

Company Profile

United Precision Technologies Co., Ltd.

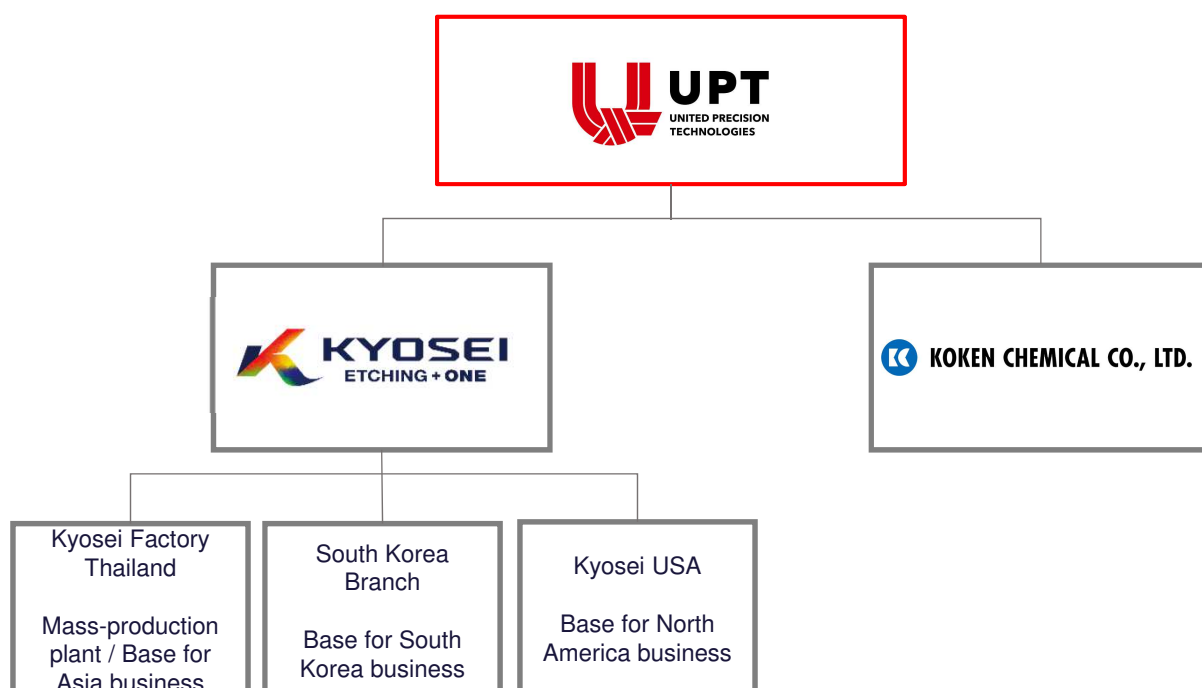


United Precision Technologies and UPT group

- Company name: United Precision Technologies Co., Ltd.
- Headquarters: Chiyoda Bldg., 2-37 Ichigaya-Tamachi, Shinjuku-ku, Tokyo
- Establishment: September 7, 2015
- President and Representative Director: KOGA Shinichiro
- Capital: 50 million yen
- No. of employees (consolidated): 220 domestic; around 900 overseas (including fixed-term and temporary employees)
- Production bases: 3 locations (2 domestic, 1 overseas)

* As of the end of 2018

- Our group (UPT Group) specializes in “fine-process engineering” with photo etching as the core technique.
- United Precision Technologies Co., Ltd. is a holding company that forms a group company consisting of the photo etching manufacturing specialist Kyosei Corporation founded in 1951 and Koken Chemical Co., Ltd. founded in 1973.
- Our components for semiconductors, smartphones and optical instruments and parts for automobiles and industrial equipment are used by world-leading electronics and semiconductor corporations.



The superiority of photo etching suited to micro designs

Features of photo etching and its superiority when compared with other metal processing techniques

	Photo Etching	Laser machining	Press working
Thickness: 4 μ m(0.004mm) to 2.0mm Reference: Aluminum foil 12 μ m=0.012mm Hair strand of a Japanese person 80 μ m=0.08mm			
Choices for materials	Almost all metals	Almost all metals	Almost all metals, excluding difficult-to-cut materials (eg: Mg)
Costs	Cheap, no need for metal molds	Cheap, no need for metal molds	Expensive, metal molds necessary
Design changes	Quick and easy + low cost	Quick and easy + low cost	Time and cost needed for making extra metal molds
Support for micro designs	Photo-quality	Photo-quality	Difficult if creation of metal molds is below several 10s of μ
Support for mass production	Possible	Possible, but takes time and cost	Possible
Fast delivery option	1 week	1 week	1.5 to 6.0 months (depending on metal mold)

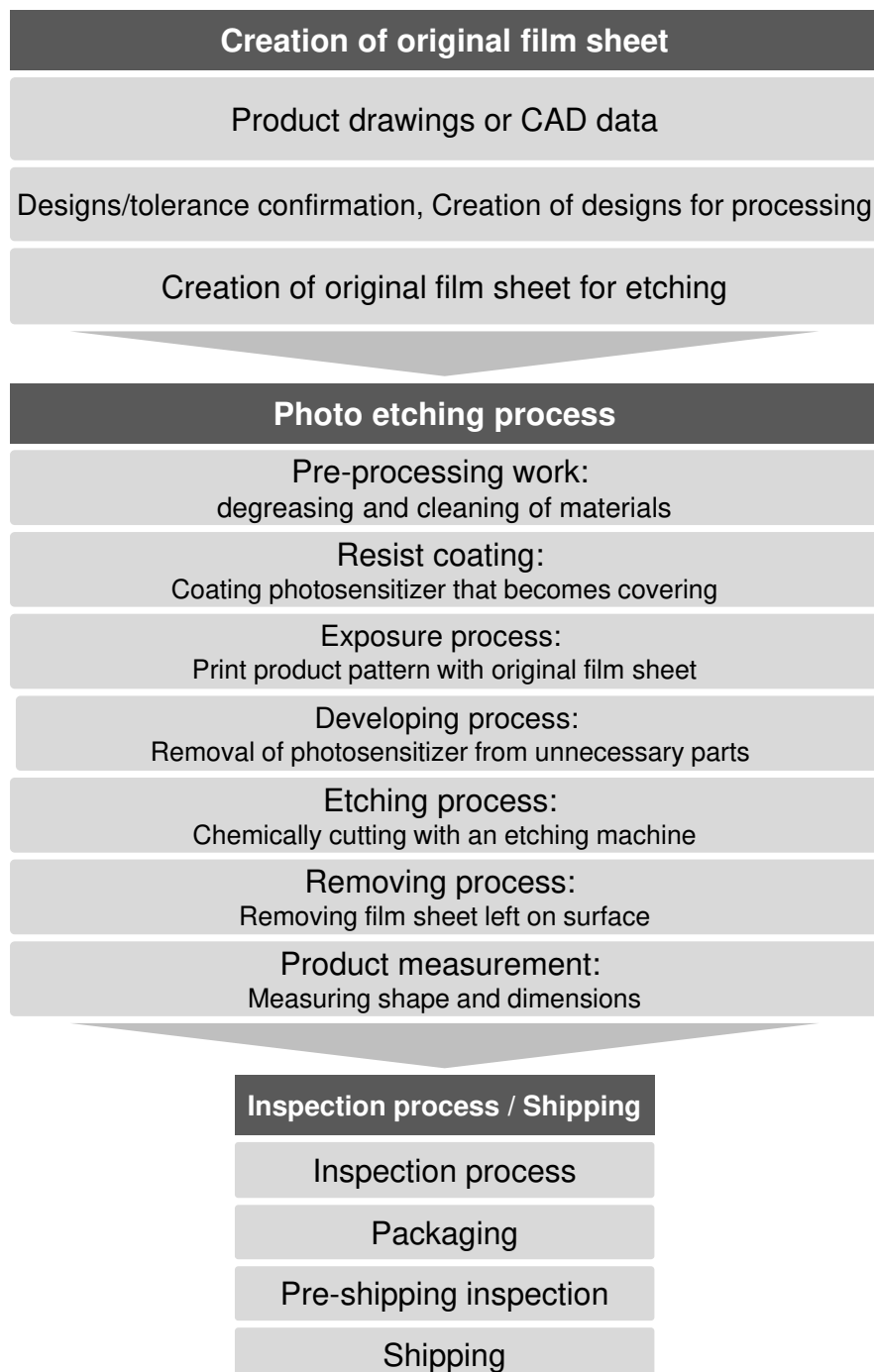
- For large-scale production with fixed designs, press working with metal molds is suitable in terms of cost. However, for prototyping projects for product specification examinations or small to medium-scale production, of whose specifications change at a relatively short cycle and that also may have their designs changed any number of times before the final version, processing with photo etching techniques is suited in terms of cost and lead time. It's also thought to be an ideal production method suited to the era of small-quantity-but-large-variety manufacturing.

The photo etching process

Photo etching is a method of processing through chemical corrosion using “original film plates”. As our original film plates are also made in-house, we are able to meet clients’ requirements and deliver within as little as three days.

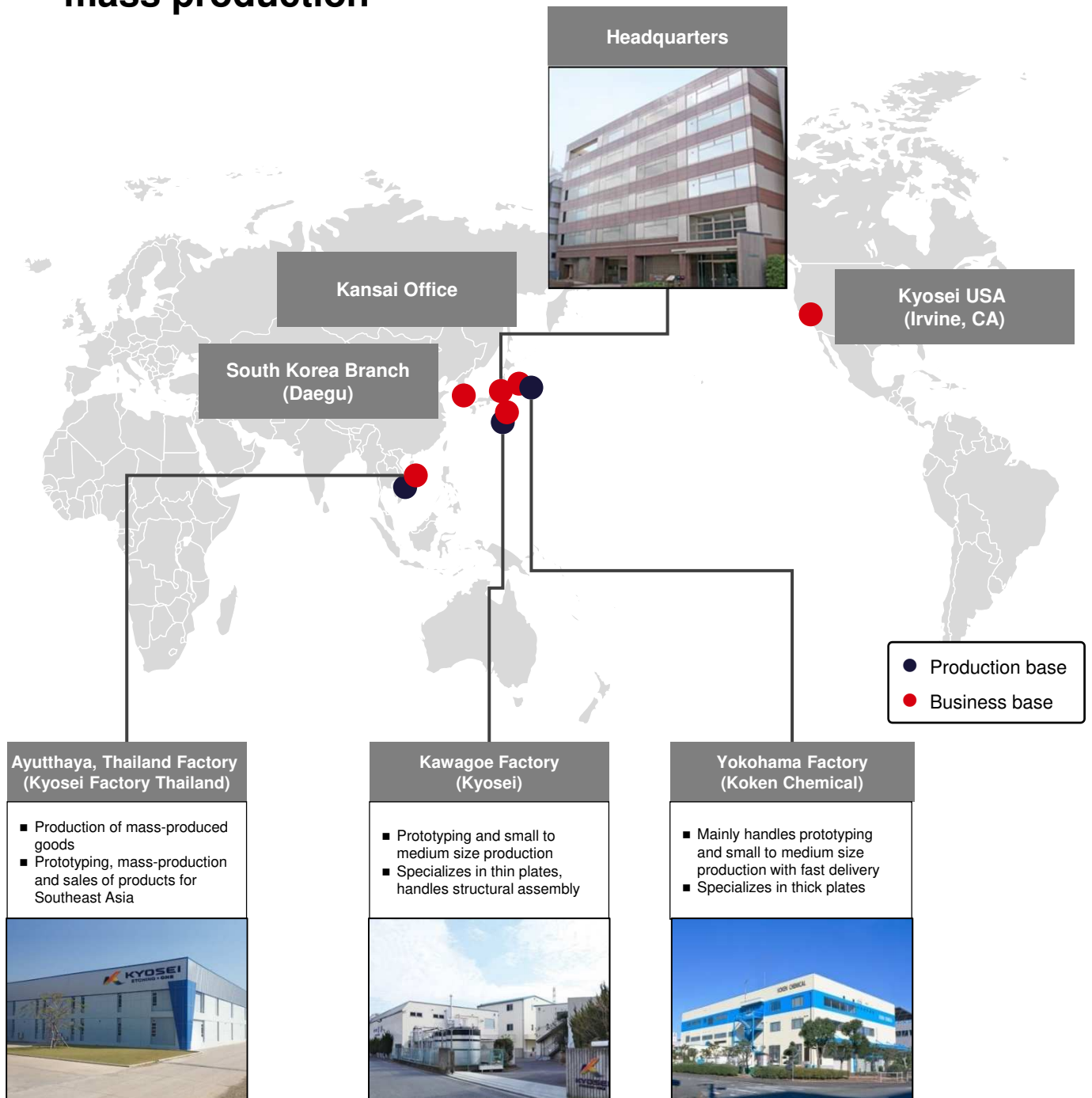
Processable materials: stainless steel, copper / copper alloy, aluminum, phosphor bronze, brass, beryllium copper, nickel, magnesium, titanium, etc.

Ask us about processing any other materials.



The UPT Group Network that supports world-leading makers

- The only photo etching specialist maker in Japan with production bases overseas that can carry out mass production



Why UPT Group is selected by customers?

- **Fine processing techniques recognized by leading companies the world over**
 - At UPT Group, we receive orders and deliver to not only major electronic component makers in Japan but also to leading companies overseas.
- **The largest market share of high precision parts for smartphone camera modules**
 - Our track record shows us to have the largest market share for image stabilizer parts of smartphone cameras modules that require fineness and high-precision. Our high level of technological development constantly meets the needs of our innovative customers.
- **A one-stop for everything from prototyping to mass-production and service you can trust**
 - We have two production bases in Japan and one overseas. We carry out production at the base most suited to the customers' point of delivery, production volume and processing technique.
 - The only Japanese company to own a photo etching mass-production factory overseas. Entrust us with the whole process, from prototyping to mass-production.



United Precision Technologies Co., Ltd.

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<https://upt-co.com>

Kyosei Co., Ltd.

Consolidated subsidiary of UPT

- Company name: Kyosei Co., Ltd.
- Established: May 23, 1951
- President and Representative Director: KOGA Shinichiro
- Capital: 10 million yen
- No. of employees (consolidated): 110 domestic, around 900 overseas
(including temporary and fixed-term employees)
- Offices:
 - Headquarters: Chiyoda Bldg., 2-37 Ichigaya-Tamachi, Shinjuku-ku, Tokyo
 - Kawagoe Factory: 2135 Nakayama, Kawajima-cho, Hiki-gun, Saitama-ken
- Consolidated subsidiaries:
 - Kyosei Factory (Thailand) Co., Ltd.
 - Kyosei USA, Inc.
- Description of business:
 - Various metal precision processing through photo etching
 - Secondary working, plating, bending, diffusion bonding
- Certifications: ISO9001 / 14001
- Main banks:
 - Mizuho Bank, Ikebukuro branch
 - Sumitomo Mitsui Banking Corporation, Iidabashi branch
- URL: <http://www.kyoseiltd.co.jp>

●History

* As of the end of 2018

1951	Foundation
1963	Began production of precision metal parts through photo etching processing of various types of metals
1972	Kawagoe Factory built Production of layered magnetic head cores mainly for production as secondary working
1984	Extension of new building at Kawagoe Factory Implementation of fully-automatic photo etching line
1988	Founded joint corporation K.R. Precision Co., Ltd. for the purpose of HDD suspension production in Thailand
1998	K.R. Precision Co., Ltd., listed on the Thailand stock market. At the same time, all stocks were sold and the company withdrew from operation.
2002	Founded Kyosei Factory (Thailand) Co., Ltd. in Thailand
2015	Became a member of UPT Group
2016	Opened Kyosei South Korea Branch
2017	Founded Kyosei USA, Inc.
2018	Research grant given to University of California Irvine in the USA Obtained the International Trading Center certification in Thailand

Koken Chemical Co., Ltd.

Consolidated subsidiary of UPT:

- Company name: Koken Chemical Co., Ltd.
- Established: November 26, 1973
- President and Representative Director: Kazufumi Tsujii
- Capital: 10 million yen
- No. of employees: 90
- Location: 2-11-5 Fukuura, Kanazawa-ku, Yokohama-shi, Kanagawa-ken
- Description of business:
 - Various metal precision processing through photo etching
 - Secondary working: plating, bending, diffusion bonding, wire cutting
 - Electroforming
 - Special printed circuit boards
 - Laser processing, glass masks, etc.
- Certifications: ISO9001 / 14001
- Main banks:
 - Resona Bank, Limited., Shin-Yokohama branch
 - Sumitomo Mitsui Banking Corporation, Kamiooka branch
 - Yokohama Bank, Kanazawa Sangyo Center branch
 - The Yokohama Shinkin Bank, Fukuura branch
- URL: <http://www.kohkenc.co.jp>

* As of the end of 2018

●History

1973	Founded "Niko Co., Ltd" as a plating business in Kohoku-ku, Yokohama
1975	Began photo etching processing Began manufacturing metal masks
1977	Changed company name to "Koken Chemical Co., Ltd."
1984	Moved to 2-10-12 Fukuura, Kanazawa-ku, Yokohama Increased capital to 10 million yen
1998	With the expansion of business, built and moved to (current Yokohama) factory headquarters Expanded factory and increased automatic equipment
2000	Installed plating equipment
2008	With the expansion of business, expanded factory. Increased equipment
2017	Became a member of UPT Group