



INDUSTRIAL TRAINING FIELD REPORT

CHE353

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PROGRAMME	DIPLOMA IN CHEMICAL ENGINEERING
ID	2018697514
LI DURATION	22/3/2021 – 16/7/2021 (17 WEEKS)
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1. INTRODUCTION

1.1. Acknowledge

First and foremost, I would like to thank Glasfil Polymer for giving me the opportunity to undergo my industrial training. The internship opportunity I had with Glasfil Polymer was a great chance for my learning and professional development. I am also grateful for having the chance to meet so many wonderful people and professionals who led me throughout this internship period.

I would like to express a special gratitude to all the staffs from Glasfil Polymer who in spite of being busy with their duties, willingly spent their time out to guide, giving ideas for my project, give necessary advices and encouragement to me during my training. My supervisor also taught me on working ethics in aspect of punctuality and also disciplinary.

I would also like to extend my appreciation to all engineers, staffs, technicians and trainees working at Glasfil Polymer for their kindness helping and supporting me through the entire industrial training program in Glasfil polymer. I would also like to thank Miss Samantha the CEO of Glasfil Polymer who continue guiding us and understanding all employee situation during the mco period.

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1.2. Introduction to Industrial Training CHE353

Industrial Training CHE353 is the final course subject in Diploma of Chemical Engineering at Universiti Teknologi MARA (UiTM). This industrial training is compulsory for Semester 6 students, in order to complete their diploma studies. Before stepping into the real working life, students are required to seek and apply for an internship at any company that is related to the chemical engineering field. They are also required to submit important documents upon their application.

The objective of this course programme is to give students exposure and opportunity for them to embark in the real-life working experience. This course is also beneficial for them as they get to expand their knowledge, learn more on the current chemical industries and apply the theories they have learned during their diploma into real-world scenarios.

Students are required to undergo this industrial training programme for a minimum of 17 weeks to fulfil a total of 7 credit hours. The 17 weeks' duration of this industrial training is compulsory as it is to fulfil the requirements by the Board of Engineers Malaysia (BEM) for the Engineering Technology Accreditation Council (ETAC) for undergraduate students.

1.3. Job Scope of Industrial Training

During this internship programme, I was assigned under department of sales and marketing Glasfil polymer Sdn. Bhd. The job is responsible for various duties and work task such as under department sales my daily task is to search and make a list of companies for cold calling, I also was assigned to cold calling 50-80 companies per day. After called the companies, I have to email the companies that show interested in Glasfil polymer company. The purpose of cold calling is to convince the potential customer to purchase company's product. Next, under the Marketing Department, I was assigned to upload and update in e-commerce (example: edit picture, new design for advertise store, new design company's catalogue. The ecommerce is Shopee and Alibaba Marketing. My daily task under marketing department are to photoshoot of photo that shows the environment at Glasfil polymer but related with KW product after that edit the photo with creativity and upload it on the social media (example: Facebook, Instagram) The daily task is to edit 3 pictures in canva and the upload 2 posts per day on social media. The purpose of this task is to engage in social media which is to increase the engagement, number of people that reached the social media page and likes. My next daily task is created a script for company's YouTube content. Next job duties are to help to be company's manpower. I was assigned to be operator for GK product (George Kent) which is water meter product for 1 month and half. The operator's GK product jobs are to trim, grease and assembly the counter and chamber of GK product. Last job duties are to key in the data of stock list in SQL financial account. I also experience some training which is Injection moulding training that are held for a week. The working hour start from 8.30 am to 6 pm with 1-hour lunch break in between 5 days a week. I had successfully completed 17 weeks of industrial training despite the pandemic COVID-19. I felt very blessed that I had the opportunity to work with great mentors along with my supportive colleagues. Every day at work is a learning process to me and I am glad that I did apply some theories I have learned during my diploma and I have learned new things along the way.

2. CONTENTS

2.1. Organizational chart and history of the company

2.1.1. Organizational chart

ABBREVIATIONS
<i>CEO</i> _ Chief Executive Officer
<i>HR</i> _ Human Resource
<i>IT</i> _ Information Technology
<i>QA/QC</i> _ Quality Assurance & Quality Control
<i>R&D</i> _ Research & Development

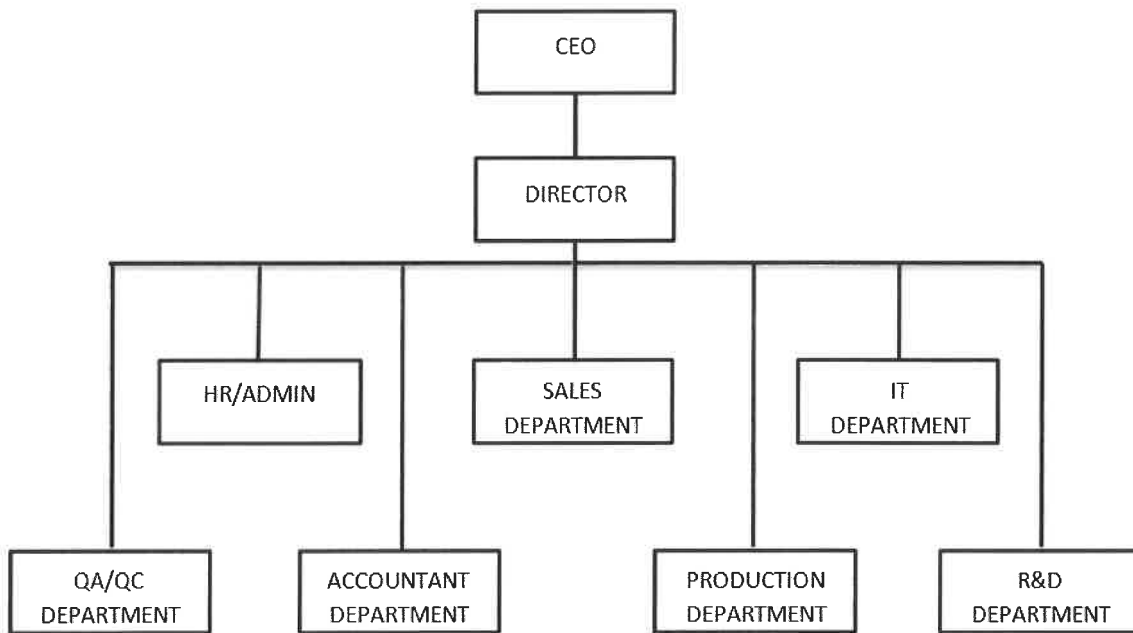


Figure 1 : Organisation chart at Glasfil Polymer SDN BHD

2.1.2. History of Company



Since 1992, Glasfil Polymer Sdn. Bhd. has been specializing in Plastic Injection Molding with Mold Fabrication and Plastic Production.

Mr Chee, the first generation owner of Glasfil Polymer. In the first 25 years Glasfil Polymer only owned 13 machines in the old factory and 30 employees. In 2017 Glasfil Polymer moved to a bigger factory that is located in Balakong, Selangor. In the same year Ms Samantha had taken over Glasfil Polymer who is the daughter of Mr Chee as the second generation owner of Glasfil Polymer. Currently, Glasfil has over 100 and more employees, 19 machines, 2 factories and 1 warehouse.

Glasfil is one of the leading manufacturers in Malaysia. We offer customers a one stop solution for mold fabrication and plastic injection. Our one stop solution includes in-house design, tooling expertise, providing professional part design and drawing according to the most exacting specifications, in-house trial and submit samples for customer's approval to maintain our top quality assurance.

In order to meet precise needs and wants from customers, our team will conduct the necessary research to fully study the details of the product and provide precise expertise and skill to customers. Glasfil's mission is to solve customer issues and provide them an ideal solution and assure the product quality perfection and meet all the requirements needed.



King Of Water is the brand of Glasfil's sanitary ware products which found in 1992 under our parent manufacturer company, Glasfil Polymer Sdn Bhd evolved ourselves from a plastic injection moulding in Malaysia into developing and R&D of new products to the household, DIY, hardware or even end users in the range of Bathroom & Kitchen Accessories like Taps, Valve, Hand Showers, Bidet Rinser, Faucet, Basin Sink Tap, Hose etc. In 2014, we have extended our brands to stainless steel series.

Company's Mission

We will implement integrated operation with multiple technologies and be the “one stop centre” for plastic products market to fulfil diverse customers' requirements. Thus, Glasfil Polymer will be able to offer customers with products that exceed their expectations.

Company's Vision

Become the world's leading plastic polymer designer and manufacturer in the international field.

2.1.3. Business Activities

Glasfil Polymer 'main business activities 'offer customers a one stop solution for mold fabrication and plastic injection. Our in-house design and tooling expertise provide professional part design and drawing according to the most exacting specifications. We do in-house trial and submit samples for customer's approval to maintain our top-quality assurance. The others main business activities are:

- Mold fabrication/tooling c/w design and analysis
- Plastic injection molding with Video Non-Contact Measuring Device (Accuracy ± 3 micron)
- Expertise in plastic material recommendation / consultation
- Material design with 2D and 3D Solid works in plastic which includes Strength Analysis, Production Stimulation, Structural Strength and Pressure Resistance
- Provide secondary process such as Ultrasonic Welding, Pad Printing, Silk Screen and Assembly Jobs
- Manufacturing company which comply to Green Environmental System

2.1.4. Scope of business

1. Research and development

Glasfil Polymer has taken the opportunity to upgrade our Research and Development facilities and allocates almost 5-10% of the company's total revenue for R&D annual expenses.





2. Precision Tooling

At Glasfil, we have an amazing team of highly skilled plastic injection mold makers who are equipped with cutting edge technology. With careful consideration we will select the best possible steel material which suits the functionality of customers products. After completing the fabrication process, our R&D Dept together with QA Dept will test the mold to ensure the sample suits customers requirements. We also offer CNC milling, grinding and wire cut services



3. Plastic Injection Moulding Technologies

Plastic Injection Molding commonly used in the manufacturing process for plastic fabrication. At Glasfil Polymer, plastic injection molding is one of the technologies that has been used in our production to develop a wide variety of products.



4. Secondary Process

Secondary processing is the final stage in manufacturing. These processes are used to further modify the output of primary manufacturing processes in order to improve the material properties, surface quality, surface integrity, appearance and dimensional tolerance.



5. Maintenance & Repair

Mold maintenance, or tool maintenance, refers to the cleaning and repairs that are needed to keep an injection mold in the best working order. Maintenance is performed routinely over the life of the mold and also when any problems arise.



6. Quality Assurance & Quality Control

This is so that we may meet with the expectations of our customers. A permanent element of the Glasfil production process is the quality control and verification of all material used. Close collaboration with suppliers of chemicals and machinery benefit Glasfil in quickly responding to market developments and new customer demands.



7. Logistics

Our dedication to our customers goes further than that. We intend to support you until your products are being shipped. Anything from contract manufacturing to drop shipping our logistics team will effectively and efficiently meet your demands. We can manage any delivery whether domestic or overseas. We will find and contact the right forwarders for your shipment. We even have our own drives and vehicles to deliver products to destinations that are within our reach. We also offer packing services and will ship them in any desired quantity.

2.1.5. Material Used

ABS

- ✓ Automotive
- ✓ Electronics / Computers
- ✓ Households products/ Consumer Goods
- ✓ Pipes, Hoses & Fittings
- ✓ Sports & Leisures

PPO

- ✓ Structural parts
- ✓ Electronics,
- ✓ Household
- ✓ Automotive items that depend on high heat resistance, dimensional stability and accuracy

ABS

- ✓ Automotive,
- ✓ Electronics
- ✓ Telecommunication
- ✓ Suitable when hard yet light-weight, heat resistant and easily processed materials are required

SPS

- ✓ Automotive
- ✓ household appliance applications
- ✓ Electrical enclosures

POM

- ✓ Automotive
- ✓ Consumer electronics applications
- ✓ Can be used as an alternative to metal

Nylon

- ✓ Automotive
- ✓ Electronics / Computers

PC

- ✓ Plastic lenses in eyewear
- ✓ Medical devices
- ✓ Automotive components
- ✓ Protective gear
- ✓ Greenhouses
- ✓ Exterior lighting fixtures

Acrylic

- ✓ Indoor and outdoor signs
- ✓ POP displays and exhibits
- ✓ Architectural glazing, skylights
- ✓ LED diffusing lighting panels

PPS

- ✓ Automotive
- ✓ Electrical and Electronic Applications
- ✓ Industrial Applications
- ✓ Medical Applications

LDPE

- ✓ Consumer products
- ✓ Medical devices
- ✓ Houseware Items
- ✓ Electronic wire/cables

2.1.6. Product of Business

- Automation



4" SEAL RING & SWITCH FINGER
AUTOMATION



TWO FORMER TIES(GLOVE MANUFACTURING
(MACHINE)
AUTOMATION

- Automotive



REAR PANEL
AUTOMOTIVE



CLIP PIPE 1 & 2
AUTOMOTIVE



SEPARATOR RING
AUTOMOTIVE



WAJA ADAPTOR
AUTOMOTIVE



FAN SHROUD
AUTOMOTIVE



THERMO AMP CASING
AUTOMOTIVE

- Bathroom Accessories



MDP LEG
BATHROOM ACCESSORIES



SHOWER FACE
BATHROOM ACCESSORIES



SHOWER BELL
BATHROOM ACCESSORIES



1/2 Pvc Lock Nut
BATHROOM ACCESSORIES



PC INSERT SQUARE
BATHROOM ACCESSORIES



SHOWER BODY ARM
BATHROOM ACCESSORIES

- KW PRODUCT



• Construction



CAP NUT
CONSTRUCTION



V CLEATS
CONSTRUCTION



RUBBER HELIPAD
CONSTRUCTION



DIAMOND LOUVER
CONSTRUCTION



PLASTIC SPOOL
CONSTRUCTION



WINDOW LOUVER
CONSTRUCTION

• Electric & Electronic



SPECIAL GRIP
ELECTRIC & ELECTRONIC



Plastic Tube 16V1B073
ELECTRIC & ELECTRONIC



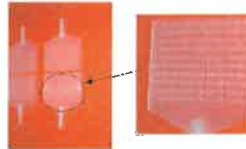
PLASTIC CLIP VS 808
ELECTRIC & ELECTRONIC



PLASTIC CLIP VS 640 SF
ELECTRIC & ELECTRONIC



Wire Grip (K.M.S)G
ELECTRIC & ELECTRONIC



PLASTIC JIGS
ELECTRIC & ELECTRONIC

- Furniture



CHAIR BACK
FURNITURE



NEW BUMPER
FURNITURE



FRISCO FOOT SET
FURNITURE

- Premium Product

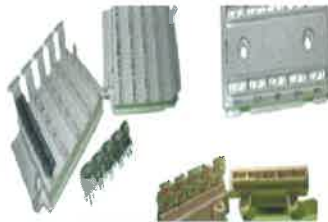


MY SLOT 1 & 2
PREMIUM PRODUCT



DISC CAP
PREMIUM PRODUCT

- Telecommunication



PODIUM BRAKET
TELECOMMUNICATION

- Water meter

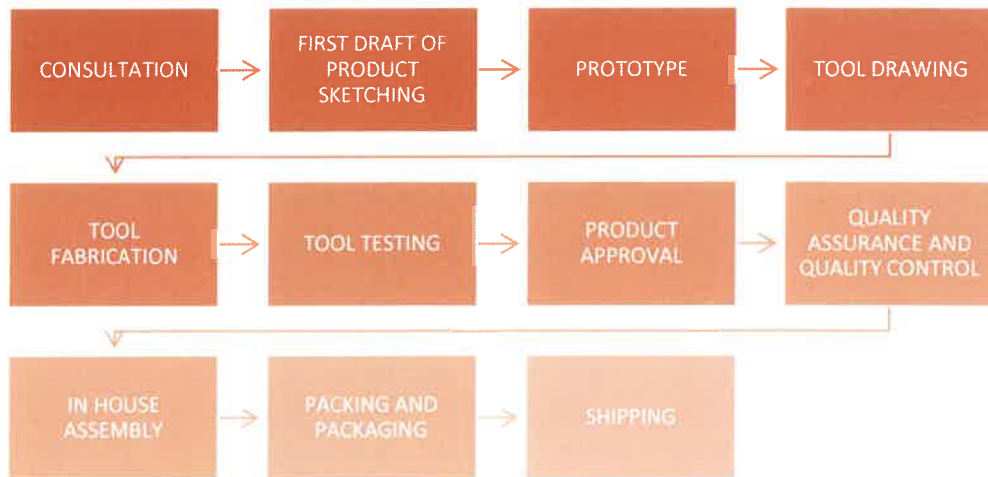


COUNTER & CHAMBER HOUSING
WATER METER



WATER METER HOUSING
WATER METER

2.2. PROCESS FLOW



Process flowchart at Glasfil Polymer Sdn. Bhd.

Consultation (Product Concept)

We provide free consultation for our customer and research for our customer to understand their requirements better

First draft of product sketching

For the whole idea of product sketching our R&D team will be focused on the material via production processes and component properties up to assessment of procedures and products in the light of economical and ecological aspects.

Prototype

We will provide a 3D prototype for customers to “look, touch & feel” the product or part before committing to more time and costly aspects of production by using SolidWorks and Moldex 3D software.

Tool Drawing

Our mould department will proceed to tool drawing after getting the approval from the customer. It will take 7 days to proceed from tool discussion to tool approval

Tool Fabrication

Our in-house experience and skilful mould technicians will start using the High Precision steel cutting technology to fabricate the tool. In house tool fabrication could help customer save time and cost.

Tool Testing

Our technicians will run tool testing to assure mold performance, quality and track the test outcomes to assure the tool is perfect.

Product Approval

Our team will send a product approval to our customer before starting sunning mass production.

Quality Assurance & Quality Control

We have comprehensive in-house testing facilities to achieve the test specifications that are required by our customers.

In House Assembly

We provide in-house assembly service to customers as it could reduce cost and achieve quality consistency.

Packing & Packaging

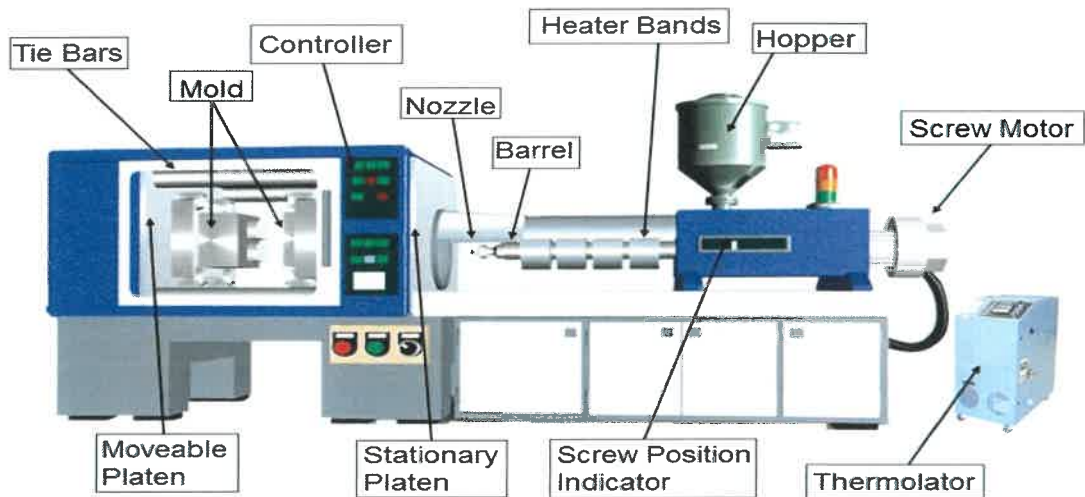
We offer packing and packaging services that are customizable to your business's needs. We ensure the packing of all products are meeting your standards and quality.

Shipping

We ship our goods worldwide, by sea and by air. Wherever you are, will be sure to get there.

2.3. PRODUCTION

2.3.1 Injection moulding machine



Plastic Injection Moulding Machine

Plastic Injection Molding commonly used in the manufacturing process for plastic fabrication. At Glasfil Polymer, plastic injection molding is one of the technologies that has been used in our production to develop a wide variety of products.

Our specialized injection moulding technology includes:

- Insert moulding
- Horizontal moulding
- Gas Assisted Injection Moulding

There are three crucial elements in injection molding:

- The injection moulding machine
- Raw material (plastic)
- Mold

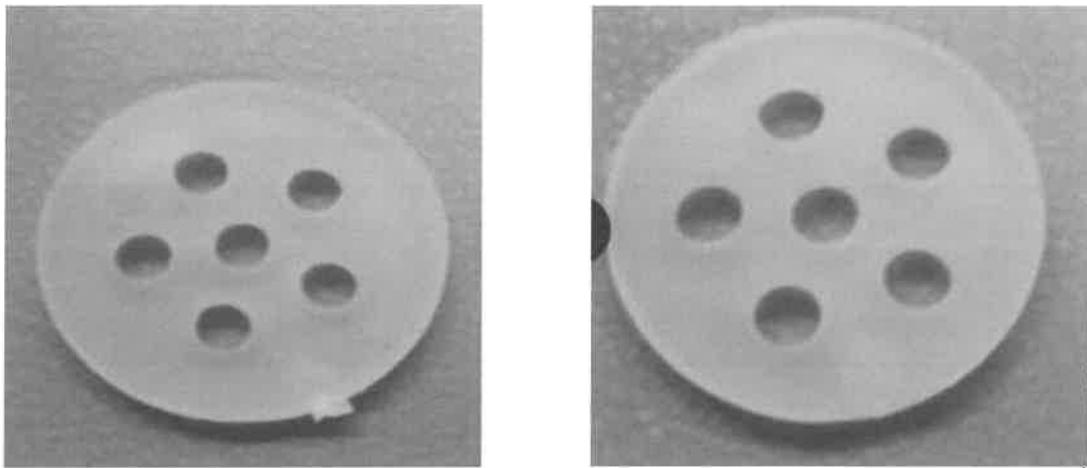
With all the elements above, we start our product with a cycle in order to create a systematic and productive way to develop our product. The injection moulding cycling comprises 4 phases clamping, injection, cooling and ejection. Each phase contributes its own role to produce a plastic product.

1. Clamping - Before the material is injected into the mold, the two halves of the mold must first be securely closed by a clamping unit. Each half of the mold is attached to the injection molding machine and one half is allowed to slide. The hydraulically powered clamping unit pushes the mold halves together and exerts sufficient force to keep the mold securely closed while the material is injected.
2. Injection - The raw plastic material, usually in the form of pellets, is fed into the injection molding machine, and advanced towards the mold by the injection unit. During this process, the material is melted by heat and pressure. The molten plastic is then injected into the mold very quickly and the buildup of pressure packs and holds the material. The amount of material that is injected is referred to as the shot.
3. Cooling - The molten plastic that is inside the mold begins to cool as soon as it makes contact with the interior mold surfaces. As the plastic cools, it will solidify into the shape of the desired part.
4. Ejection - After sufficient time has passed, the cooled part may be ejected from the mold by the ejection system, which is attached to the rear half of the mold. When the mold is opened, a mechanism is used to push the part out of the mold

After the injection molding cycle, some post processing is typically required. During cooling, the material in the channels of the mold will solidify attached to the part. This excess material, along with any flash that has occurred, must be trimmed from the part, typically by using cutters. For some types of material, such as thermoplastics, the scrap material that results from this trimming can be recycled by being placed into a plastic grinder, also called regrind machines or granulators, which regrinds the scrap material into pellets. Due to some

degradation of the material properties, the regrind must be mixed with raw material in the proper regrind ratio to be reused in the injection molding process.

At the end of the cycle, the molded part is produced. Then, the part will then undergo the secondary processes to become the final product. The picture below shows the example of the molded part and final part of the product



Molded part vs Final part

2.3.2 Mold maintenance and repair

Mold-maintenance functions such as disassembly, troubleshooting, repair, cleaning, and assembly can and should be standardized and formalized. A systemized approach can bring significant benefits:

- Reduced labor hours and spare-parts usage.
- Reduced or eliminated part defects. ☑ Reduced scrap rates and downtime.
- Improved part quality.
- Improved mold performance and reliability.
- Improved skill levels and morale of repair technicians.

2.4. DESCRIPTION OF TASK ASSIGNED (MINI PROJECT)

2.4.1 REVO ASSEMBLY

What is REVO?

The REVO product is the custom design by the customer. Then the customer sends their product samples to the Glasfil company. The function of this product is its act as a phone holder or we called it as Tripod. The products speciality is it has their own remote so it can rotate to 360-degree rotation. It's also has blue LED and have its charging pod so it can be recharge. The REVO product undergo the process flow which is:

1. Consultation (Product Concept)

We provide free consultation for our REVO customer and research for our customer to understand their requirements better

2. First draft of product sketching

For the whole idea of REVO product sketching our R&D team will be focused on the material via production processes and component properties up to assessment of procedures and products in the light of economic and ecological aspects.

3. Prototype

We will provide a 3D prototype for customers to "look, touch & feel" the REVO product or part before committing to more time and costly aspects of production by using SolidWorks and Moldex 3D software.

4. Tool Drawing

Our mould department will proceed to tool drawing after getting the approval from the customer. It will take 7 days to proceed from tool discussion to tool approval

5. Tool Fabrication

Our in-house experience and skilful mould technicians will start using the High Precision steel cutting technology to fabricate the tool. In house tool fabrication could help customer save time and cost.

6. Tool Testing

Our technicians will run tool testing to assure mold performance, quality and track the test outcomes to assure the tool is perfect.

7. Product Approval

Our team will send a REVO product approval to our customer before starting sunning mass production of REVO.

8. Quality Assurance & Quality Control

We have comprehensive in-house testing facilities to achieve the test specifications that are required by our customers.

9. In House Assembly

We provide in-house assembly service to customers as it could reduce cost and achieve quality consistency.

10. Packing & Packaging

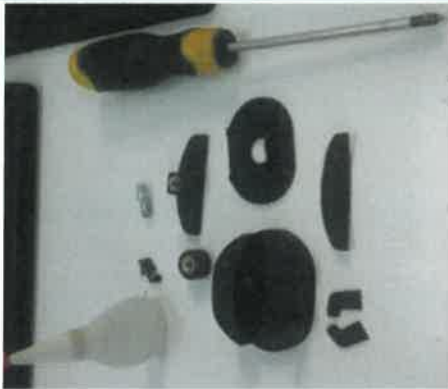


We offer packing and packaging services that are customizable to your business's needs. We ensure the packing of all products are meeting your standards and quality.

11. Shipping





We ship our goods worldwide, by sea and by air. Wherever you are, will be sure to get there.





For this project I was assigned to assembly the REVO products which is the number 9 of the process flow. In house assembly is to provide service to customers as it could reduce cost and achieve quality consistency.

The Table below shows the Standard Operating Procedure of REVO Assembly (SOP)

No	Reference	Description
REVO MOUNTING SOP		
1.		<p>Before starting, make sure item is well prepared</p> <ul style="list-style-type: none"> • REV004 parts • Head screw insert • Super glue • Phillips screw driver • Flat head screw driver • Rubber pad • Flat head screw
2.		<p>Insert the Head screw insert through the mounting body</p>
3.		<p>Put a drop of super glue into the Head screw, and lock the Head screw insert into the Head screw using flat head screwdriver and wait for it to dry</p>

4.		<p>Insert the clamber, turn the head screw to lock the clamber.</p>
5.		<p>Attach the base. Insert 4 flat head screw, and tighten using phillips screw driver</p>
6.		<p>Install the rubber pad onto the horns and the clamber.</p>
<p>REVO POD SOP</p>		
7.		<p>Make sure hand and workspace is clean, no oil or contamination allowed on product surfaces. Wash hand and dry properly before starts of assembly</p>

8.		<p>Before starting, make sure item is well prepared</p> <ul style="list-style-type: none"> • REV001 Top • REV002 Body • REV003A & B Bottom & IR Cap • M2 Screw (round head) • Phillips Screw Driver • Pressing Jig • White Tape
9.		<p>Insert the bearing into REVO body, and use pressing jig to press fit the bearing. Make sure bearing goes all the way inside the parts.</p>
10.		<p>Wrap the pole of the REVO Top using white tape (7 roll). Prepare the REVO Top onto the jig, install the parts on REVO Body using pressing jig.</p>
11.		<p>Install the switch into REVO Body. Make sure the O-Ring is placed on the outer side of the switch to prevent water leakage. Make sure to tightened the nut.</p>

12.		<p>Install REVO IR Cap into the slot and pressed it firmly until it seated nicely into the oval slot.</p>
13.		<p>Align the stepper motor head with the REVO Top, and secured it in place using M2 screw. Make sure the screw is tightened nicely.</p>
14.		<p>Insert the batteri into the battery seating area.</p>
15.		<p>Connect the connector onto the PCB. Make sure the alignment for USB port is correct. LED cable should be inserted at the PCB Slot. Connect the connector according to the label on the PCB.</p> <ul style="list-style-type: none"> • On Off= Switch • Stepper Motor=Motor • Strip LED=LED • Pack 3.7v = Battery

16.		<p>Peel off the double sided tape on the LED strip and stick the LED on the internal wall of REVO Body. Make sure no LED light bulb obstructing the screw hole.</p>
17.		<p>Install the REVO Bottom into REVO Body. Make sure the alignment is correct and secure using M2 Screw.</p>
18.		<p>Stick the QR Code sticker on the bottom square of the REVO Bottom.</p>
19.		<p>Apply the rubber pad onto the REVO Bottom and REVO Top.</p>
20.		<p>Turn on and test with remote to make sure product function properly</p>

2.4.2 ALIBABA MARKETING WEBSITE

For this project, I was given the task of designing photo editing of sanitary ware product called KW (King of Water). I'm required to design KW products Photo, Catalogue and company detail to upload it to Alibaba Group Website. Before doing this project, me and colleagues had a meeting with the person in charge of the Alibaba group's which handle the Glasfil Polymer company. The meeting was held twice which on 14/4/2021 and 16/6/2021.

Alibaba Group

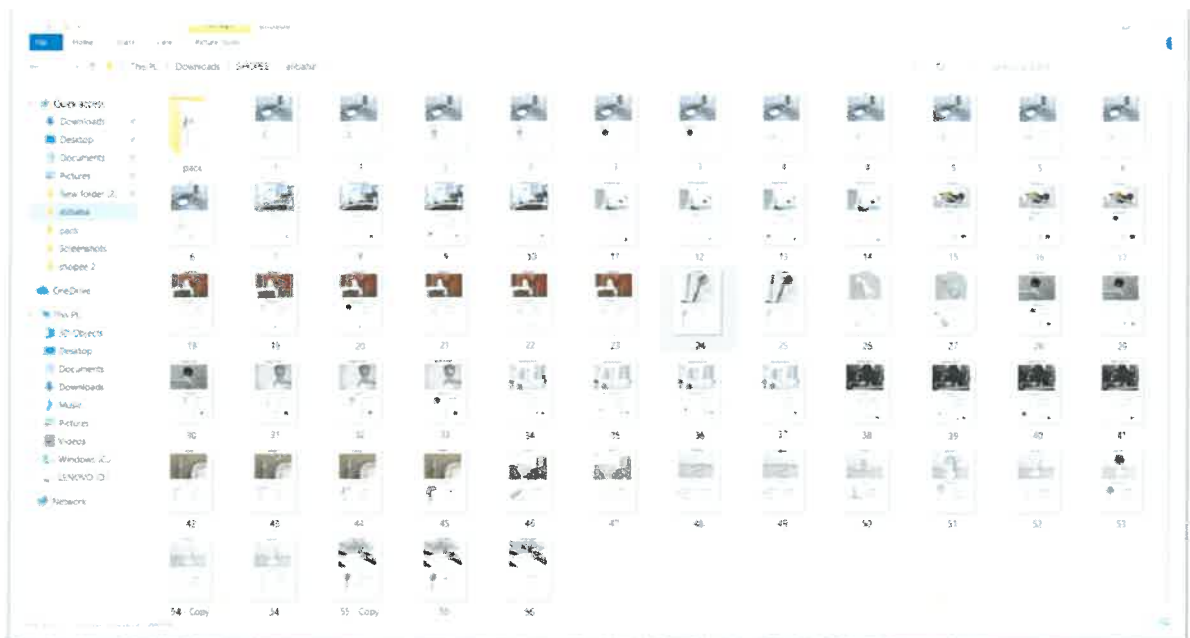
- Alibaba is China's and by some measures is one of the world's biggest online commerce company.
- Its three main sites — Taobao, Tmall and Alibaba.com have hundreds of millions of users, and host millions of merchants and businesses. Alibaba handles more business than any other e-commerce company.
- Alibaba originally began as a peer-to-peer platform similar to Amazon and Ebay, connecting businesses-to-consumers (b2c) businesses-to-businesses (b2b), and even consumers-to-consumers (c2c).
- These functions are divided into three separate sites: Taobao for c2c, Tmall for b2c, and Alibaba for b2b.

Glasfil Polymer and Alibaba.com

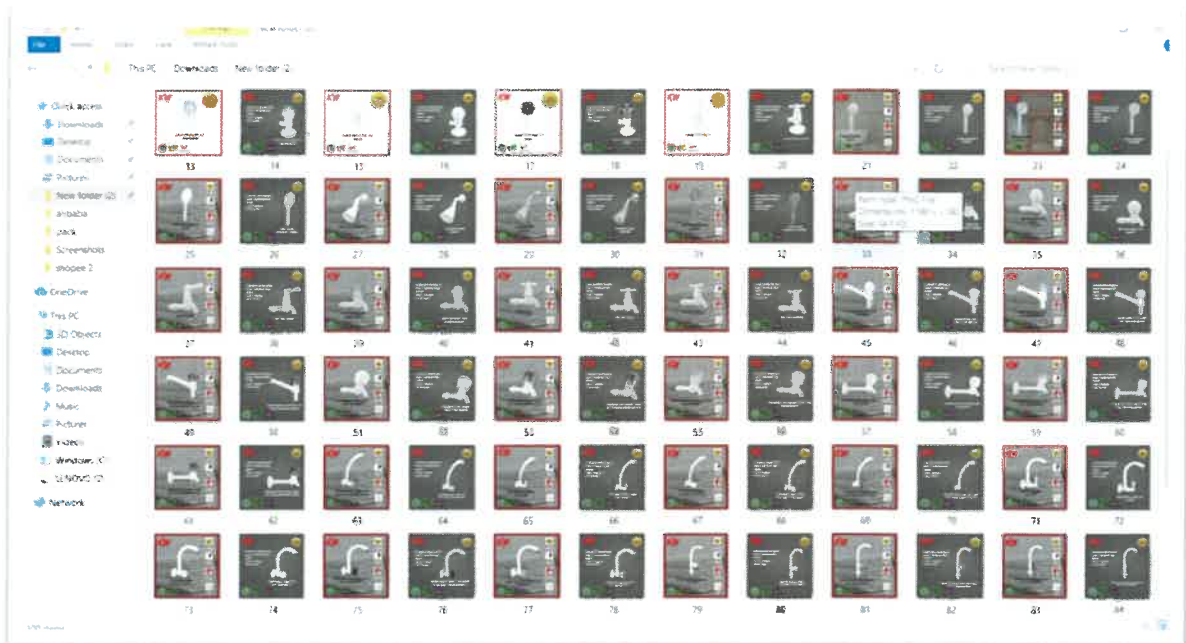
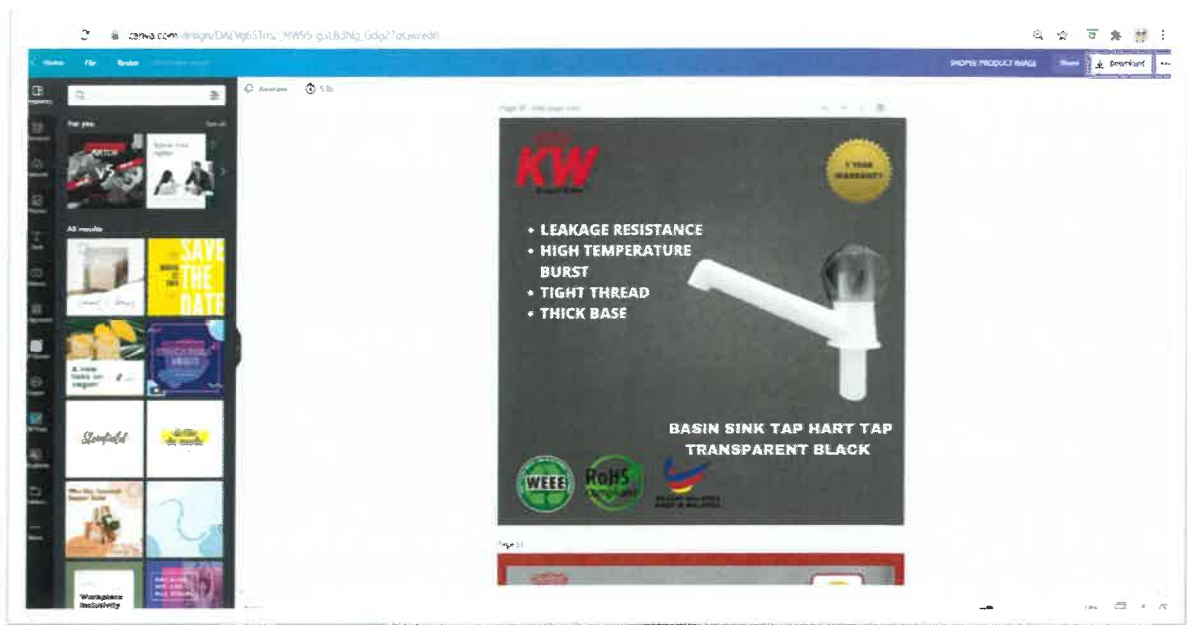
Alibaba.com is Alibaba Group's international business-to-business platform. It connects businesses to global manufacturers. Using Alibaba, Glasfil polymer can find a manufacturer to create bulk products and have them imported into their country. In many ways, Alibaba acts as the sister site to Amazon, as many of Amazon's merchants purchase goods from Alibaba.

The reason of this project is to make Alibaba.com a platform for e-commerce, proposes news, analysis and timely price lists, and development team works research new technologies and functions to support the website which help to enhance the service, reduce operation cost and obtain large profit.

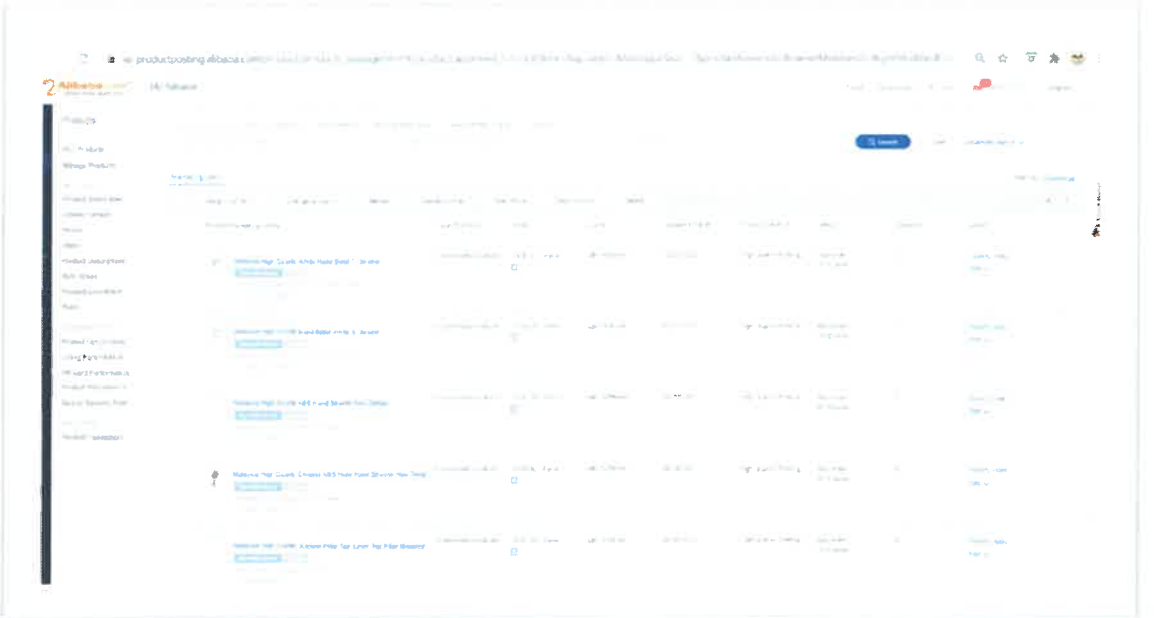
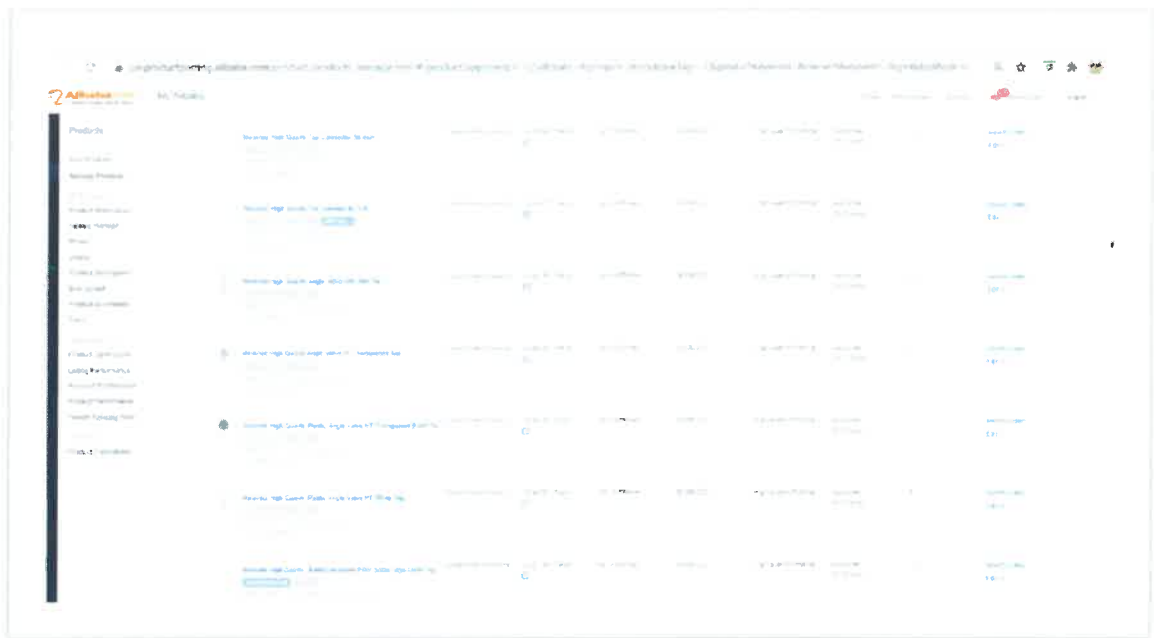
The benefits to make Alibaba an e-commerce platform is Alibaba facilitate a 24/7 meeting platform for suppliers and buyers around the world. Alibaba did not just connect Chinese suppliers with international buyers, but it had connecting all importers and exporters around the world to each other.



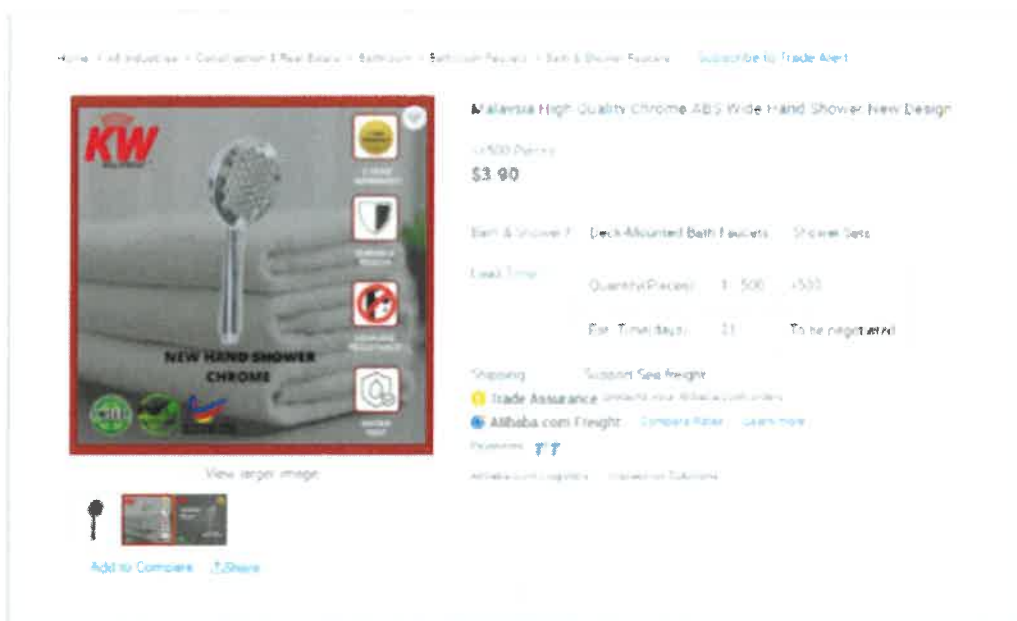
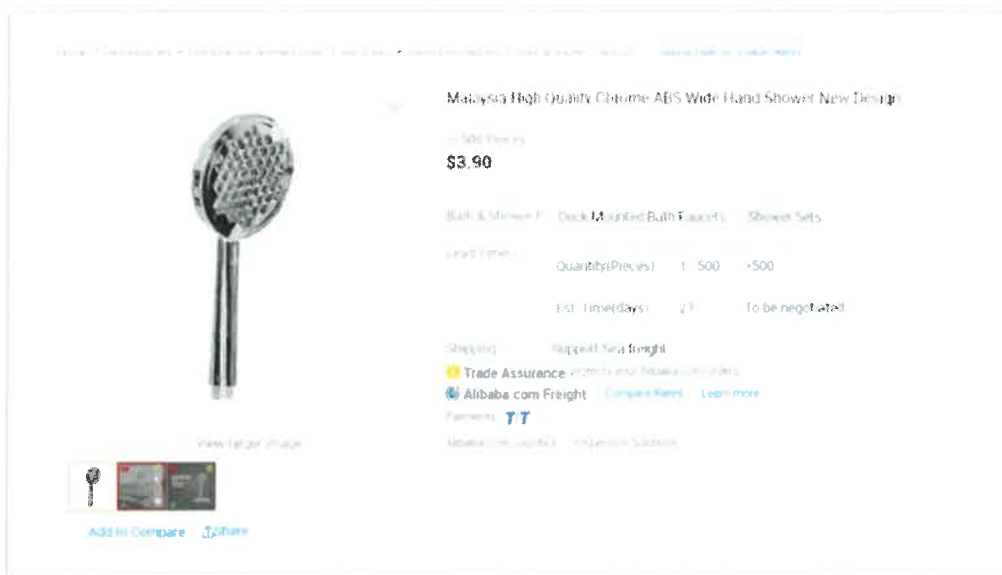
These are the designs for the KW product catalogue that I created on canva.com. I designed these catalogues using the company's Canva account. The Product Catalogue must include a product's name, a photo of the product, product details, and a display of a product in action. The catalogue for all 56 KW products is completed in two weeks. And all of this I'm required to upload on Alibaba.com's product details section.



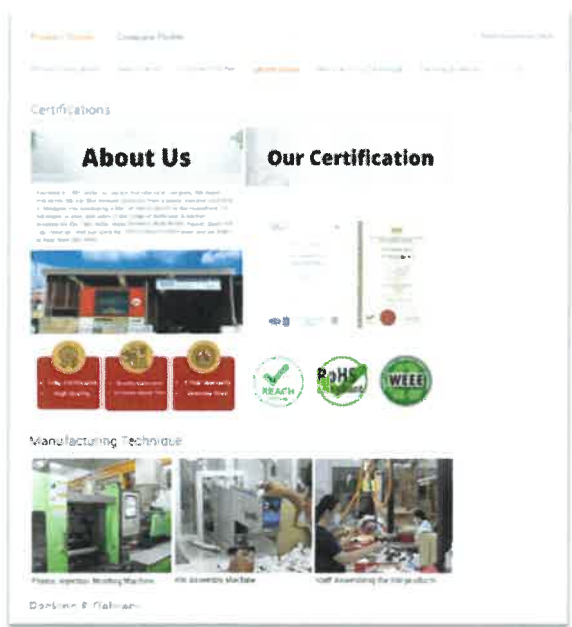
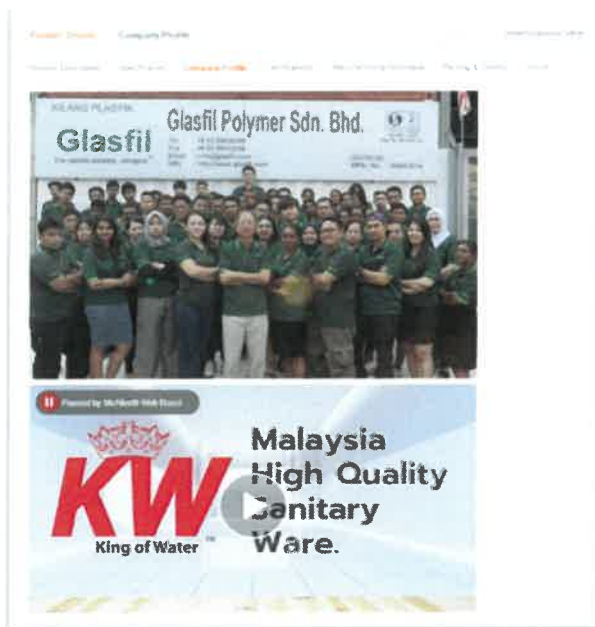
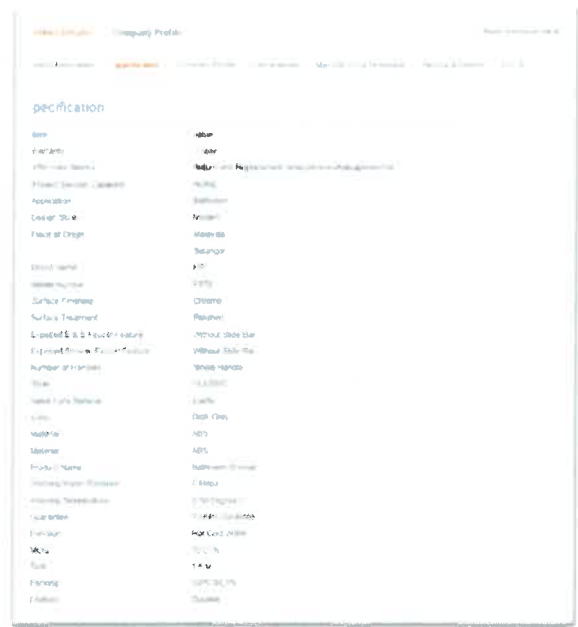
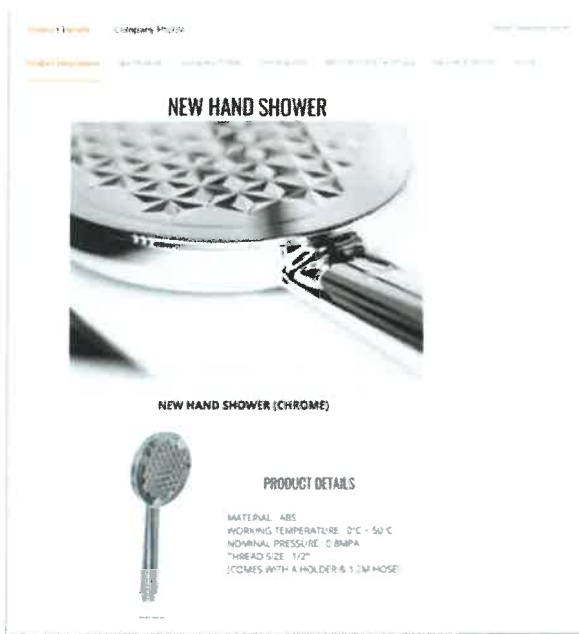
Next, here is the KW product photo display that I created on canva.com. I'm required to edit two designs for each of the 56 KW products, which means I'm required to edit 112 photos on Canva.com. These product photo displays that I created include a product's name, a photo of the product, product details, and a few logos. The edited photo for all 112 KW products took two weeks to completed. And I'm also responsible for uploading all of these to Alibaba.com's product photo display for each product.



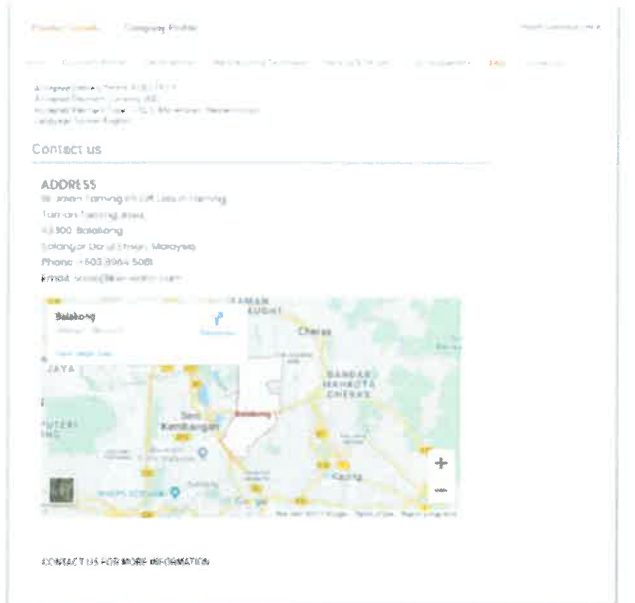
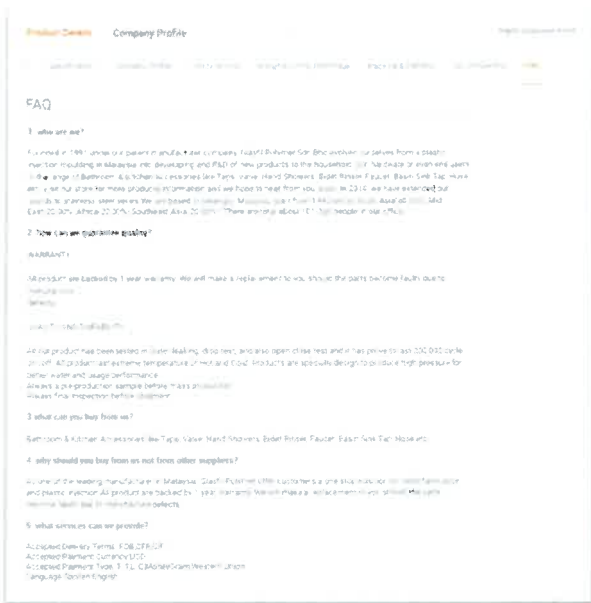
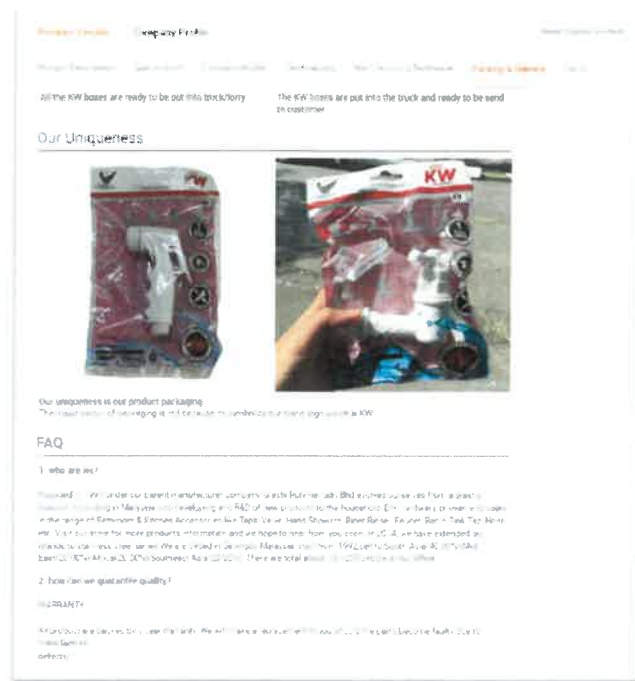
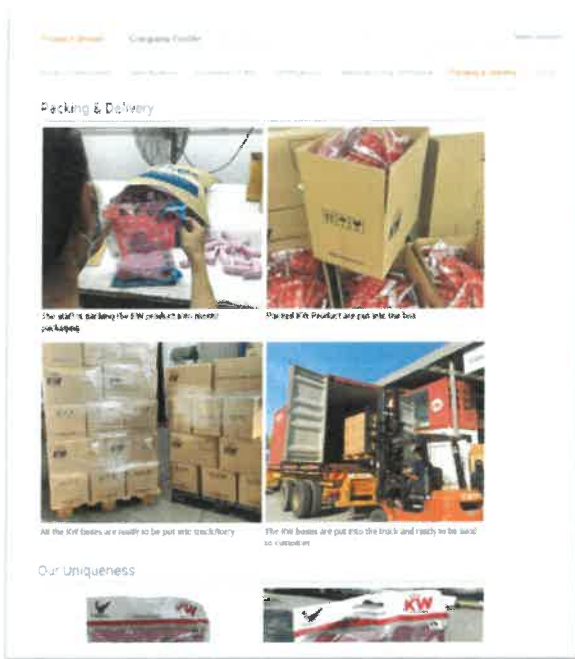
After edited all the photos. I'm responsible for uploading all of the photo that I have designed on Alibaba.com. These are the example of some KW products on Alibaba.com that I have uploaded. The upload of the products took 1 week to completed because I have to create the products details.



These are some display photos of a KW product that I designed, the new hand shower chrome, that I have uploaded on Alibaba.com.



Following that, this is the Alibaba product details section, where I must upload the product catalogue and other product information. I was assigned to design the product details for this section. At the manufacturing technique part, I took all the 3 photo at the factory by myself and uploaded it.



Finally, these are the sections included in the product's details section. I also took the photographs for the Packing & Delivery and Our Uniqueness sections. Additionally, I also add the details below the photo that I took. In the FAQ and Contact us parts, I write the FAQ questions and answers and the address refers to the company's websites.

3. CONCLUSION

Universiti Teknologi MARA (UiTM) has always aimed to produce well-rounded students with strong academic accomplishments, improved communication skills, and leadership abilities that will help them succeed in their future endeavours. The students' participation in this industrial training has provided them with the opportunity to gain real-world work experience and gain a better understanding of the current chemical industries.

This industrial training was a one-of-a-kind experience for me, as I learned a lot about business and the Original Equipment Manufacturer (OEM) of Plastic Products through the tunnels of business. The Sales and Marketing department has provided me with a fantastic opportunity to learn about design and editing, as well as to edit and improve as I go. Nonetheless, I am grateful to be surrounded by such wonderful people at this company and for the new information they have shared with me despite their hectic schedules. I'm also humbled to have been given the opportunity to participate in the company investor's skincare brand as a mini project. I'd like to thank my industrial training coordinators, family, and co-workers, for all of their help, guidance, and support in making my internship a success.

Finally, I am grateful that, despite the pandemic of COVID-19, I was able to complete my industrial training in just 17 weeks. I'd like to thank Ms Nurrul Asyikken Binti Masron, Ms. Lee Wen Yi, and Ms. Samatha Chee, as well as the entire staff of Glasfil Polymer Sdn. Bhd, for accepting my internship, providing me with unending support and guidance, and, most importantly, providing great hospitality along the way.

4. RECOMMENDATIONS

- The duration of the industrial training should be at least a minimum of 4 months and a maximum of 6 months. This would allow students to capitalize more time for them to explore and learn more during their internship while increasing the likeliness of the company to accept their internship offer.
- Site visits should be a requirement for students to gain more exposure in chemical engineering field or meet clients for business engagements to increase their communication skills and confidence level.
- Companies should encourage students to be involved in the company projects. The student does not need to be directly involve (for doing the actual work) of the project, but rather involve them in the group discussion, brainstorming or problem-solving session of the project.