



SNR

鑫禾科技股份有限公司

Sinher Technology Inc.

(Company Code:4999)

Status Report and Future Prospect

2022/11/17



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Index

- 1. Company overview**
- 2. Product and market overview**
- 3. Business philosophy and performance**
- 4. Competitiveness, strategy and future prospects**



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1. Company overview



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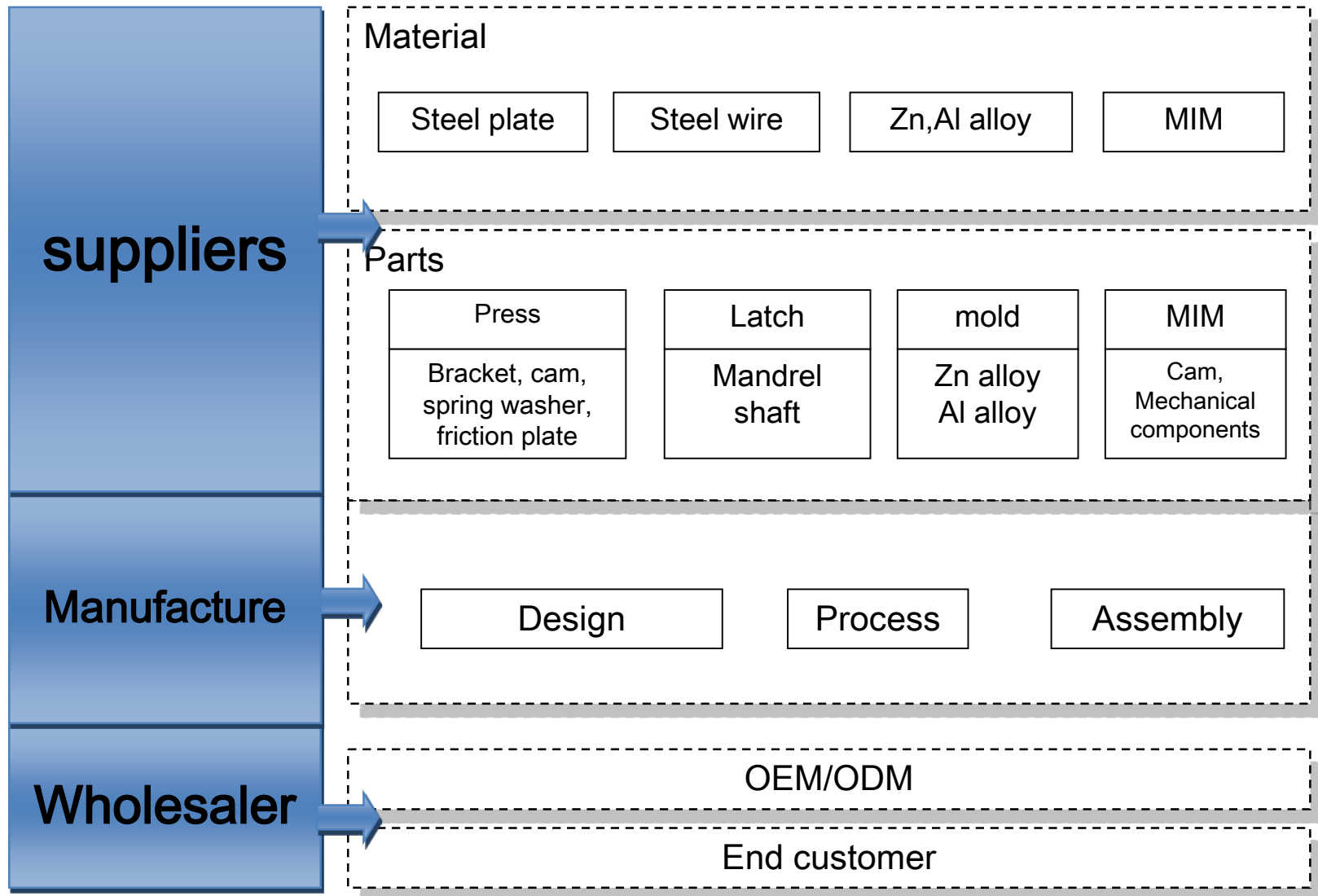
Company overview

- **Established: Jan/2002**
- **Capital: NTD 740 millions**
- **Location: Taiwan, Kunshan, Chongqing**
- **Business: Hinge development, manufacture and marketing on key component**
- **Cooperate employee: total of 1,613 with 329 in head quarter (up to Oct/2022)**



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Manufacture process





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Company history

2002 Company established

2008 Kunshan Wanhe established and introduce stamping production line

2009 Sinher introduce multi-axis CNC lathe machine

2011 Kunshan Wanhe introduce Zn alloy die cast production and Sinher Chongqing established

2012 Sinher introduce CNC integrated processing machine production line

2014 Acquire Xizhi plant to expand and intergrade multi-axis CNC lathe machine production base

2016 Acquire Keelung plant and introduce MIM production line



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Production base

SNR(Taipei)

- Plant: 9,600 m²
- Production: Stamping, MIM, Multi-axis CNC lathe machine, CNC processing machine, assembly

Wanhe(Kunshan)

Plant: 21,000 m²

Production:
stamping, die cast,
assembly

SNR(Chongqing)

Plant: 40,400 m²

Production:
assembly



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2.Products and market Overview



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Product



Notebook Hinge

- Auto lock
- Warp
- Variable torque
- One hand open
- MIM warp
- Press-in



Convertible and Detachable

- Foldable
- 360
- Slider
- ducking
- link bar
- Track



All In One Hinge

- Fixed
- Multi-axis
- Frame
- Slider



3C Hinge & Others

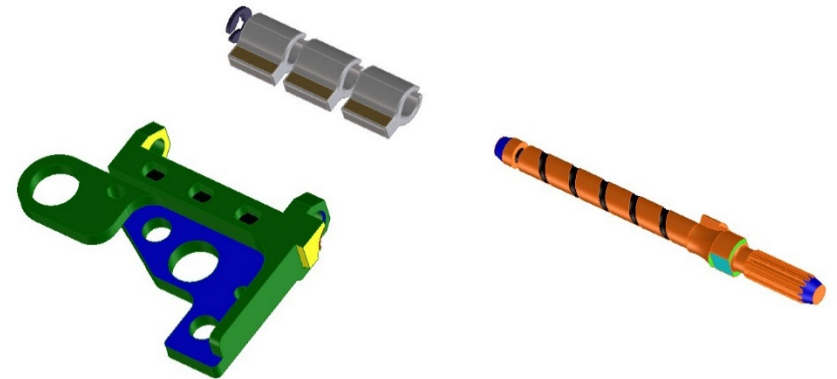
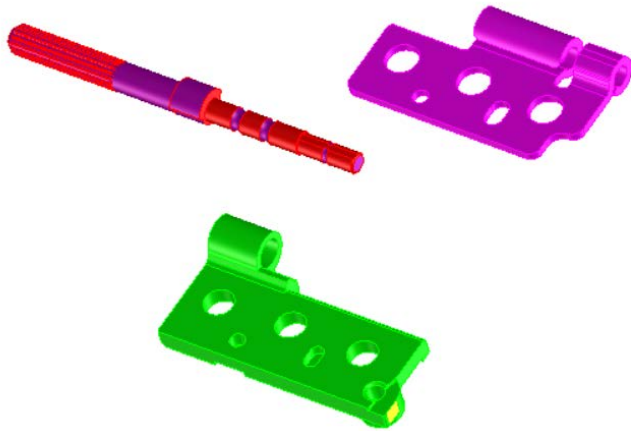
- Cashier
- Projector
- Car use
- AR/VR glass
- MIM product
- Touch pad
- Medical components



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NB Hinge

Press-In Hinge
Warp type with MIM structure

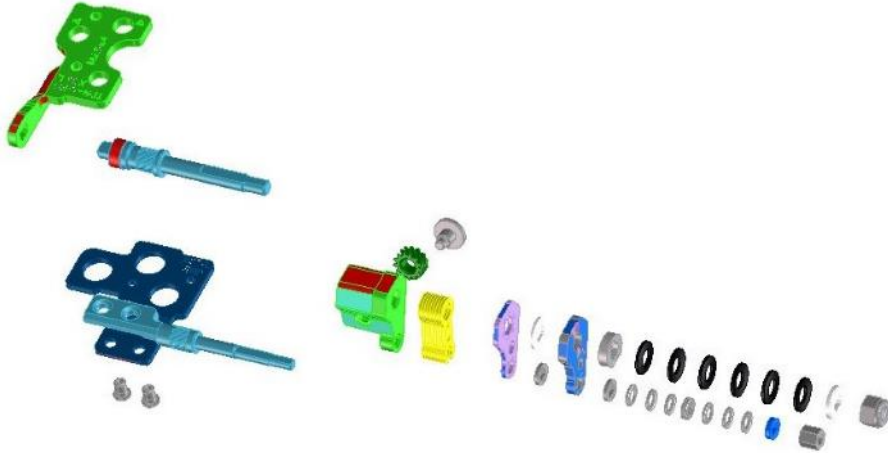




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NB Hinge

360° Hinge

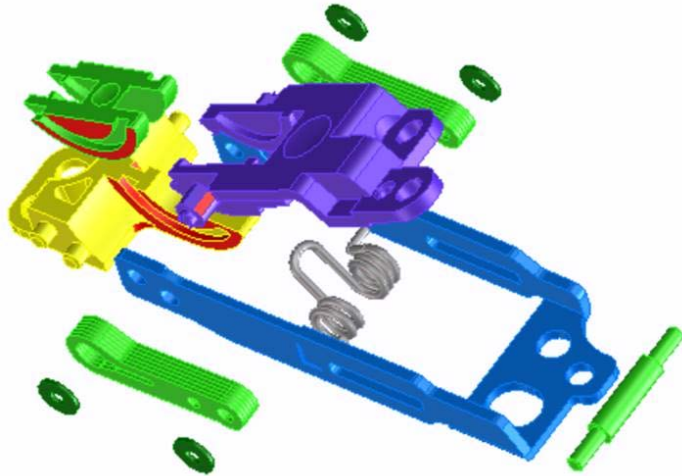




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Slider pad Hinge

PAD Hinge

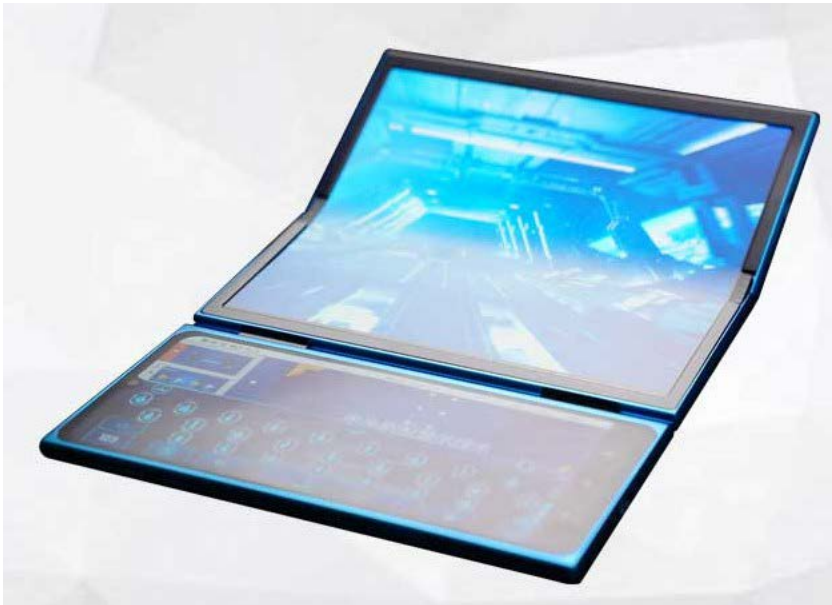




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Foldable Hinge

Foldable Hinge



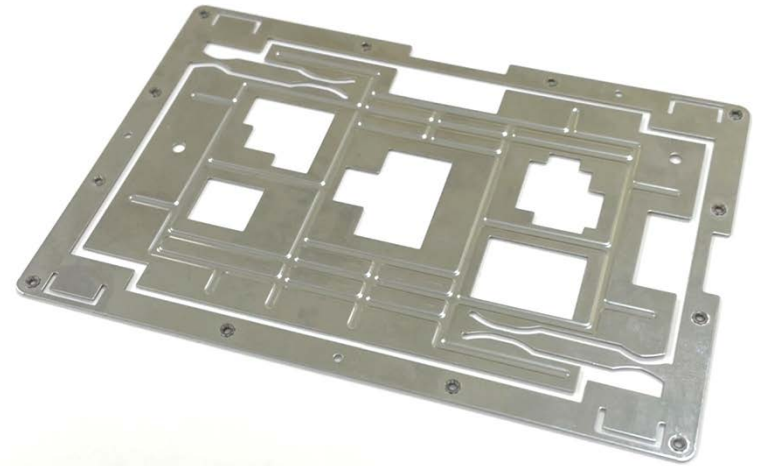
- Objective: Provide reliable hinge solution for OLED panel
- Progress: Mass production in early 2023



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Other Products

Touch Pad Module



- Objective: Metal stamping structure of notebook touch pad module
- Progress: Mass production



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Other Products

Medical components turning/MIM



- Objective: Turning/MIM parts for medical equipment
- Progress: Mass production. Products are being added gradually



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Automation – automatic assembly



axis



add plate



add other
components



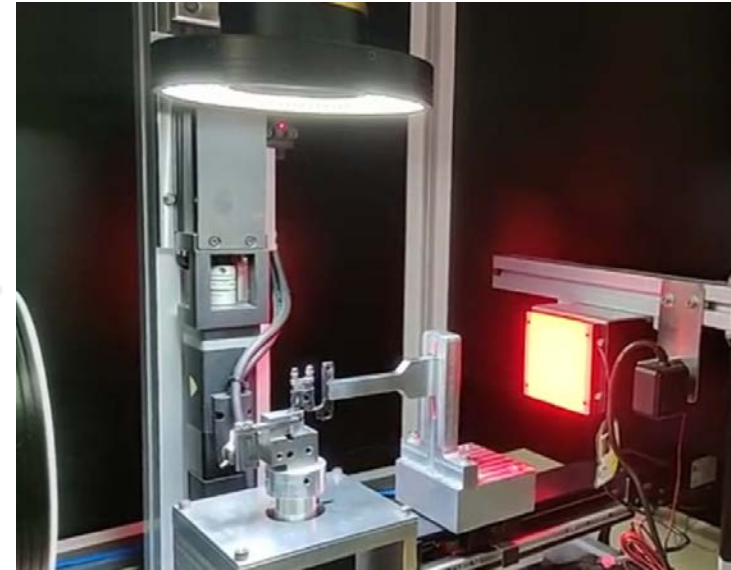
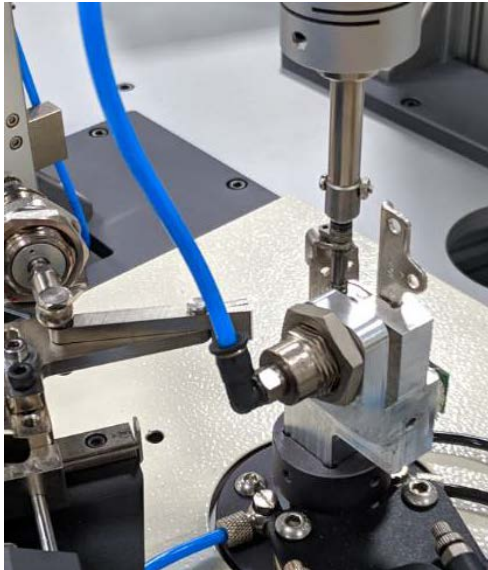
lock screw

- Objective: Automated assembly and import to reduce human error, improve efficiency and achieve energy saving and carbon reduction benefits
- Progress: Mass production. Development and validation in progress



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Automation – post-processing adjustment and measurement



- Objective: Automatic torque adjustment and visual measurement are all stored in digital form, thereby reducing the loss caused by human misjudgment and the backtracking and tracking of relevant data
- Progress: Mass production

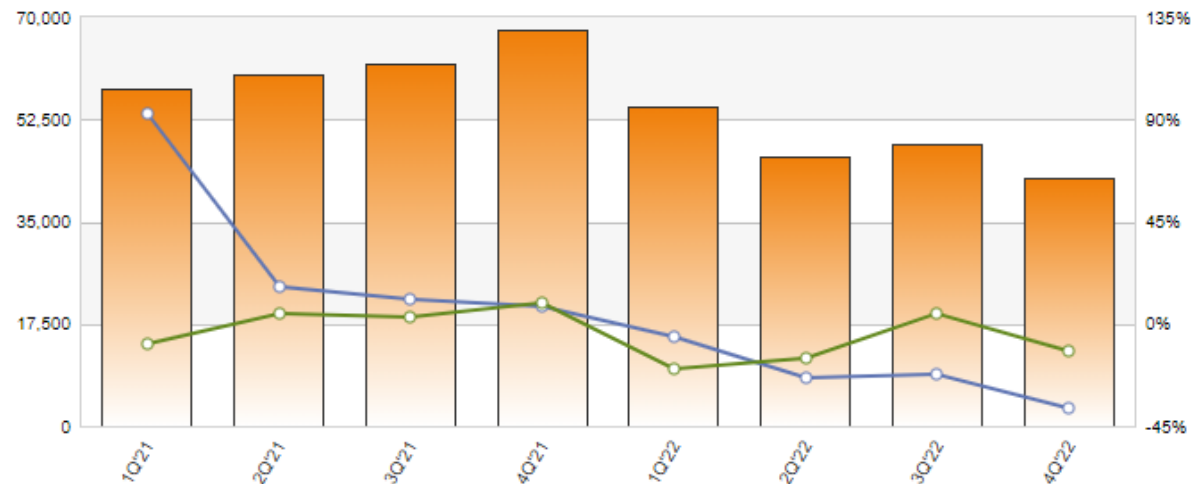


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NB market share

1Q'21~4Q'22 Global NB shipments

Unit : (k units)



	1Q'21	2Q'21	3Q'21	4Q'21	1Q'22	2Q'22	3Q'22	4Q'22
Worldwide	57,505	60,167	62,007	67,578	54,419	45,987	48,199	42,258
YoY	92.5	16	10.5	7.3	-5.4	-23.6	-22.3	-37.5
QoQ	-8.7	4.6	3.1	9	-19.5	-15.5	4.8	-12.3

1. DIGITIMES Research considers detachable devices as tablets and are not included in NB shipments.

2. Figures are updated at the end of January, April, July and October.

Last updated : 2022/10/05



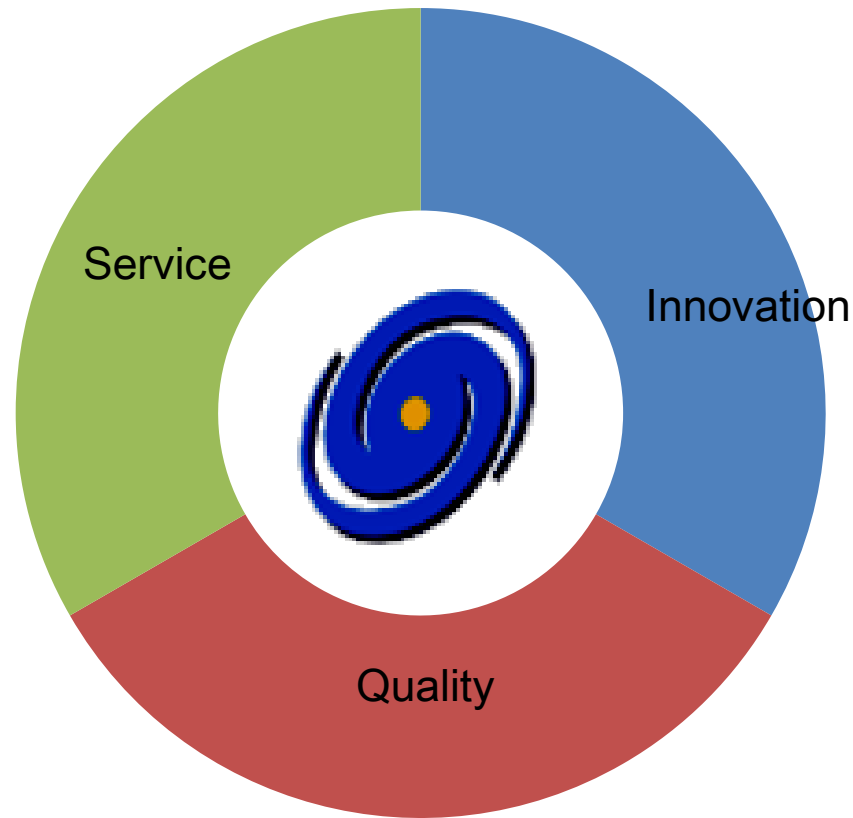
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3. Business philosophy and performance



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Business philosophy



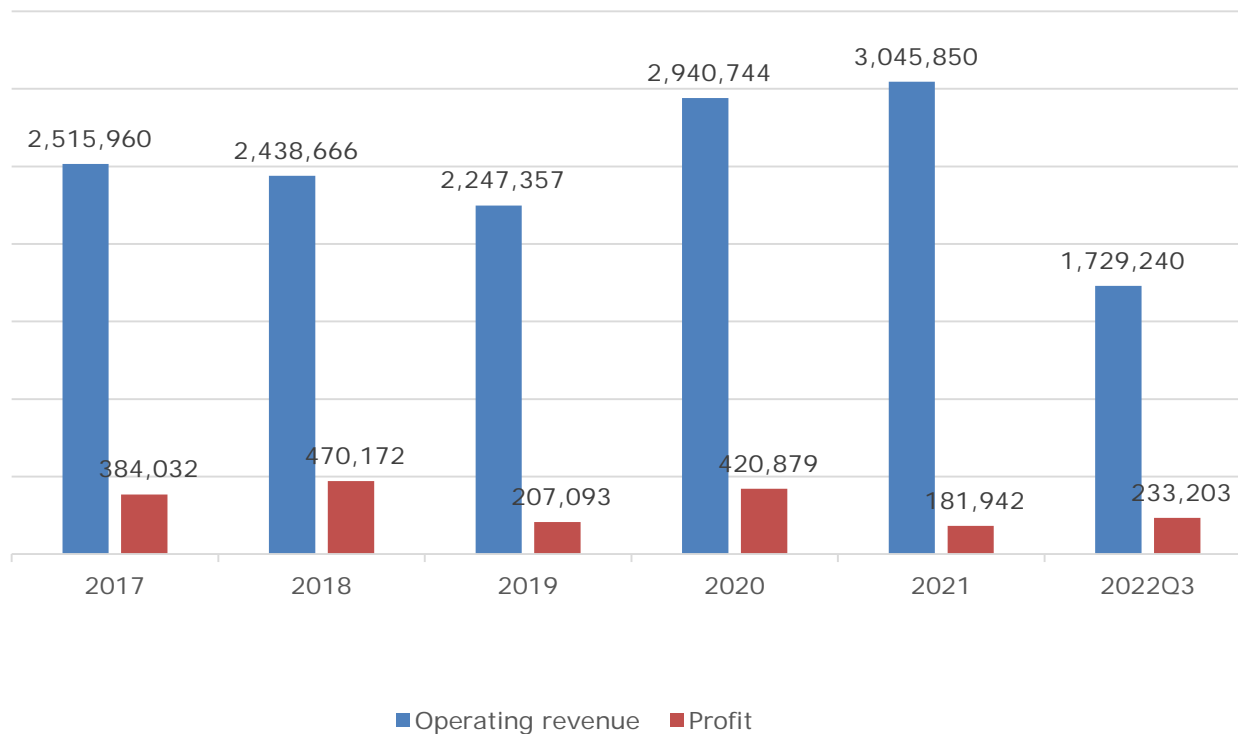


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Performance

Operating revenue and Profit

Unit:NT\$ thousands



Source: Financial reports audited (reviewed quarterly) by CPA for each year

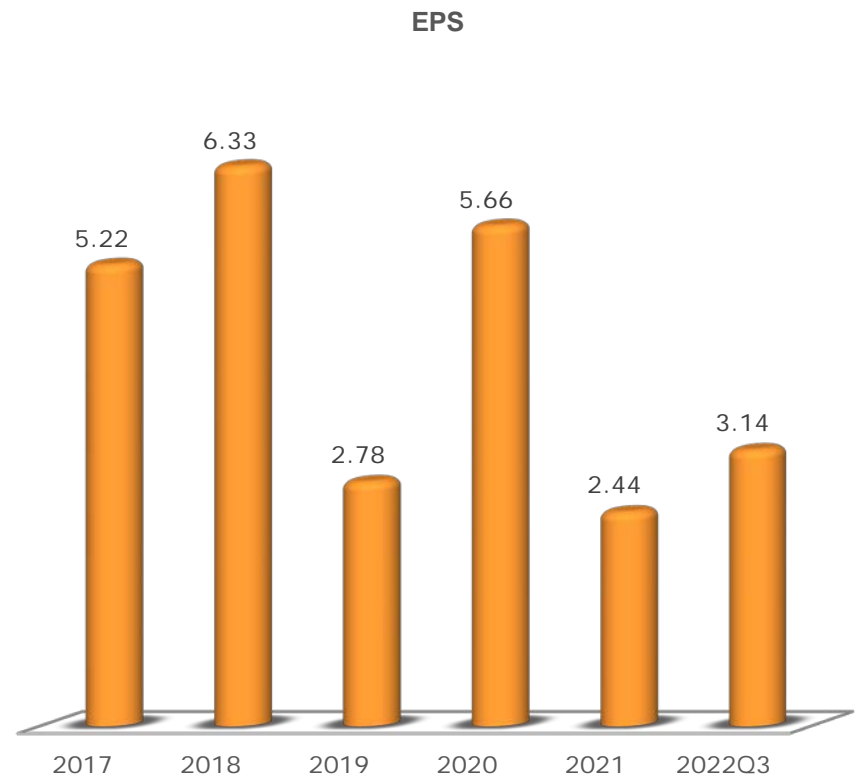
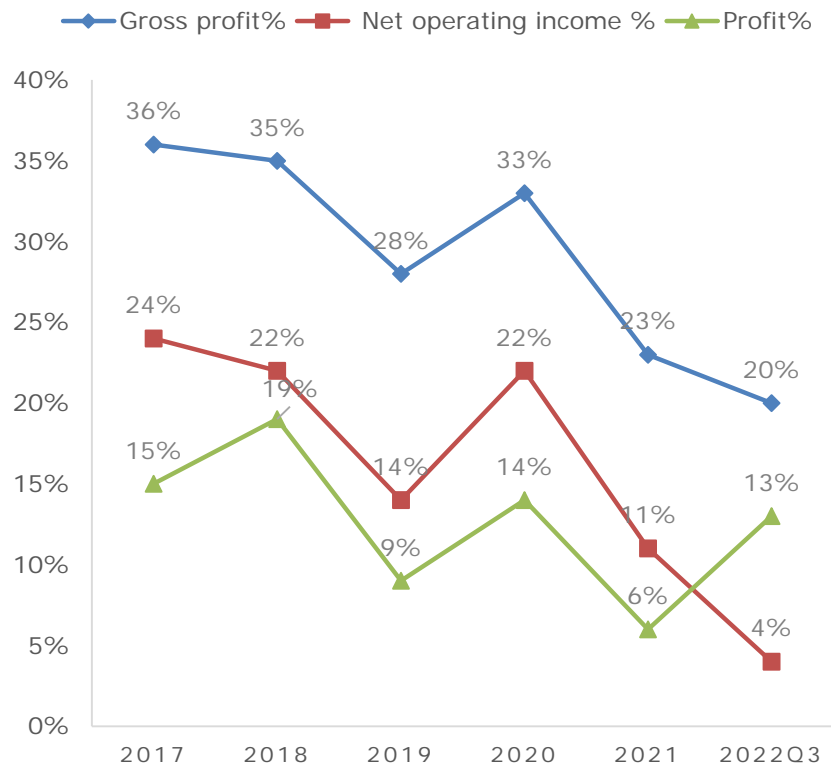


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Performance

Gross profit% , Net operating
Income % and Profit%

Earnings per share



Source: Financial reports audited (reviewed quarterly) by CPA
for each year



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4. Competitiveness, strategy and future prospects



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Competitiveness

1. Professional R&D team with innovative and practical experience

2. Multiple key technology IP

3. Complete vertical integration with effective cost benefit

4. In house mold design capabilities and research and development abilities



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R&D performance- IP

Up to Oct/2022, total IP as following

Country Type	Utility	Invention	Design	Total
Taiwan	90	10	1	101
USA		14		14
China	62	23	1	86
Total	152	47	2	201



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Future prospect

- 1. Develop hinge parts with MIM process; End goal is to approach MIM product with complex structure and challenging to form on non hinge product**
- 2. Based on hinge and develop modular IT product**
- 3. Engage with automatic production**
- 4. Enhance production and R&D coordination, utilise material usage in order to elevate product quality and value**
- 5. Continuous development on hinge product with other industrial market**



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THANK YOU

Q & A