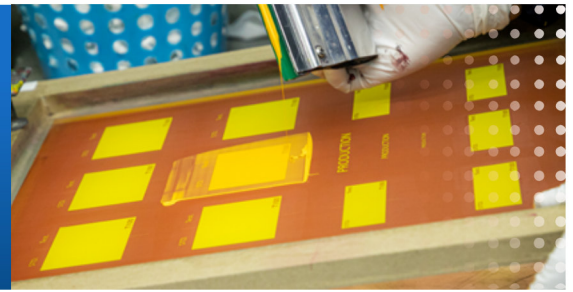


**FOR MORE THAN 30 YEARS,
T.A.O. HAS SUPPORTED THE
SCREEN PRINTING INDUSTRY**
with products, services, and technical expertise.

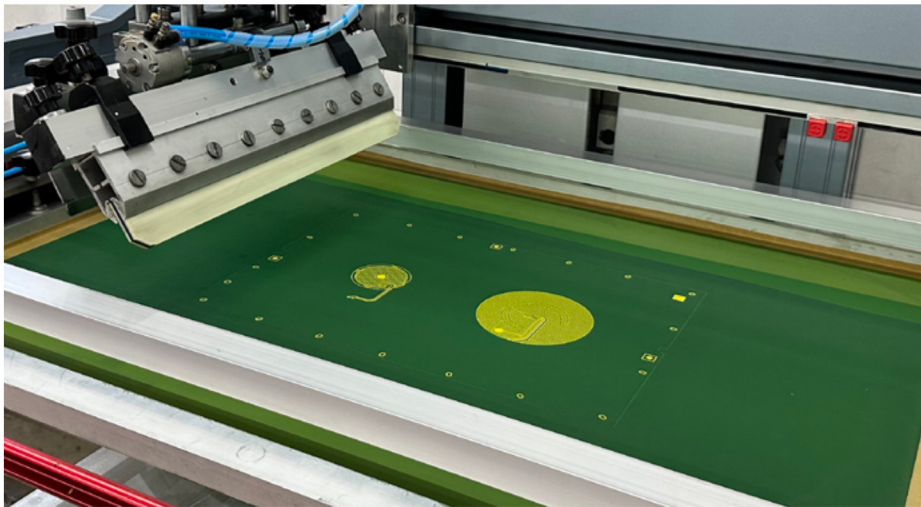


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A Complete Screen Printing Solution



Through long-term partnerships with customers across various industries, we have gained experience and a deep understanding of the screen printing process.

Today, we are taking next step by launch of our **full-scale screen stencil production facility** to provide more complete support to customers.

From Experience to Production

A quality screen stencil is one of the key factors behind consistent screen printing results.

T.A.O. has expanded into screen stencil production using German manufacturing technology to support and produce high-quality product.

Focus Industries

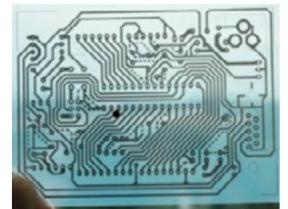
→
Automotive Industry



→
Electronics Appliance Industry



→
Printed Electronics Industry



→
Containers & Packaging Industry



→
Glass Decoration Industry



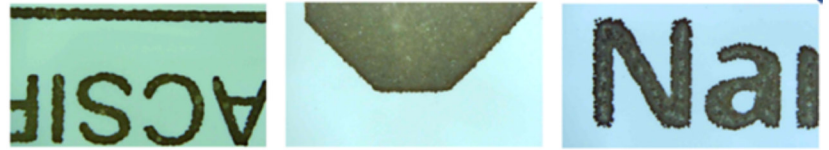
Our team has been trained in screen stencil techniques and production processes by screen stencil specialists from Germany with more than 60 years of industry experience.

We have gained the experience and know-how required to produce stencils that meet industry standards.

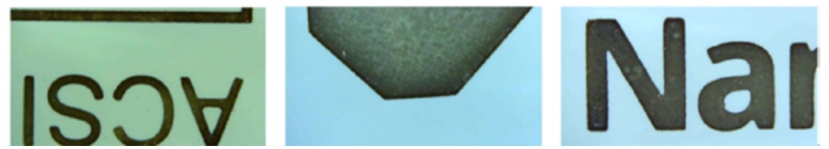
Producing a quality screen stencil starts with the right materials and production process

We use materials and equipment, including screen mesh, emulsion, and screen frames from leading manufacturers and follow standardized production processes to achieve consistent stencil quality.

Before using T.A.O.'s screen stencil



After using T.A.O.'s screen stencil



Key Benefits

1

Sharp and consistent print quality

2

Extended stencil life

3

Reduced production waste

4

Consistent stencil quality across repeat orders

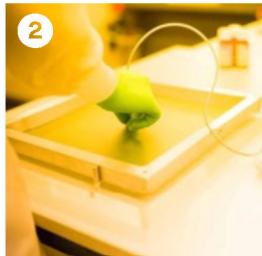
5

Cost efficiency

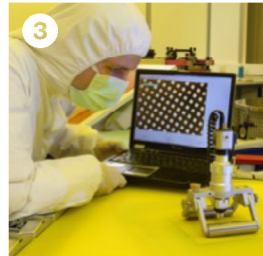
Quality Control Process



Screen Tension Control to maintain print sharpness and accurate print registration



Emulsion Thickness Control to control emulsion thickness for stable ink transfer during printing



Artwork Inspection to inspect artwork detail and quality

Implement the Future

A new chapter for T.A.O. as we continue to grow alongside our customers.

**We are more than a supplier.
 We are a trusted advisor and partner.**

Our Technical Support & Services



Screen printing and ink selection advice



Production troubleshooting



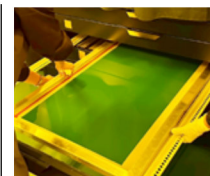
New application development with customers

T.A.O. is taking another step to become a more complete screen printing partner

Ready-to-Print Screen



Pre-coated Mesh



Screen Tensioning Service



For more information, please contact
 Ms. Suparat Tansangtong, Email: suparatt@taobangkak.co.th

MORE CHOICES, MORE POSSIBILITIES FOR PAD PRINTING

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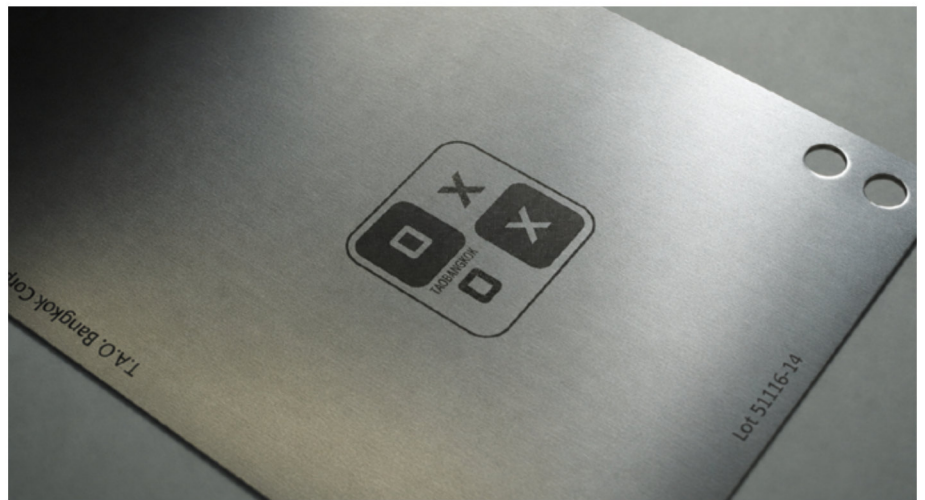
Pad Printing

Today, production cost is one of the key factors that manufacturers continue to focus on.

The ability to reduce costs while maintaining product quality is an important consideration for many manufacturers.



To provide manufacturers with more options, T.A.O. has developed new plates and silicone pads for pad printing applications.



A new option for etched thin steel printing plates

The new 0.25 mm steel plate is made from high-quality carbon steel and processed through hardening and cold rolling techniques.

Key Features

Approx~ **20%** ↓↓
Lower Cost

- Smooth plate surface with strength and durability
- Sharp and consistent print quality
- Etching depth up to 50 microns
- Suitable for low- to medium-volume production
- Available in various sizes (e.g. 100x220, 100x250, 100x260 mm, etc.)

100
x
220

100
x
250

100
x
260

Storage

Recommendations:

As a thinner plate option, the new 0.25 mm plate should be properly stored and handled to maintain print quality



Storage

Store plates on a flat surface to reduce the risk of bending.



Prevention

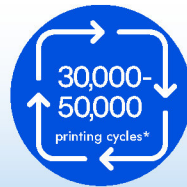
Apply a light coating of machine oil to prevent rust during storage.

Another options for pads

The new silicone pad has been developed to provide manufacturers with an additional option, while maintaining durability comparable to standard silicone pads in the market.

Key features

Up To **30%** ↓↓
 Cost Reduction



Approximately 30,000–50,000 printing cycles*

- Reduced static build-up during printing
- Smooth surface for consistent ink transfer
- High-density silicone without air bubbles
- Available in a wide range of sizes, shapes, and hardness levels
- An alternative pad option for applications such as textiles, and children's products

* Printing cycles may vary depending on the application and operating conditions

Silicone Pad Comparison

Good Pad



Defective Pad



Key considerations

Durability and lifespan may differ from TAO's premium pad range, depending on the application requirements.

Silicone pad shapes

We can produce silicone pads in customized shapes, sizes, and hardness levels to meet customer requirements.

Standard Shapes →



Square shape with square base



Round shape with round base



Round shape with square base

Customized shapes →



Supporting your success with reliable products and service

With plate and silicone pad production facilities in both Thailand and Vietnam, T.A.O. Bangkok Corporation is able to support customers across Southeast Asia. Our experienced team is also available to provide technical advice and help customers solve production issues.

Plate Quality Control



Microscope inspection for image detail and engraving quality



Plate depth measurement with Digimatic indicator

Silicone Pad Quality Control



Visual inspection for shape, surface finish, dimensions, and defects



Density and hardness testing with Durometer

For more information, please contact
 Mr. Kitiraj Sonso at email: kitirajs@taobangkok.co.th

Operational Efficiency. Cost Optimization.

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Turbo Charge Project

We believe that improvement starts from within the organization

The Turbo Charge Project was initiated to unlock the full potential of our employees and internal resources while improving operational efficiency.



A key part of the project was the collaboration between teams within the organization to improve work processes, reduce operational lead times, and enhance overall performance.

As a result of this initiative, a total of 16 projects were successfully proposed and implemented by representatives from six teams, including Supply Chain, Warehouse, Purchasing, Delivery, Ink Mixing, and Service & Product Testing.



To recognize the efforts and contributions of each team, management also presented awards to participating members.

189%↑↑

Over 15 months of learning, testing, and implementation, the project achieved 189% of its expected target. This achievement reflects the strong collaboration in teams and continuous improvement across the organization.

Example Project



Smart Logistics

Delivery Department:
Enhancing transportation planning through technology from personal experience to system-driven operations

- Reduced reliance on personal experiences
- Shortened planning and documentation processes
- Real-time vehicle tracking
- Maintained on-time delivery performance



E-Document

Purchasing Department:
Transforming documents into digital workflows

- Reduced paper usage up to 1,600 sheets per year
- Eliminated unnecessary paper waste
- Simplified document tracking and searching through digital access
- Reduced document processing time
- Enhanced data security through controlled access permissions



Save Energy, Keep Quality

Warehouse Department:
Improving energy efficiency through optimized air conditioning management while maintaining product quality standards.

- Maintained consistent product quality
- Reduced electricity usage
- Extended air conditioner lifespan