the plastic part. Membrane switches can also be added under the film.

There are four steps to the IMD process:



1 PRINTING



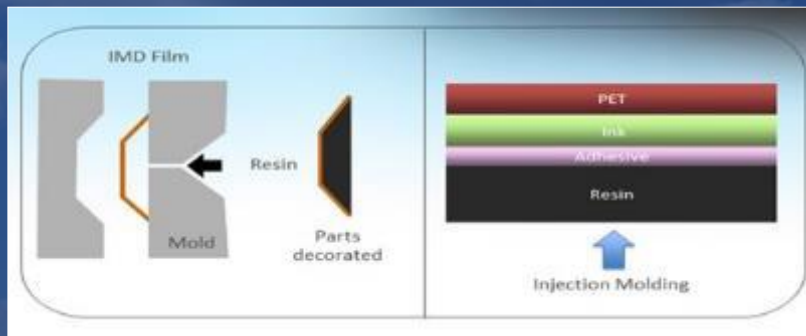
2 FORMING

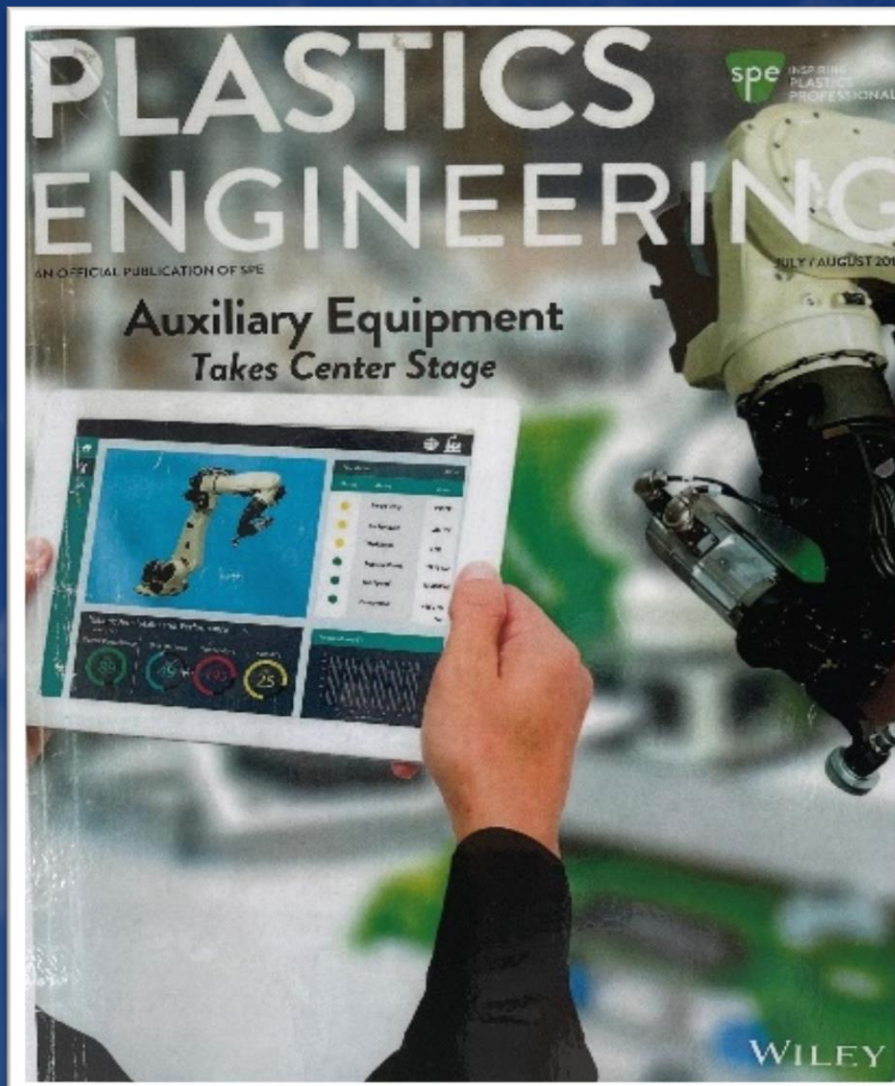


3 TRIMMING



4 INJECTION MOLDED





TECHNICAL ARTICLE

In-Mold Decorating: A Review of Process and Technology

By Harry Kao
Yomura Technologies Inc.

In-mold decorating (IMD), also known as film-insert molding, is the process of decorating an injection-molded part with a decorated film during the injection process. The label becomes an integral part of the final product, creating a fully decorated item on the visual surface or partially as with a label on a container. This process, sometimes referred to as in mold labeling, is primarily used to decorate containers, cups, and various vessels.

During the process, a preprinted label or decorative film is inserted into the open plastic injection mold and held in place mechanically, electrostatically, or gravitationally. When the mold is closed, plastic resin is back injected onto the film encapsulating it permanently within the finished part. Before the advent of IMD, there were two basic options for decorating molded parts—screen printing and pasting labels onto the part. Both of these techniques cannot equal the flexibility and the durability of IMD. The technique allows for more imaginative designs that not only enhance decoration but provide functionality. The technique lends itself readily to smart surfaces, tactile keys, water-resistant products, electronic circuits, and even optical components that can be integrated in a cost-effective manner.

The majority of all the films are second-surface printed. Printing on the primary surface is less durable. Second surface printing can be used for simple single colors as well as complex multiple-pass patterns that simulate machined surfaces and include functional optical filters. Second-surface printing contributes greatly to the durability of the product and is a major factor in the selection of IMD. The part can be passive or active, with traces and electro-luminescent surfaces being included on the film. Dead front, fillets, overmold, and selective electroplating are also design options.

The IMD process essentially has three steps—printing, forming, and back injection. In mold labelling typically skips the second step as the label is flat and pressed against the mold.



Figure 1. This dashboard controller is a clamshell design, the lower half being a two-shot part. The primary shot on the lower part of the body is PC/ABS, and the second shot is a seal in TPE. The upper portion of the controller (the part that is invisible in the picture) is a single-shot part also in PC/ABS. The keys are made using the in-mold design (IMD) process. The keys are printed, thermoformed, trimmed, and back injected with PC/ABS. The film is PC. The final step in the process is insert molding the single-shot top. The keys are then inserted into the mold, and a TPE seal is molded around them (this is the gray material between the keys and the white top). The TPE is flexible enough to allow the keys to be depressed to activate the audiovisual system in the room. This is a good example of creative use of IMD being integrated into an active portion of the product. The key tops are durable and bright, and the graphics are behind a protective layer of polycarbonate. The final operation of insert molding the keys on the body is an elegant way of providing good key travel and a water-resistant interface. (Source: Yomura)

40 | PLASTICS ENGINEERING | JULY/AUGUST 2018 | www.spe.org | www.plastics-engineering.org

IMD Process Review report By Harry
& Published on PLASTICS ENG.magize

IN MOLD ELECTRONICS (IME)



	North America	Europe	Asia Pacific
Innovators		TACTOTEK	
Functional ink suppliers	CHASM e.ip DUPONT	ELANTAS DYCOTEC CANATU Henkel Agfa	TOYOBO FUJIKURA KASEI SunChemical JALCO CHEMICAL CO., LTD.
Manufacturers	EASTPRINT DURA TECH INDUSTRIES BTI ButechTechnologies ADS	DEJIN Fujifilm (Formerly Sintex NP)	ABeetle YOMURA TECHNOLOGIES
End users		faurecia Continental	



**FOR PARTS AND FEATURES
WEIGHING UNDER 0.1g**

Applications:

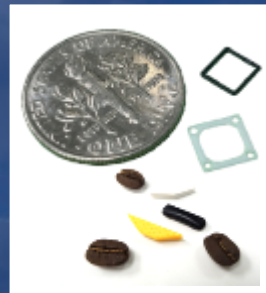
Antennas, medical, optical,
consumer electronics,
automotive, telecom

Advantages:

- Saves energy = save cost
- Repeat-ability process = stabilize quality
- Broad selection of materials
(Nylon, Pc, Pc/Abs, TPE, etc.)

Robotic Ejection

To improve cycle time, reduce
labor costs and to keep parts
organized.



precision Micro Molding



weight :
0.006g

thickness :
0.30mm

2-Shot Micro Molding





Liquid Injection Molding (LIM) and **Transfer Molding** are preferred processes for manufacturing solid silicone rubber items used in a wide range of applications such as medical equipment, watersports, gas masks, military gear, waterproof device cases, shock absorption, 3C products and much more.

Materials

Shin Etsu / Dow Corning / GE Silicones

Advantages & Applications

- Low viscosity and lower injection pressure, good for silicon molding
- Good chemical stability and environmental protection
- High dimensional accuracy - It produces high quality parts without secondary finishing and allows much shorter production cycles than other processes.
- Over-molding together with hard plastic frame (PC, ABS, etc.) for waterproof devices, shock proofing, shielding, etc.
- Very thin wall design (0.25mm thick around) for silicone to adhere on plastic housing (rib) to meet the demand of low-profile product design.
- Waterproof feature can be secured by the combination of soft rubber contacts and with constant pressure provided by hard plastic housing (rib).



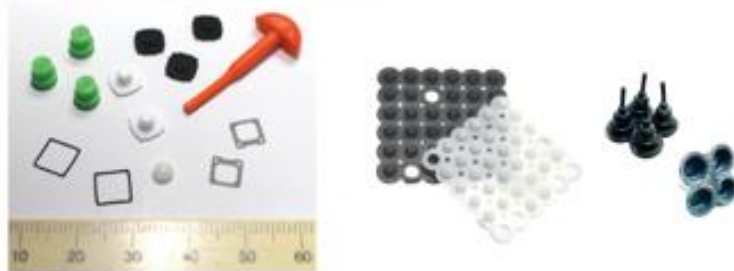
● Over Molding



● Insert Molding



● Micro/ Mini Products



● Key Pad & Others



Process - Over Molding Insert Molding Rubber Mounting

1. Silicone /Rubber to Metal.
2. Silicone /Rubber to Plastic.
3. Silicone /Rubber to Teflon.
4. Silicone /Rubber to Aluminum.
5. Silicone /Rubber to TPU.
6. Silicone Over Molding on USB / Electrical Device.

Materials

1. Silicone - SinEtsu, Momentive, Wacker.
2. Chloroprene Rubber, Neoprene, Fluorine Rubber, Ethylene Propylene Diene Monomer (EPDM), FPM, Viton, Fluorel, HNBR (Hydrogenated Nitrile Rubber), NBR (Nitrile Rubber).



Additional manufacturing steps may be required after molding thermoplastic parts in many applications. Many assembly techniques can use the inherent nature of the material to eliminate parts.

Machining and Finishing may serve decorative or functional requirements of an application.

Secondary Processes

- Silkscreen printing and painting
- Sputtering / vacuum plating / electroplating
- Insert nuts, heat sinks, etc.
- Ultrasonic welding
- Foil or plastic label attachment
- Laser engraving or laser carving
- Medical sterilization



Even though these secondary operations occur in the final phases of a product's development, they must be carefully considered early in the planning stages of a program. The technique best suited to a particular design depends on performance, cost and number of units to be produced.

Rework Services

Sometimes rework of existing product assemblies is necessary to fix a design flaw, to upgrade an assembly with new components, or simply to reduce costs. Our rework specialists assure that resulting assemblies will meet the highest quality standards.



On-Time Global Logistics

We have a number of cost saving options for shipment and factory repair services.

The Taiwan International Airport is only a short, 20-minute drive from our production facilities.





- *Full-Service electro-mechanical contract assembly*
- *10K & 100K class clean rooms for medical components*
- *RoHS-compliant assembly*
- *LEAN cell assembly with Manufacturing Execution System*
- *Value-added post-process & full or partial product assembly services*
- *High security assembly areas*
- *Regulation test verification*
- *Consumer packaging*
- *Dedicated Program Management*
- *Material procurement and consigned management facilities*
- *30,000 ft² floor space with room for expansion*
- *Large, medium or small minimum order quantity (MOQ)*
- *HR expertise to maintain qualified production workers*
- *Global logistics with on-time delivery*
- *Very competitive labor costs*
- *24/7 operations*



LINKOU PLANT 3 - 3F ASSEMBLY AREA



LINKOU PLANT 3 - 3F ASSEMBLY AREA

Our **Electronic Manufacturing SYSTEM (EMS)** is used to design, test, manufacture, distribute and provide repair services for electronic components and assemblies for Original Equipment Manufacturers (OEM).

We have provided design engineering and contract EMS for the consumer electronics, industrial, medical, military and telecommunications markets.

We specialize in a variety of contract assembly levels from high volume, complex electro-mechanical assembly & testing to small volume, conceptual prototype runs.

For small to medium device assembly, we utilize a cost saving into private and secure **assembly cells system of mobile workstations and conveyors** that can be quickly grouped

Our Assembly Line 1 was assessed by SEIMENS as one of the top two Taiwan production lines in their QMS Authorized Vendors List.



LINKOU PLANT 3
3F NEW ASSEMBLY AREA



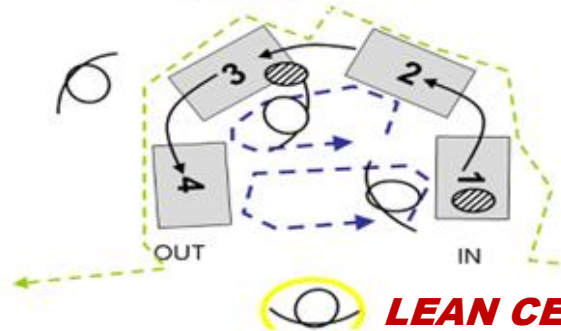
CAMERA ASSEMBLY



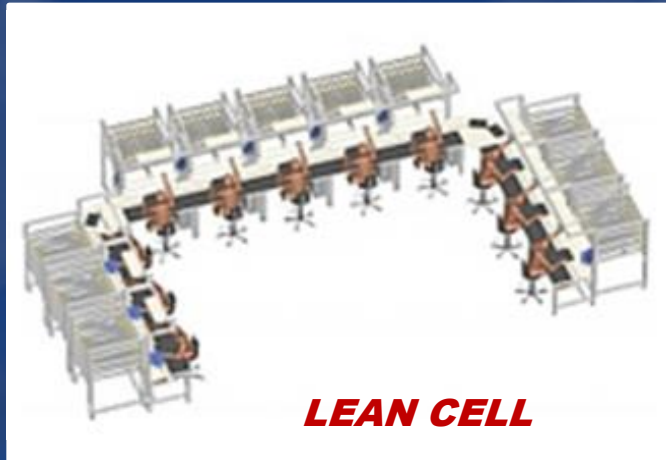
IMPLEMENTATION

- Customer cycle – only produce what the customer needs
- Pull principle – formation of buffers is prevented or standardized
- One-piece-flow – increase in transparency
- Zero faults principle

--- Logistics
--- Manual work
--- Product flow



LEAN CELL



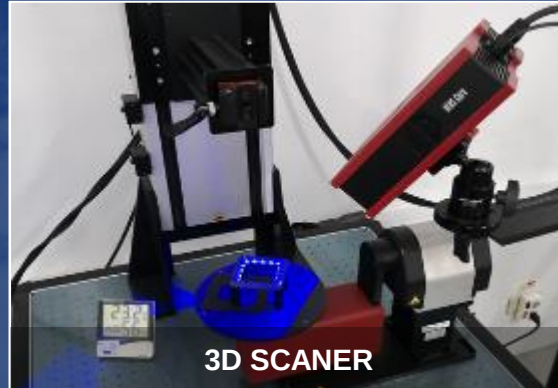
LEAN CELL

Advantages

- Teamwork and cross training
- Visual management
- Enables standard work for operators, material handlers and leaders

Benefits

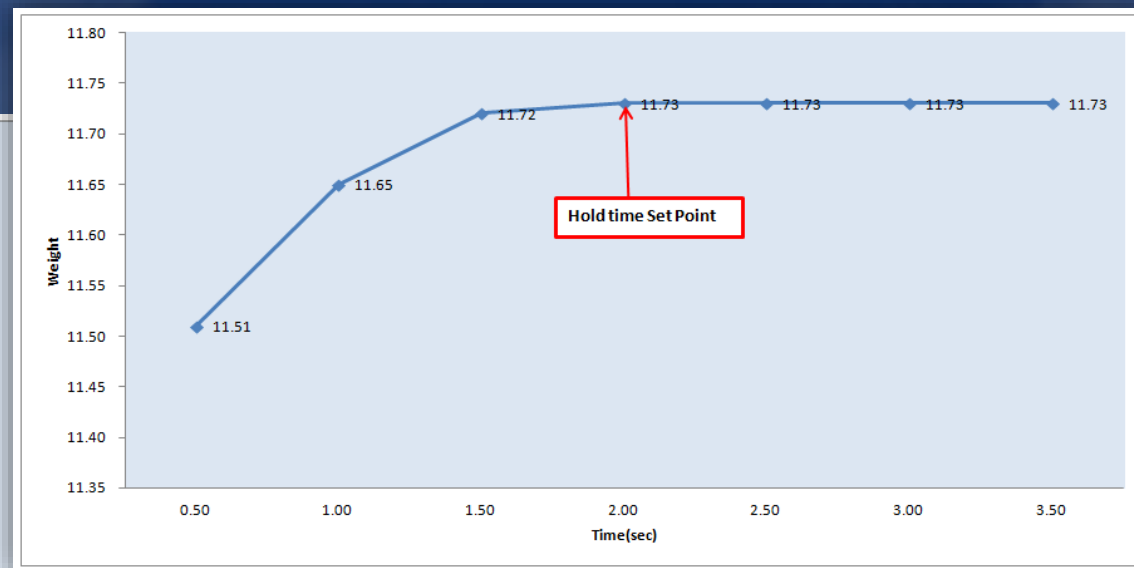
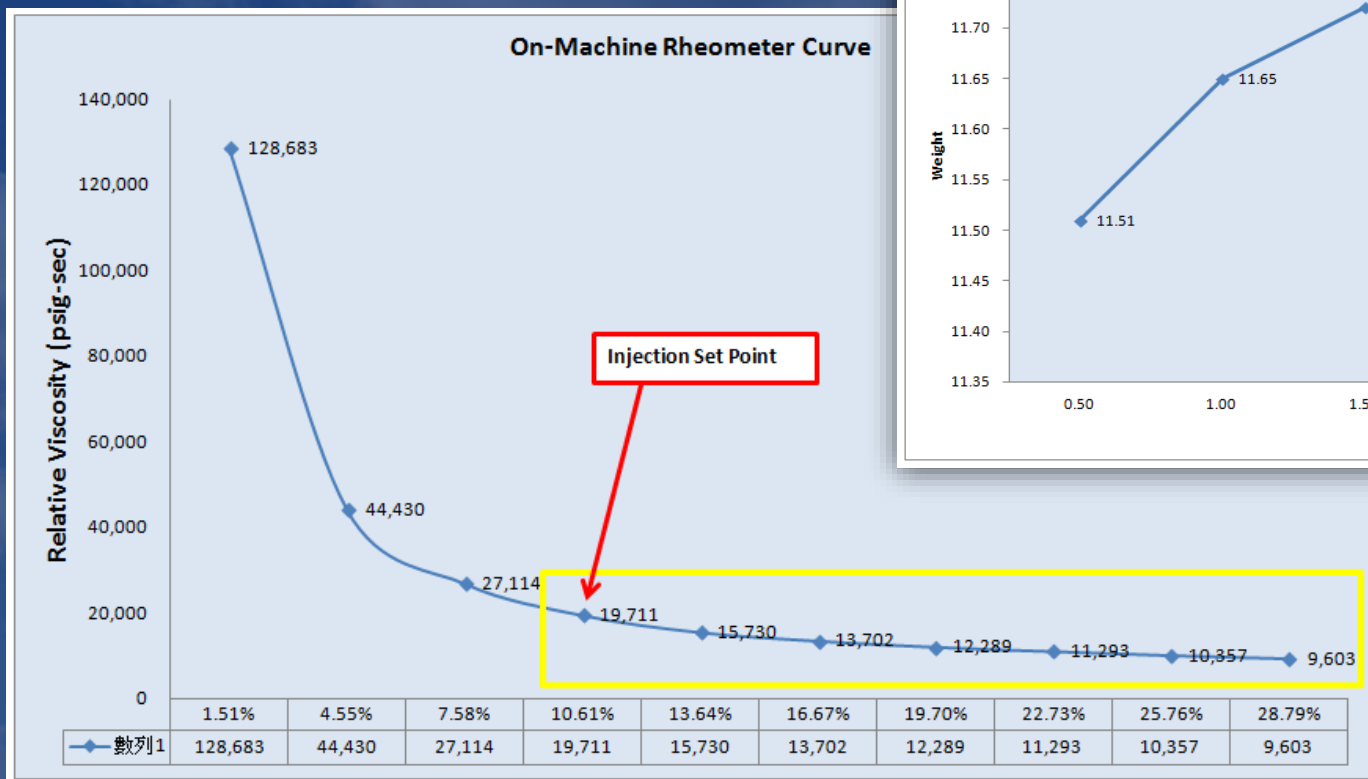
- Produce a variety of products in small batches
- Increased productivity
- Improved quality
- Reduced WIP



YOMURA CONTINUOUSLY INVESTS IN STATE-OF-THE-ART QC EQUIPMENT TO MEET THE NEEDS OF OUR CUSTOMERS And **PERFORM 3Q**
(IQ,PQ,OQ) VERIFICATION FOR MEDICAL DEVICE ACCORDING TO CUSTOMER NEEDS

Use scientific molding methodology to implement 3Q

YOMURA CONTINUOUSLY INVESTS IN STATE-OF-THE-ART QC EQUIPMENT TO MEET THE NEEDS OF OUR CUSTOMERS AND PERFORM 3Q (IQ,PQ,OQ) VERIFICATION FOR MEDICAL DEVICE ACCORDING TO CUSTOMER NEEDS



Yield Improvement on In Mold Decoration Manufacturing through Parameter Optimization

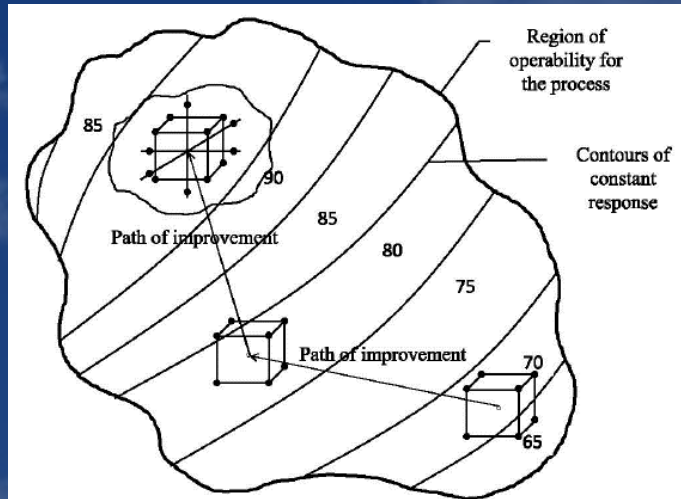


Fig. 2 The sequential nature of the proposed framework

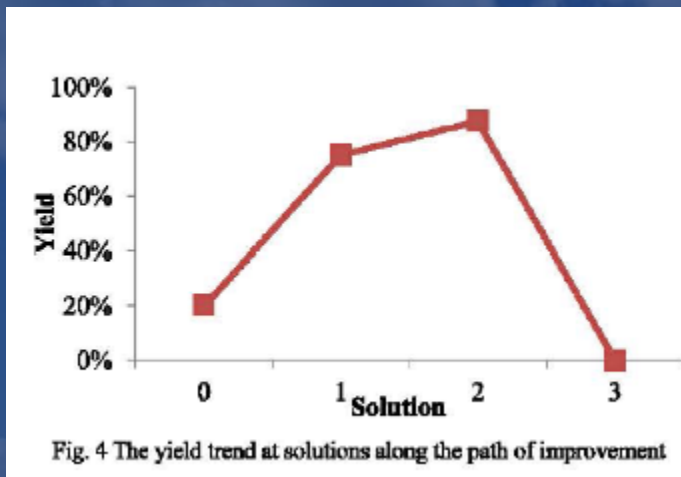


Fig. 4 The yield trend at solutions along the path of improvement

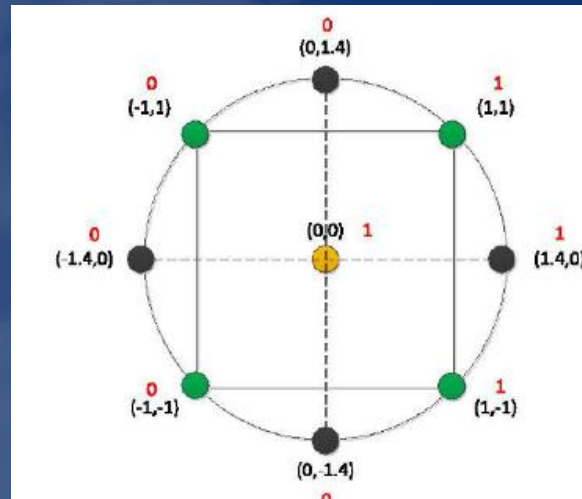
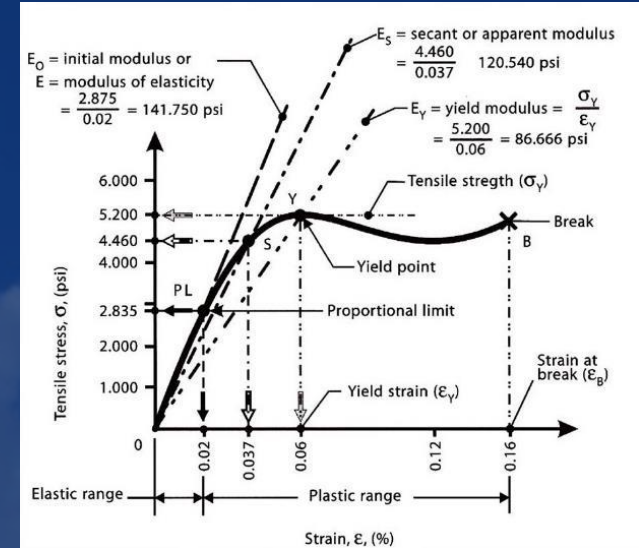


Fig. 5 The central composite design employed in the empirical study



Supported by in part by National Science Council of Taiwan and YOMURA COMPANY

Significantly enhanced
the higher yield





ISO 9001:2015
QUALITY MANAGEMENT



ISO 14001:2015
ENVIRONMENTAL



ISO 13485:2016
MEDICAL Components



TS 16949
AUTOMOTIVE Renew



AS9100D
AEROSPACE



GMP



US FDA 510K – K210516 certificate

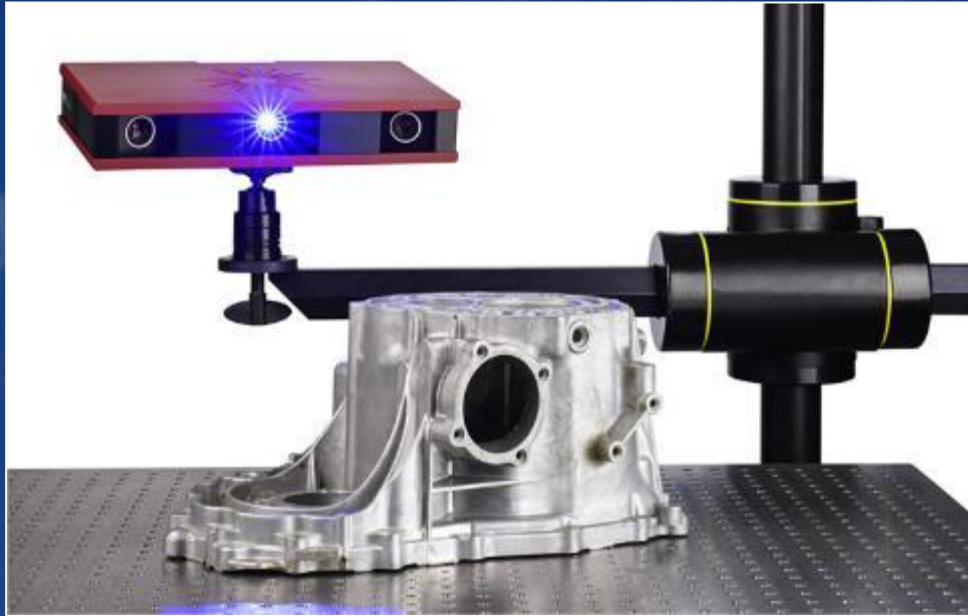


Mfi License -14-00216

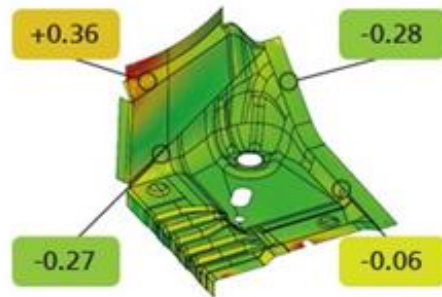


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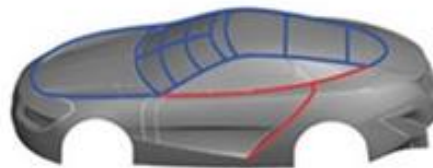


3D SCANNER IS USED IN DEVELOPMENT, QUALITY ASSURANCE AND PRODUCTION TO REDUCE TIME AND COSTS



3D Inspection

Precise 3D coordinate measurement for shape and dimension analysis, GD&T, statistical process control (SPC).



Reverse Engineering

Using ATOS data for scan-based CAD modelling, surfacing and simulations.



Rapid Manufacturing

High resolution polygon meshes (STL) for 3D printing, milling, additive production and dimensional verification.

CONTRACT ASSEMBLY SAMPLES





GERMAN DESIGN TRAVEL SCOOTER FOR MOBILITY ASSISTANCE



2015 Travelscoot Global Distributors Meeting held in Yomura



DUE TO NDA TERMS, WE CAN ONLY DISPLAY A SMALL SELECTION OF PARTS MANUFACTURED



ISO 13485:2003 | US FDA 510(K) | FDA FEI COMPLIANCE



ISO AS9100D
AEROSPACE COMPLIANCE



BY INDUSTRY - MILITARY







■ Aerospace & Military parts



■ Automobile Device



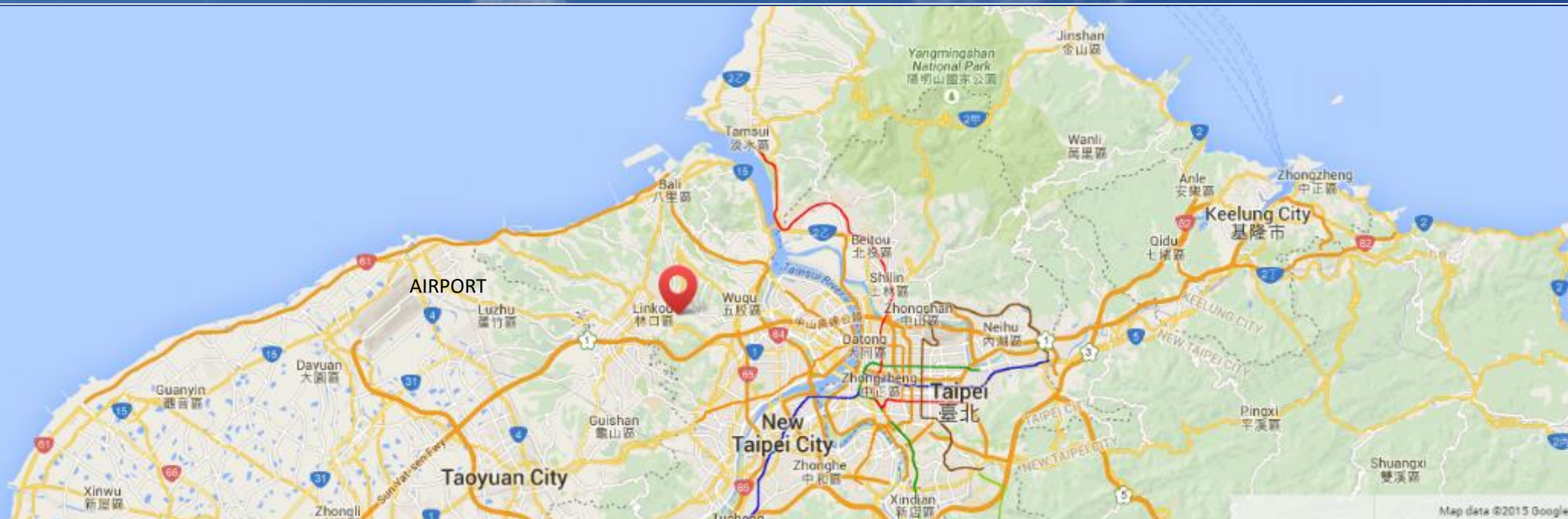
■ Fashion & Accessories



■ Industrial Tools







SISTER PLASTIC COMPANIES

1. SHULIN PLANT

60 ~ 600 TON SINGLE INJECTION

x13

2. TAINAN PLANT

50~ 600 TON SINGLE INJECTION

x33

100 ~400 TON DOUBLE INJECTION

x12

TOTAL = 58



Yomura Co-design Partners :



ITIC
Industrial Technology
Investment Corporation

(Taiwan)

ExcellDESIGN
艾格瑟設計

(Taiwan)

kaku design office (Taiwan)

Yomura Japan office -Mr. Takayanagi

Yomura US office -Mr. David Autry



**Taiwan Government
Mittelstand Company Award**



**Taiwan Government
Golden Torch Award
for Management**



CSR Awards



**Industry-academia
Cooperation**



Aerospace - Quality Award



Aerospace - Quality Award



President Leon Liu
Speech at The Asia-Plastic on 2015 –
Mold Design Challenges & Process
Complexities with TPE



CEO Harry Kao
2019 Attended the Form of
Global Enterprise CEO exchange –
New Enlightenment AI and the enterprise



Former Vice-President Mr. Wu & Tony



To Support

SDGs (Sustainable Development Goals) & ESG (Environmental, Social, Governance):

1. Yomura had invested & collaborated with Hwa-Kuan company to develop & produce **the world most energy saving traffic light**. This product is an energy-saving product, in line with world trends and national policies. Using Taiwan as an example, seventy million KWh per year can be saved, and in terms of CO2 emissions, one thousand and eight million kilograms (0.25 Kg/KWh) can be reduced. We will promote to offshore of other countries to use this product to save the power consumption on traffic light globally as well.
2. Yomura also has invested to EZEK who's innovated triple filter cartridges: Water produced guaranteed for drinking without boiling. EZ-AQUA Drinking Water Purifier, uses the advanced material technology developed by NASA, with triple effect filter cartridges to efficiently remove particles, chemicals, bacteria, virus, endotoxin and cyst etc. It completely eliminate carcinogens such as heavy metals and trihalomethanes. **Efficiencies of filter materials in removal of Bacteria. Virus and cyst was certified at 99.9999% .**
3. In 2019 ,Yomura has invested and been joint designing with Ceres Tag to **develop the world's first animal monitoring Information platform** with direct to satellite capability through a propriety smart ear tag .we are the qualified EMS & the contract manufacturer of the full product assembly of the Ceres ear Tag .





SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



ISO 14001

8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS

