

Gudeng Precision Industrial Co. Ltd

家登精密工業股份有限公司



2021.03.19

Partner with **H.E.A.R.T.** , Grow with **P.A.S.S.I.O.N.**

Gudeng Introduction



- ▶ Established : Mar. 20th , 1998
- ▶ Employee : **460** (TW) /**70** (CH)
- ▶ Capital : NT 836,586,120
- ▶ **2019** Group Revenue : NT **2.37** b
- ▶ **2020** Group Revenue : NT **2.5** b
- ▶ Main Product :

Semiconductor

- Mask Handling Solutions
- Wafer Handling Solutions
- Equipment
- Other Service

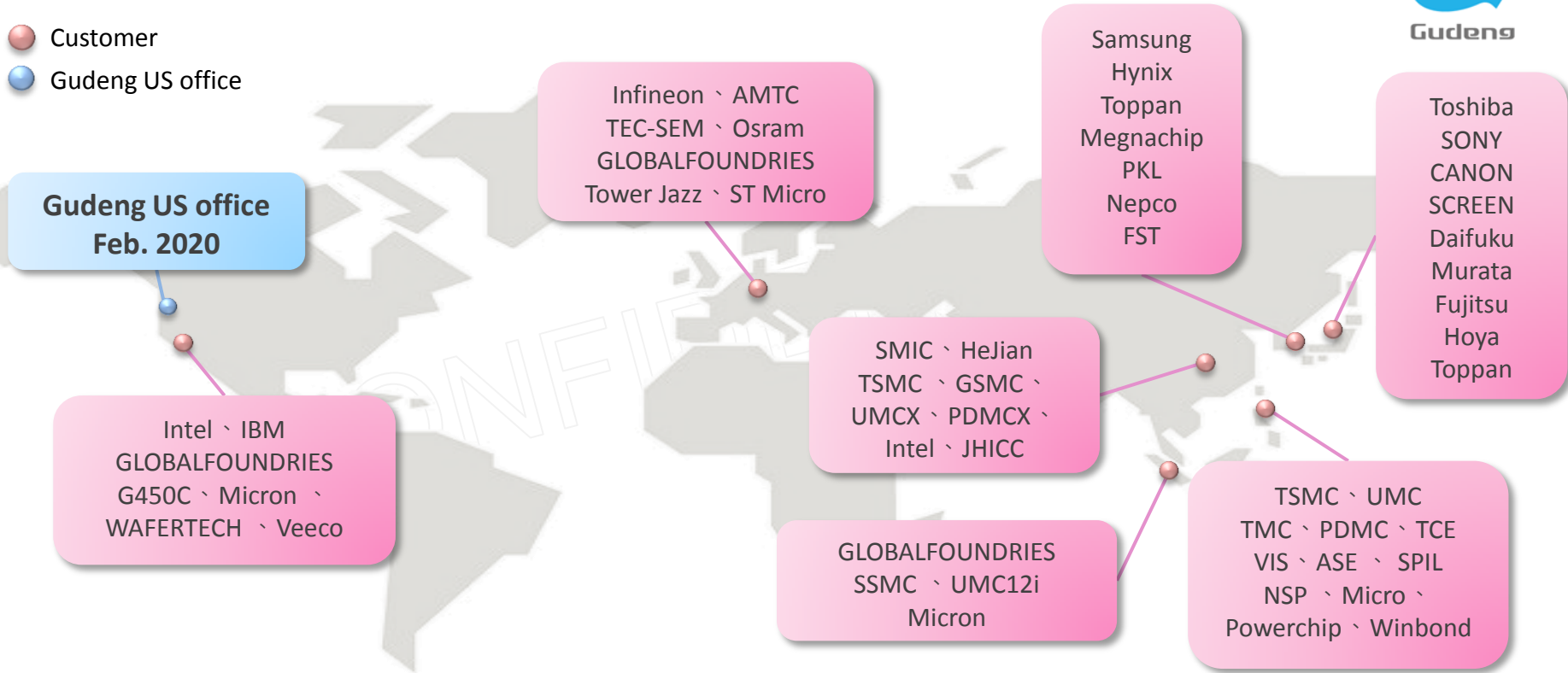
Automotive

- Automotive Sales
- Automotive Part Sales
- After-sales Service

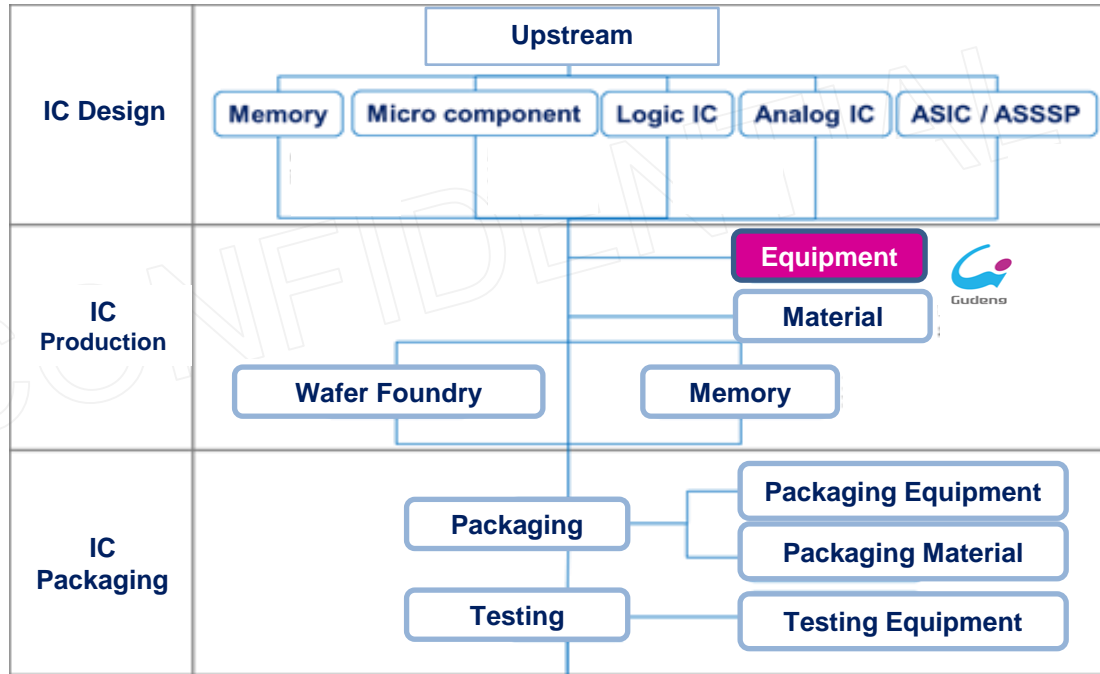
Customers



- Customer
- Gudeng US office

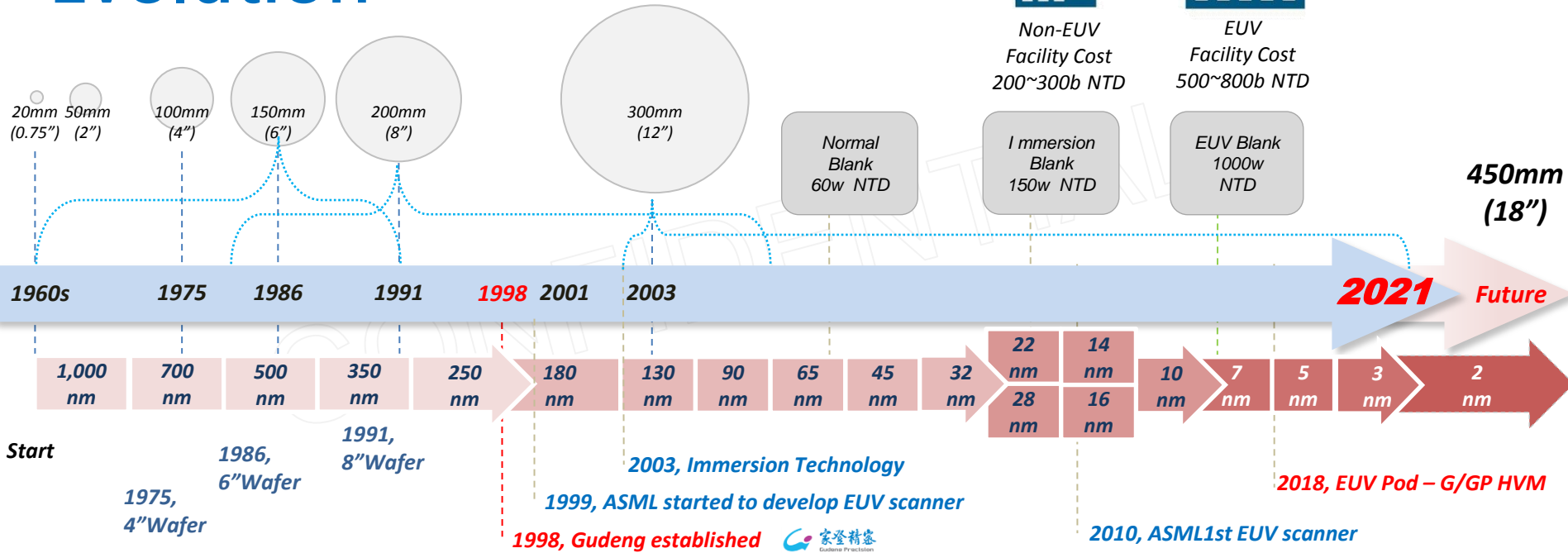


Semiconductor Supply Chain



The number of IC design companies adopting EUV technology determines the growth of Gudeng in the future.

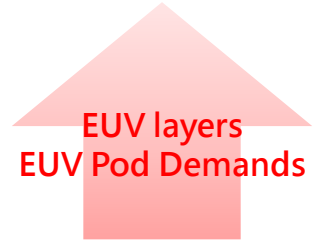
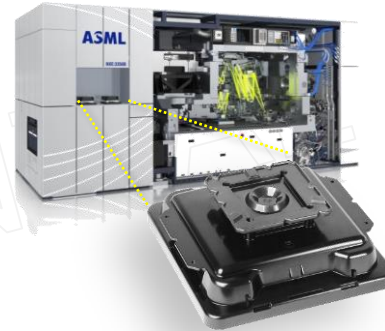
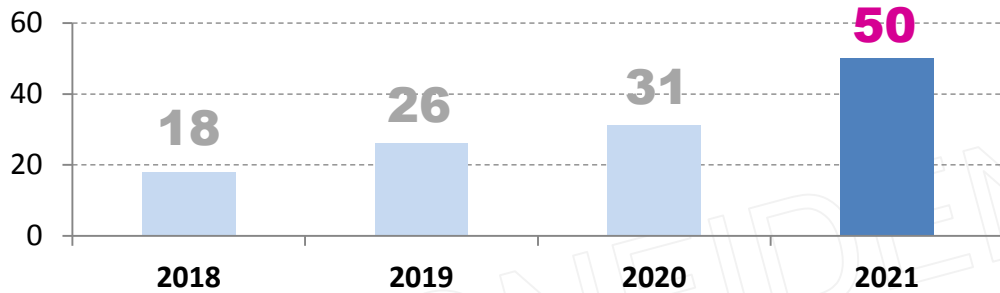
Semiconductor Technology Evolution



Semiconductor Technology Evolution



ASML EUV Scanner Shipment



Samsung Hwaseong

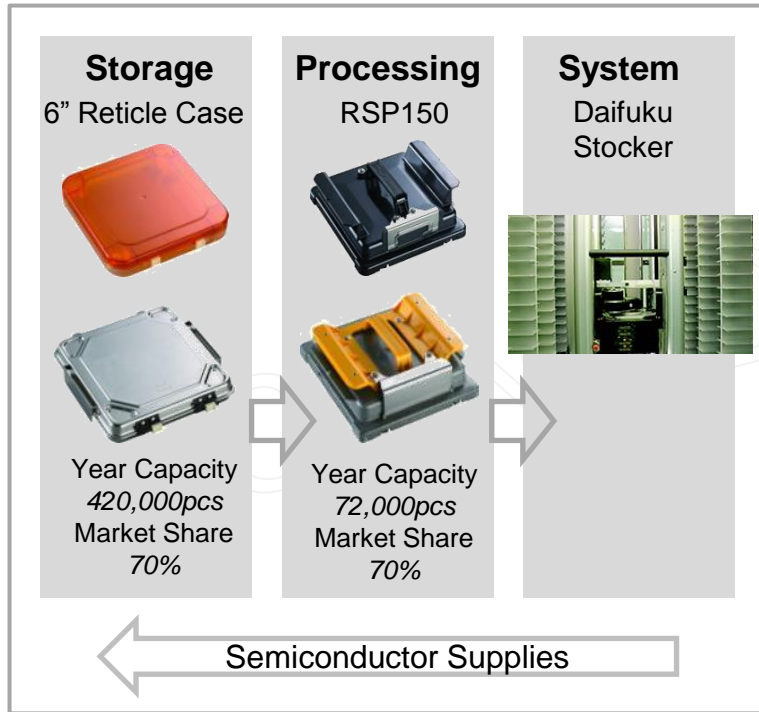


TSMC P18

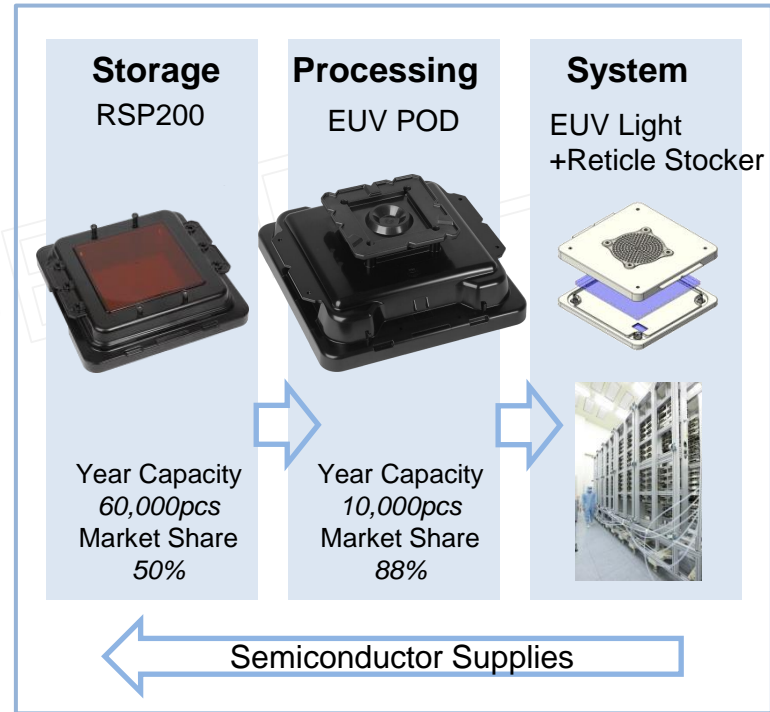
Gudeng Strategy Map



Immersion



EUV EUV Total Solutions



Products

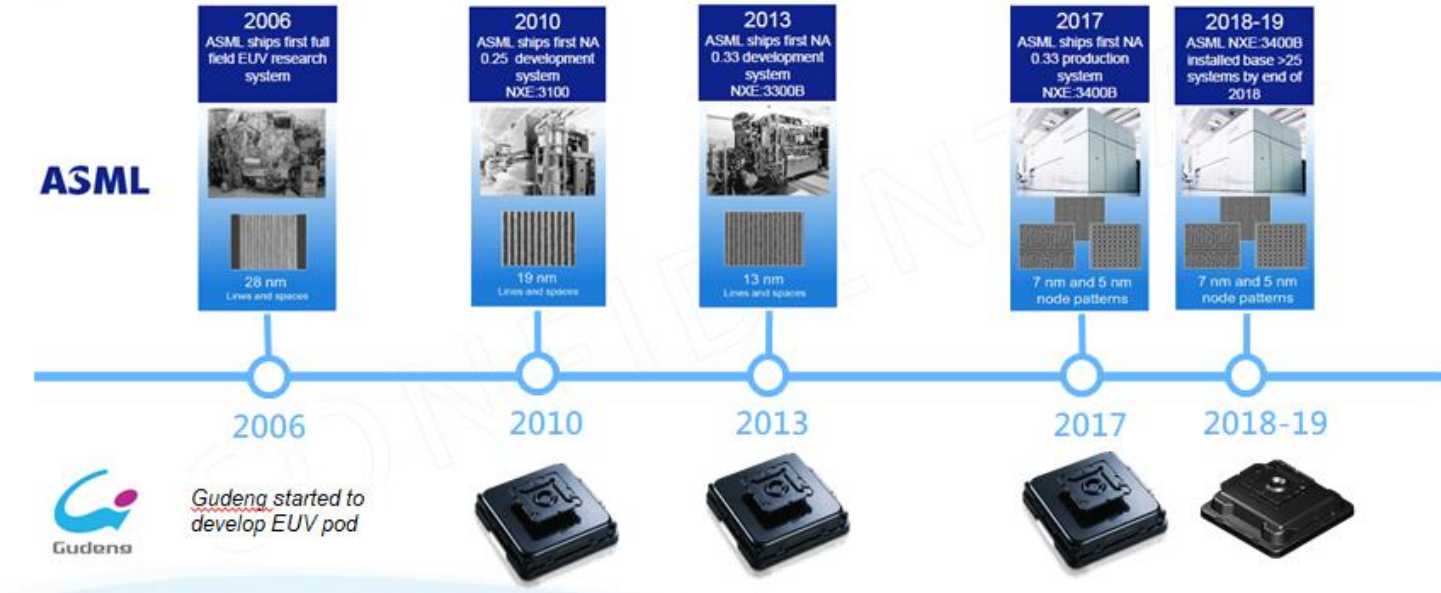


Mask Handling Solutions

- ▶ EUV POD
- ▶ Reticle Cases
- ▶ Reticle SMIF Pods



Gudeng EUV Pod History



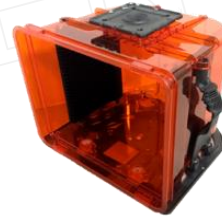
Our EUV journey so far.... > 10 years to develop EUV technology with our customers.

Products

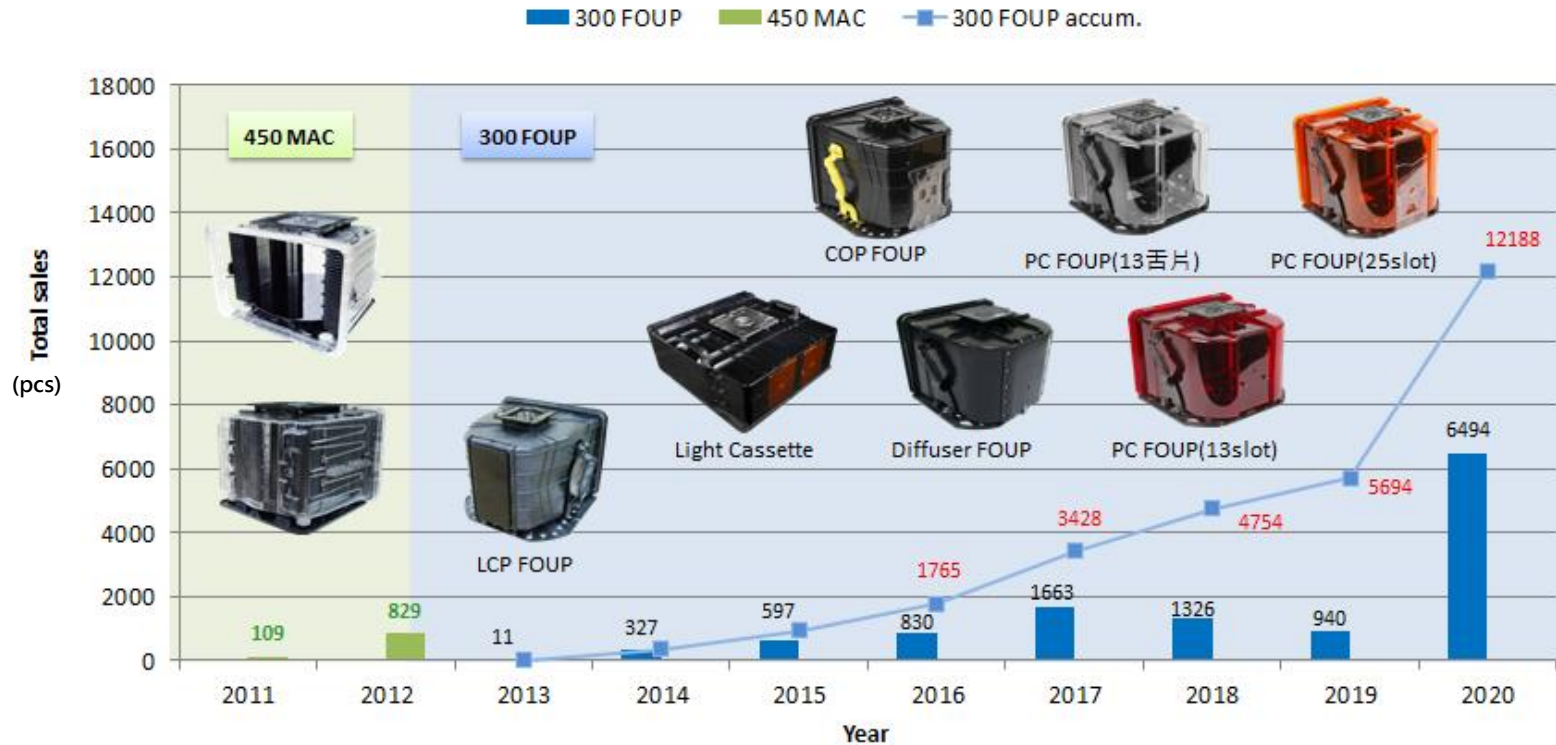


Wafer Handling Solutions

- ▶ 450mm FOUP
- ▶ 50mm MAC)
- ▶ 300mm FOUP



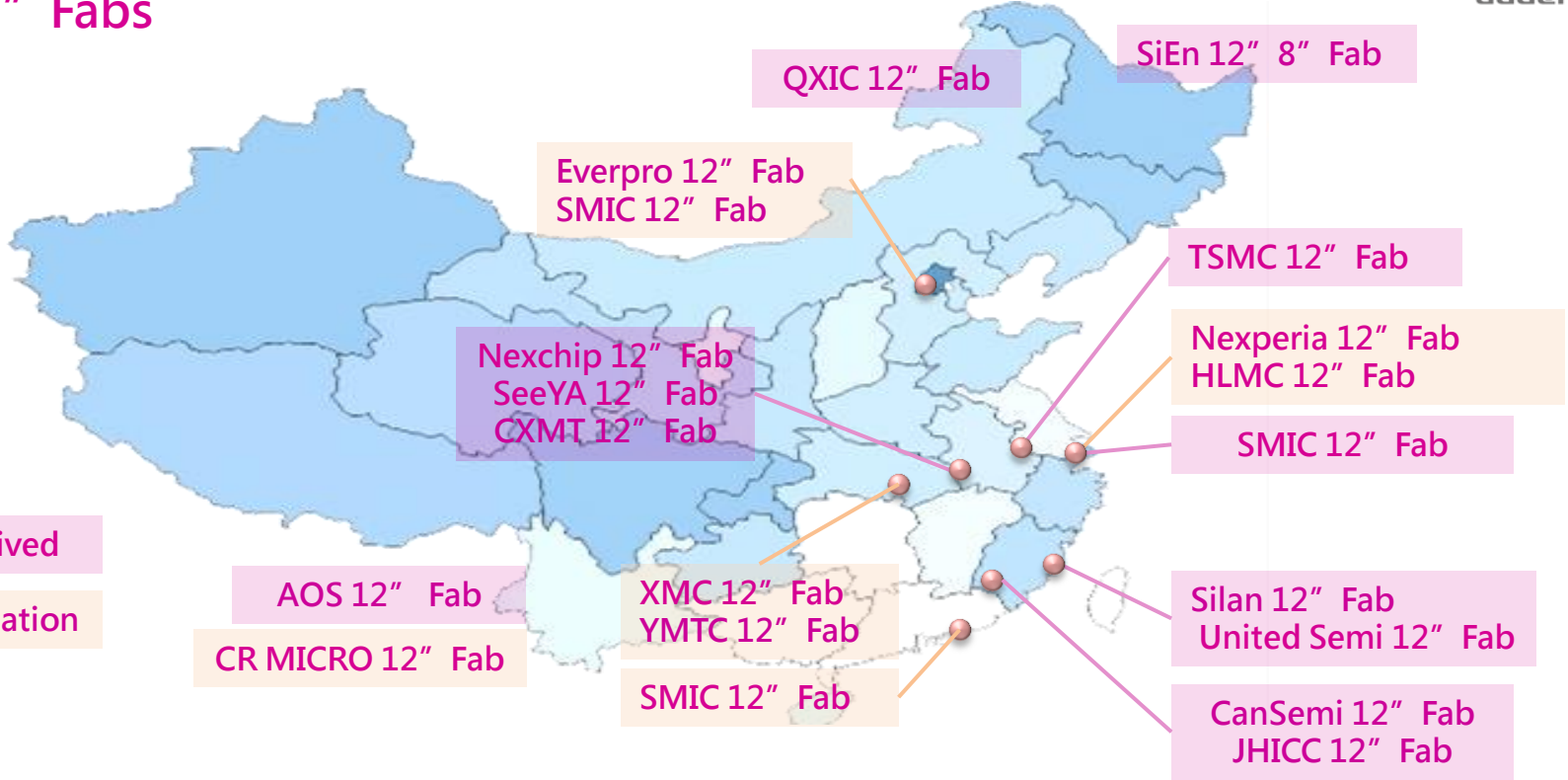
Gudeng FOUP History



China Market Opportunities



12" Fabs



PO received

In certification

China Market Opportunities



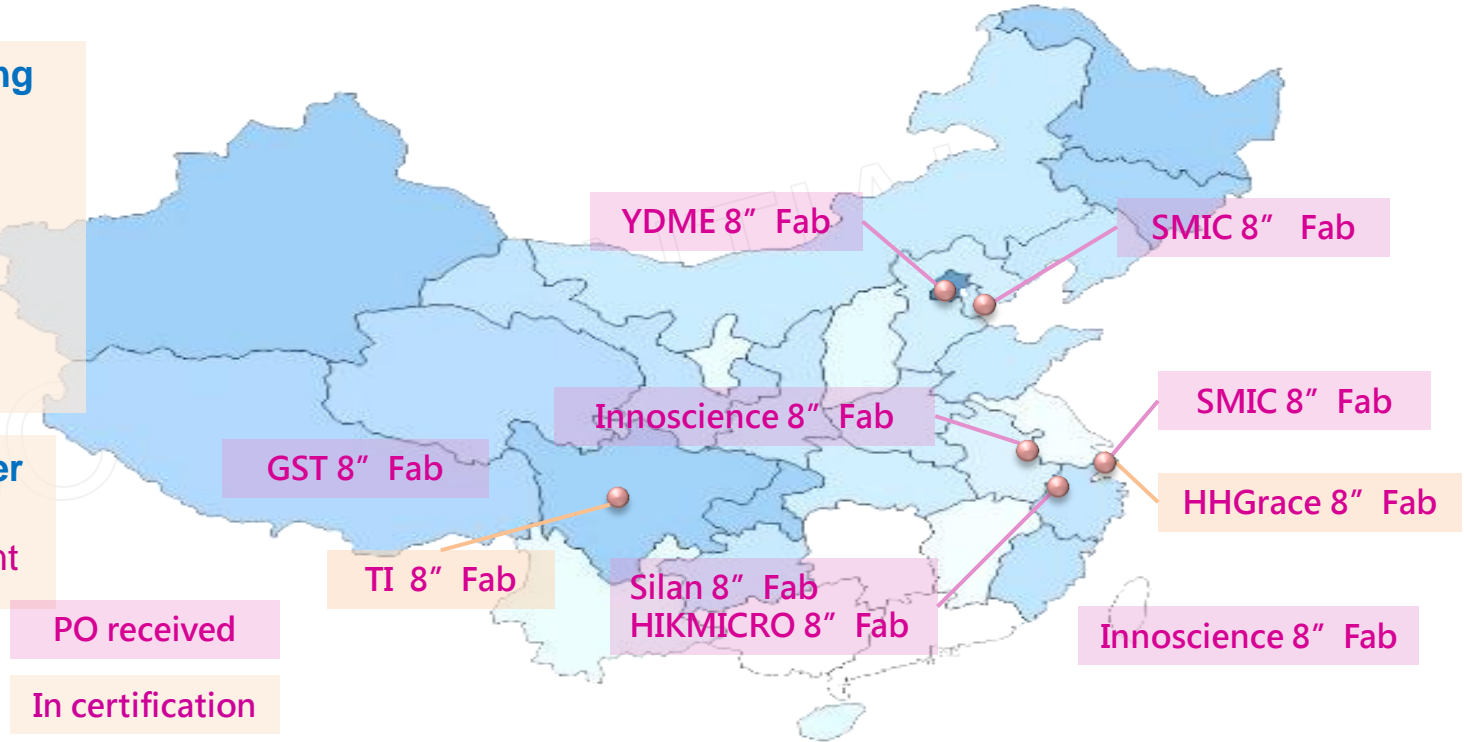
8" Fabs

■ Packaging & Testing

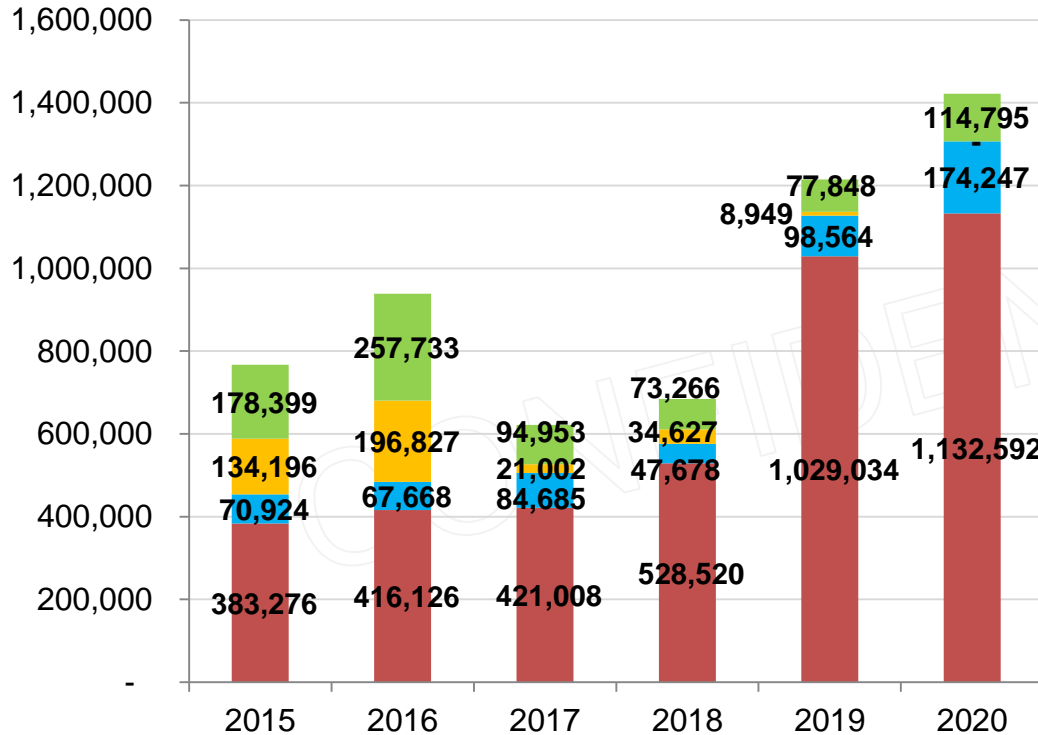
- JCET
- JSX
- Jiangsu Silicon
- HUA TIAN
- TFME

■ Equipment Supplier

- Mask Aligner
- Etching Equipment



Business Overview-Product



Mask Carriers : Cultivating the existing market, keeping up with the expansion of EUV Pod.

Wafer Carriers : Develop new markets, enter the 12-inch wafer market with 12-inch FOUP.

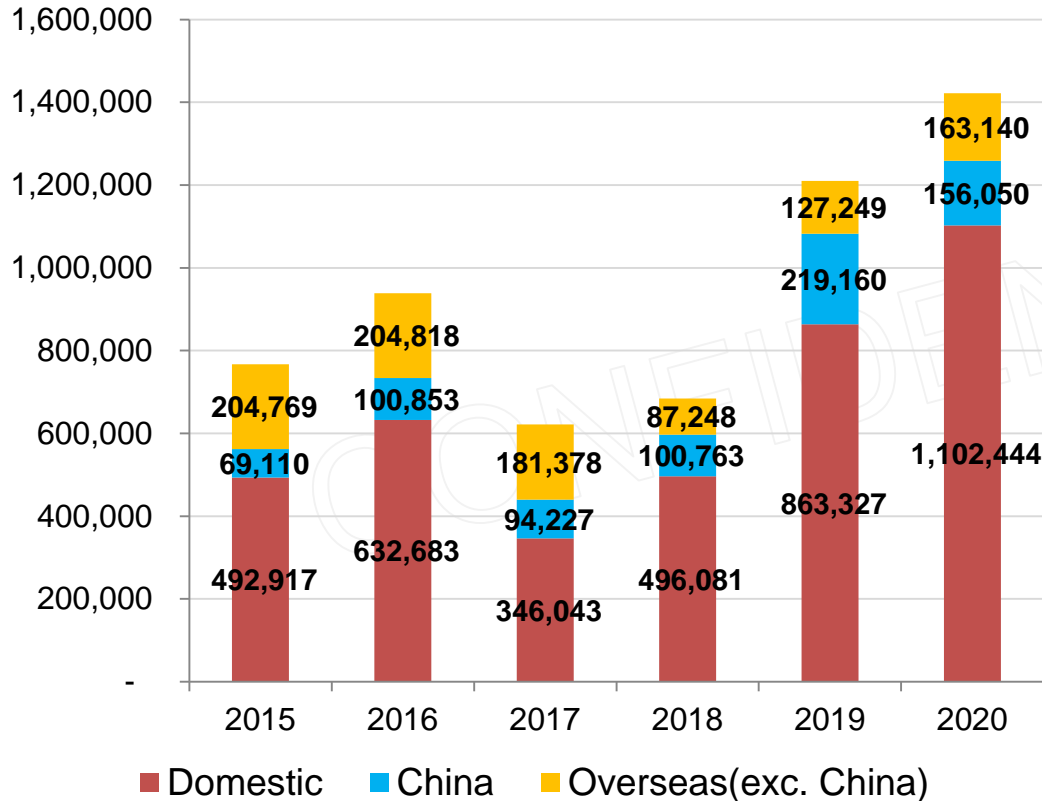
Others : Join hands with strategic partners to enter the consumable markets such as filter /O-ring.

2016, Gudeng Equipment established.

2021, aerospace revenue is expected to grow.

■ Mask Carriers ■ Wafer Carriers ■ Equipment ■ Others Unit : NTD Thousand dollars

Business Overview-Product



Domestic : With customer partnerships, we are optimistic to expand our leading edge, and cultivate the market with one-stop services and excellent product quality.

Overseas : In addition to the three leading semiconductor manufacturers, more and more customers are evaluating the use of EUV technology, and the overseas market share of Gudeng reticle carriers has gradually increased.

China : Entering the rapid growth period of semiconductor industry, the huge increase in capital expenditure will drive the demand for wafer transfer and equipment. The 8-inch and 12-inch markets play the leading roles.

Unit : NTD Thousand dollars

Strategy & Action



□ Targeting High-Revenue Market

- Advanced Carriers Market
- New Semiconductor Supplies Market
- Critical Aerospace Components

□ Lean Production, Intelligent Manufacturing

- Refining Production system, Enhance Intelligent Manufacturing

Mask Handling

- EUV POD continues to expand overseas.
- Series of RSP focuses on China market.

Wafer Handling

- 12-inch/8-inch carrier footprints expand to domestic and China market.

Aerospace Components

- Production line completed and capacity increased.
- Obtain customer long-term orders and increase the revenue.



Thank You
www.gudeng.com