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The Devil in the Details

—Our Etching Technology



With the 3C electronic industry going through continual evolution, new materials and technologies are constantly being applied to the products. A brand-new etch line has been installed and are now in commission for making various type of surface design over base materials of alloyed aluminum or copper, or stainless steel.

What is Etching?

Like silk or mesh printing, the baseplate will be covered and taped over area that is desired to keep before dipping in the solution to etch out the non-desired area. Once done, the tape is removed, and the plate will come off as a cut-out.

The Characteristics of Etching Technology

- It can be applied to and fabricated on almost all metals, such as alloyed aluminum, alloyed copper, iron, steel;
- No restriction on metal hardness;
- Surface free from scratch and burr;
- Change of design is adaptable, speedy, simple, and efficient;
- Tolerance can be as precise as $\pm 0.01\text{mm}$ of etching on mesh perforation.

New etching technology has continuously been applied to our products, which allows us to offer more premium surface quality to our customers. At the same time, the continuous improvement and work process development enable us to bring out the product beauty in detail, and to advance in the field of aluminum fabrication.

Applications Of Holding Device Technology

Promoted at Victor:



The work fixtures are considered an indispensable component in precision fabrication. Driven by the development of fabrication towards high-speed, precision, smart, and environmental protection, these holding devices are developing in the same direction to precision, high-productivity, module, and cost-efficient.

Applications of holding device technology promoted at Victor:



Standardizing

1. Increasing number of parts/components to be implemented
2. Location-pin, socket, tail-block, allocator, valve, hinge mechanism, bracket, holding arm, holding clamp, etc.
3. Shortening lead-time and reducing cost



Precision Intensified

1. Using Expansion Locating Pins to eliminate gaps caused when using the traditional pins, and increasing locating precision up to 5um;
2. Other techniques eliminating locating repetition



Achieving Automation

1. Speedy installation and interchange
2. Automatic material offloading and feeding between feeding line and work bench
3. Adaptable to robot-operation and robot-interaction.
4. High-speed CNC devices.

As we have been focusing on precision fabrication and high-end surface treatment of alloyed alum-mag, we continue growing our knowledge and experience and promoting the application of technology to offer product of technical elegance to more customers.

Citrix XenApp



Promoting the Digital Innovation – Complete Implementation of CITRIX VDI

An essential part of the construction of our base information system is through a complete setup of the CITRIX virture platform where Victor has established a virtual digital center, a corporate Private Cloud, and a corporate-level database and application disaster recovery and backup system.



FOLLOWING IS WHAT OUR VIRTUAL DESKTOP CAN DO:

1.EASIER ACCESS AND USE

It allows our employees to work anywhere on their own “desktop” as long as internet connection is available, while with guaranteed data security.

2.CENTRALIZED CONTROL AND DISTRIBUTION WITH SECURED USE

Once a user is assigned ID and password by the company server, he/she will be able to operate his/her own desktop system through the company network. System configuration is standardized to enable centralized storage and backup while ensuring data safety.

3.REDUCING ENERGY CONSUMPTION, CONSERVING ENERGY, REDUCING EMISSION,AND CUTTING DOWN COST

The PC power is usually 200W or more, Citrix is around 25W, and the power consumption is close to 1/10. The cost is 1/4 of the ordinary PC host cost.

Victor has always been embracing new technologies for the support of digital innovation, which under lays the foundation for shaping a demo mill equipped by Industry 4.0 Smart Manufacturing.



Standardization at Victor



Standardization is one of the two cornerstones for companies to uplifting their Lean Management. It is an important measure for companies to pursue management efficiency while reducing errors.



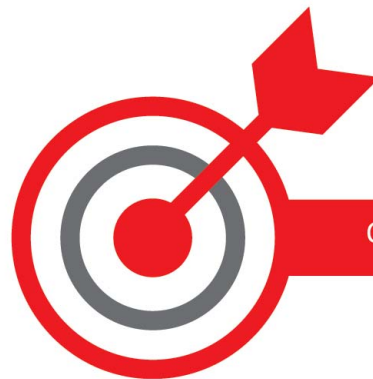
The 4 Chief Goals of Our Standardization

- Technology Reserve
- Productivity Enhancement
- Error and Repeat-Error Prevention
- Education and Training

The purpose of standardization is to, by way of documentation, preserve the techniques and experiences accumulated and acquired by the members of the company, and prevent such techniques and experiences from just disappearing when there is change of personnel in the organization.

Requirements on Establishing a Good Standards

1. Identifying Goals
2. Indicating cause and consequence
3. Being Precise – avoiding abstract concepts and equivocal words
4. Quantifying –materialization
5. Achievable –Standards must be real, in another word, they should be implementable.
6. Open for revision. The standards should be open for revision and updating .



Our Standards

The standards that is presently implemented at Victor includes Quality, Operation, Work Process and Manhours, Process Parameter, Management Kanban (or Management Dashboard), Safety, Data and Information, etc.

It's long been our endeavor in achieving system and operation standardization, building up our internal base data, and upgrading company's core competence.



COMPANY PROFILE

Our company was founded in year 2000. Being a company specialized in sophisticated alloyed aluminum fabrication and high-end surface treatment, JM Victor is not only refined with hands-on experiences through years of accumulation through the sector chain of precision manufacture, but also with unparalleled wealth of knowledge enriched from company operation and management process, which enables the company to offer solutions in overcoming design and production bottlenecks in high-end aluminum fabrication.

In Jiangmen High-Tech Industrial Park, we have invested in construction of our new cyber-physical powered Smart Plant embracing the core Industry 4.0 design concept. The new plant, residing on an area of 100,000 square metres, comprising a global lab of aluminum-magnesium surface treatment and a smart CNC fab centre with its own casting house and stamping workshop, will add on a new chapter of consummate expertise to the venture of JM Victor.

Our Mission Statement

We stand by our commitment to share the harvest and happiness with our staff and workers, create value for our customers and cultivate a company culture with a vision. This is the foundation for the sustainability and continuity of our company and our business.



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