



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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1. Company overview



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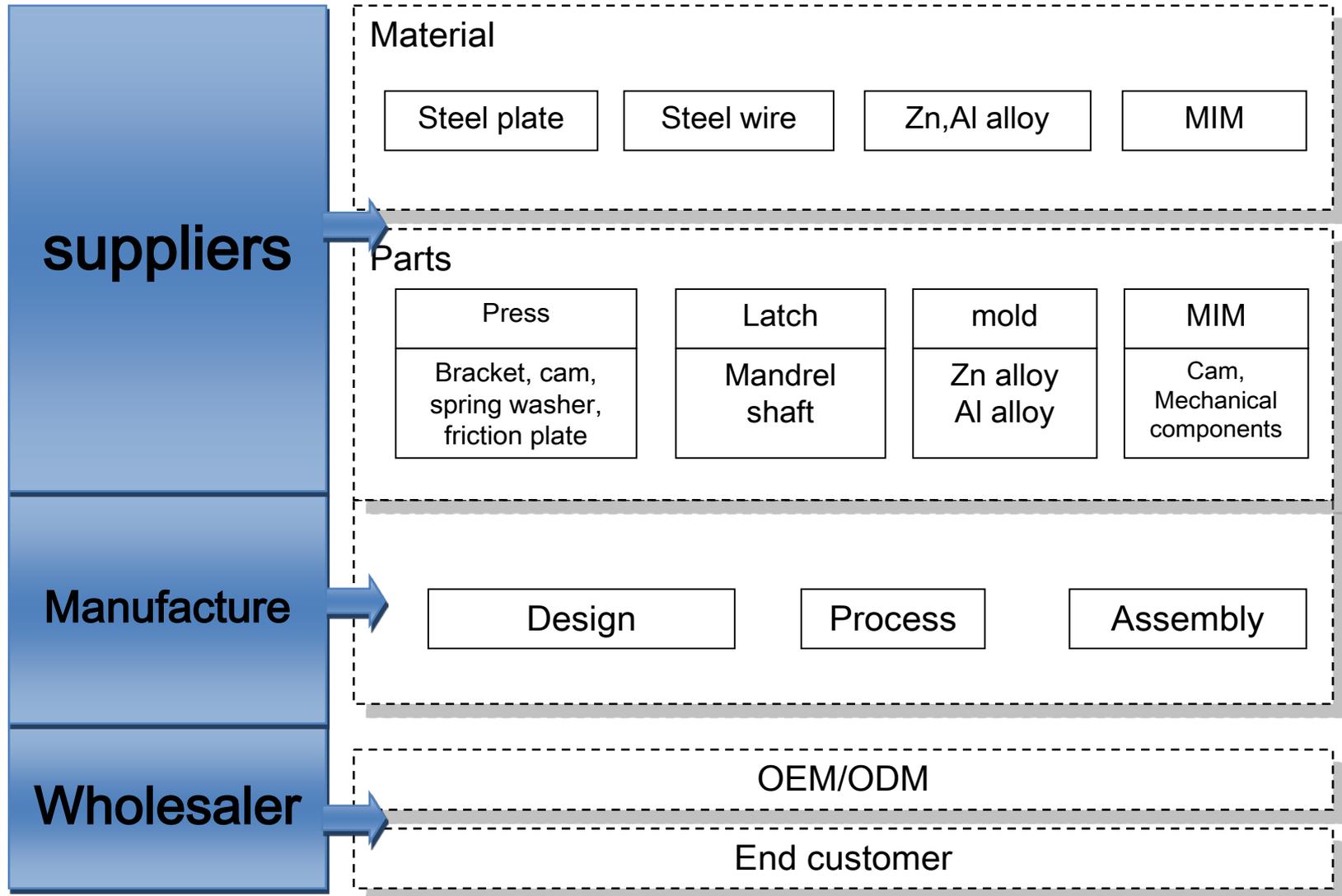
Company overview

- **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

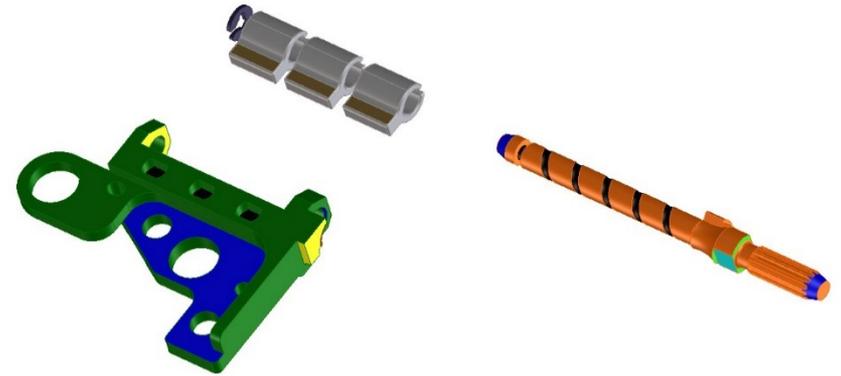
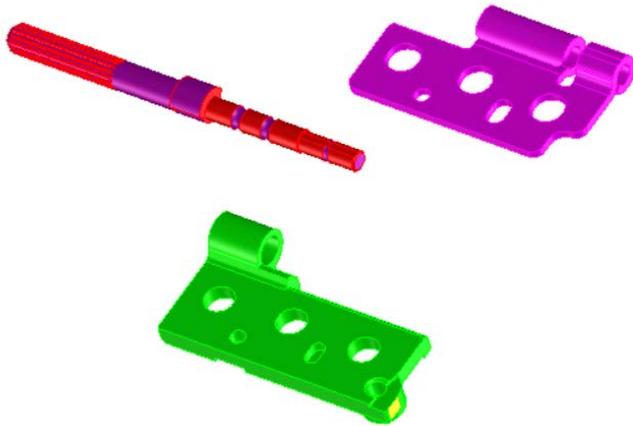
- Cashier
- Projector
- Car use
- AR/VR glass
- MIM product
- Touch pad
- Medical components



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NB Hinge

Press-In Hinge
Warp type with MIM structure

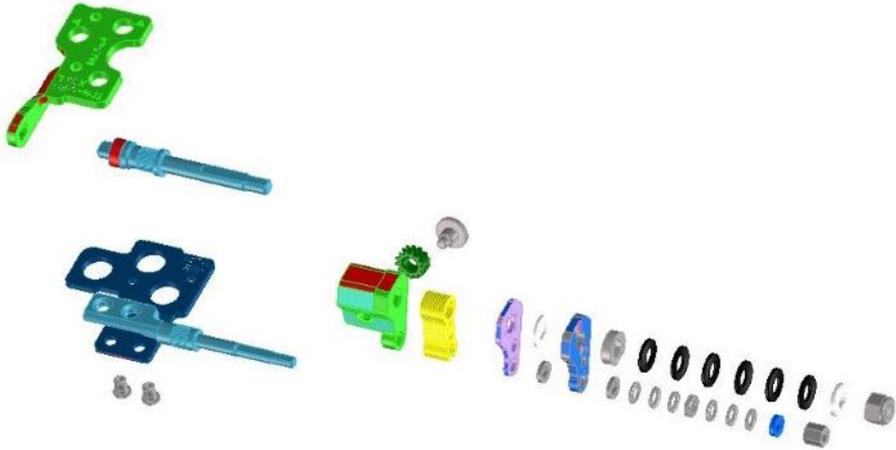




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NB Hinge

360° Hinge

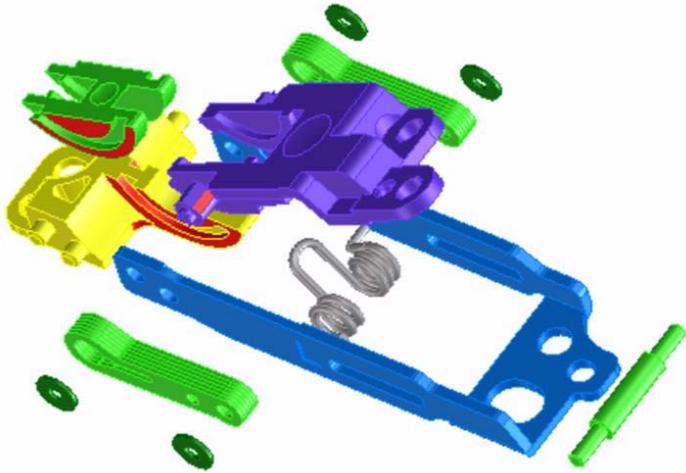




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PAD Hinge

Slider pad Hinge

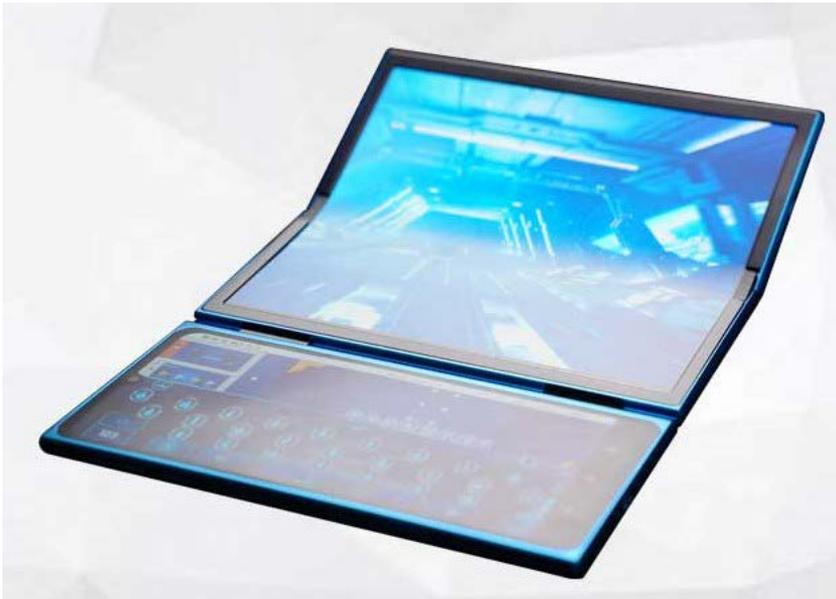




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Foldable Hinge

Foldable Hinge



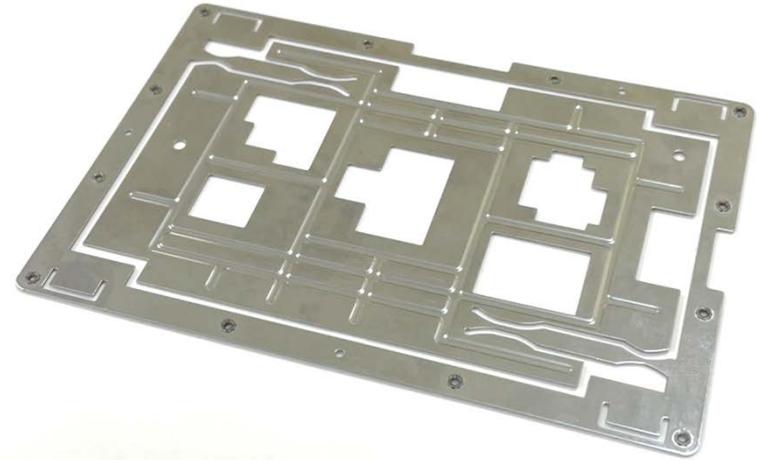
- Objective: Provide reliable hinge solution for OLED panel
- Progress: Mass production in early 2023



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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



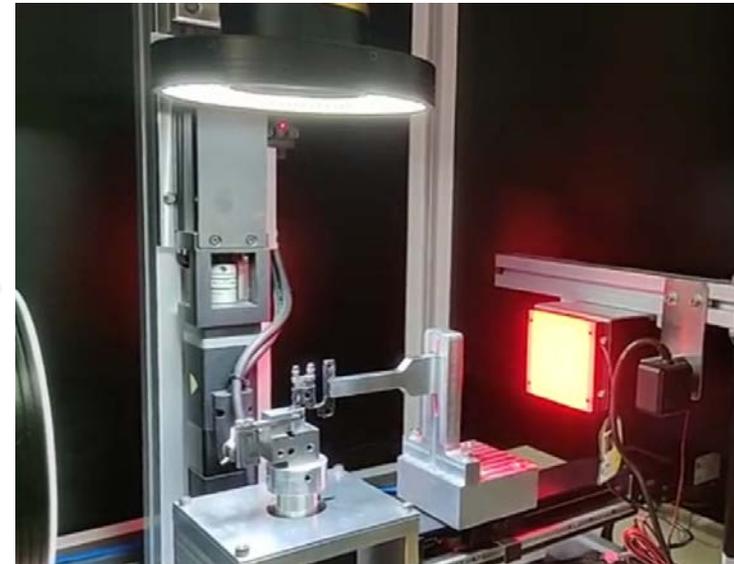
lock screw

- 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

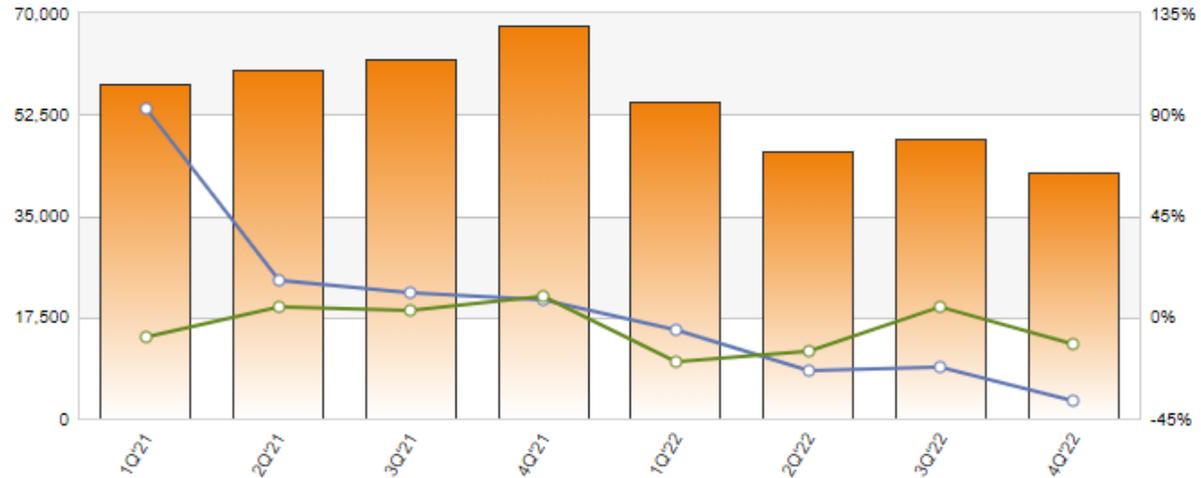


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NB market share

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



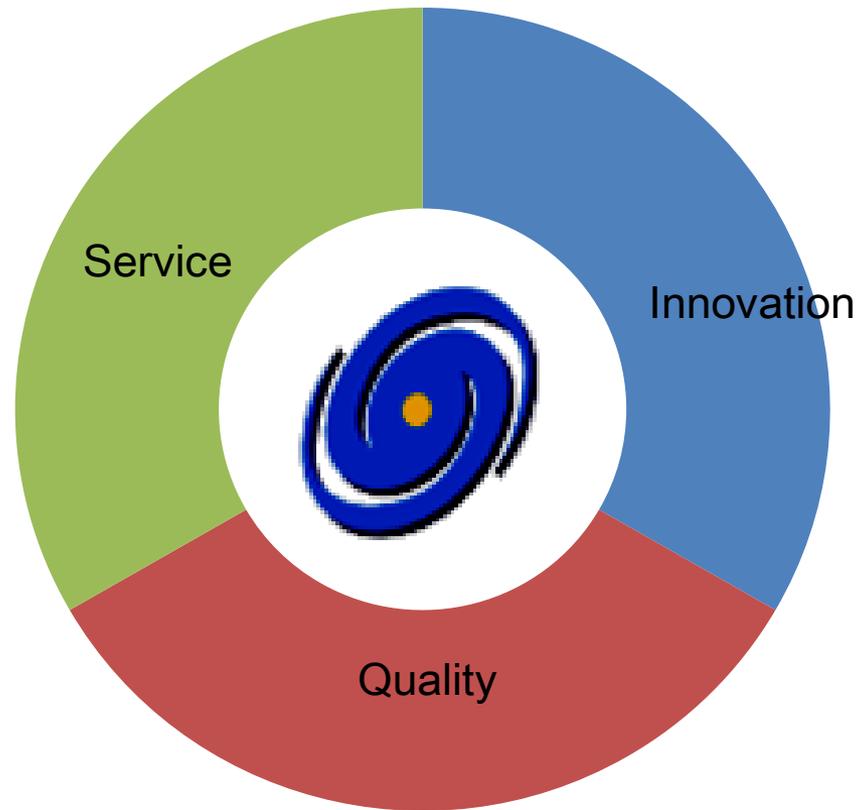
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3. Business philosophy and performance



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Business philosophy



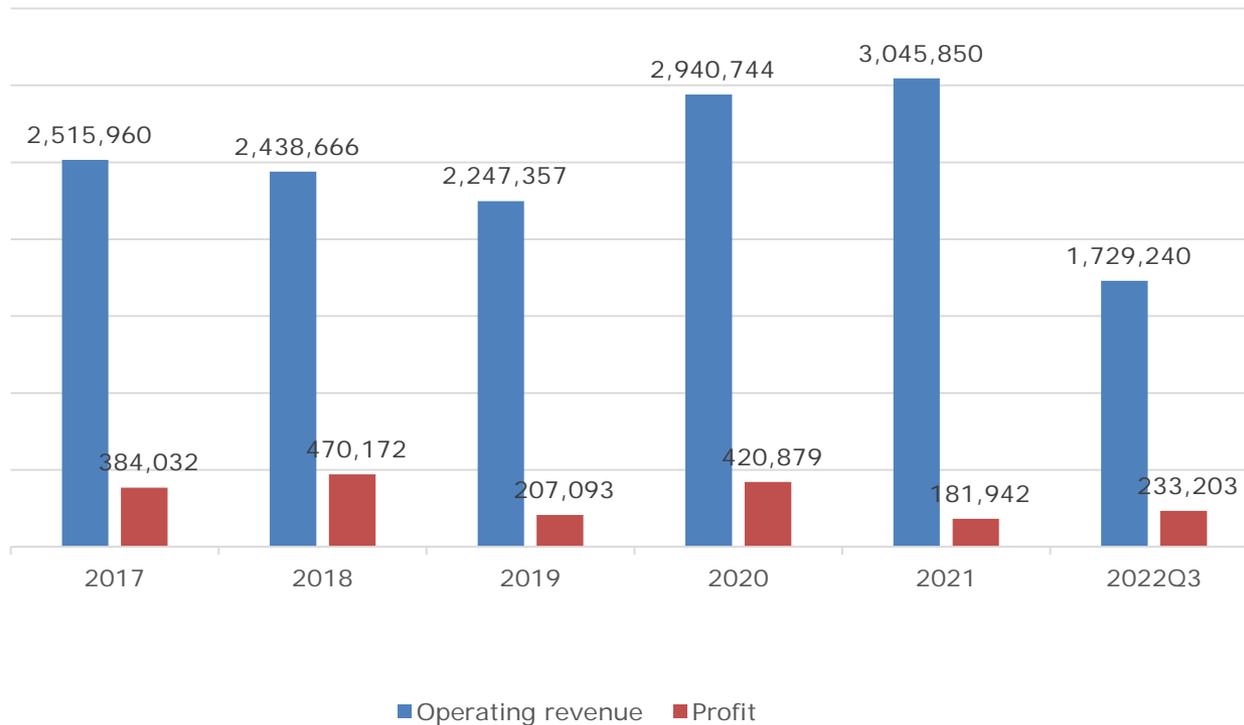


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Performance

Operating revenue and Profit

Unit:NT\$ thousands



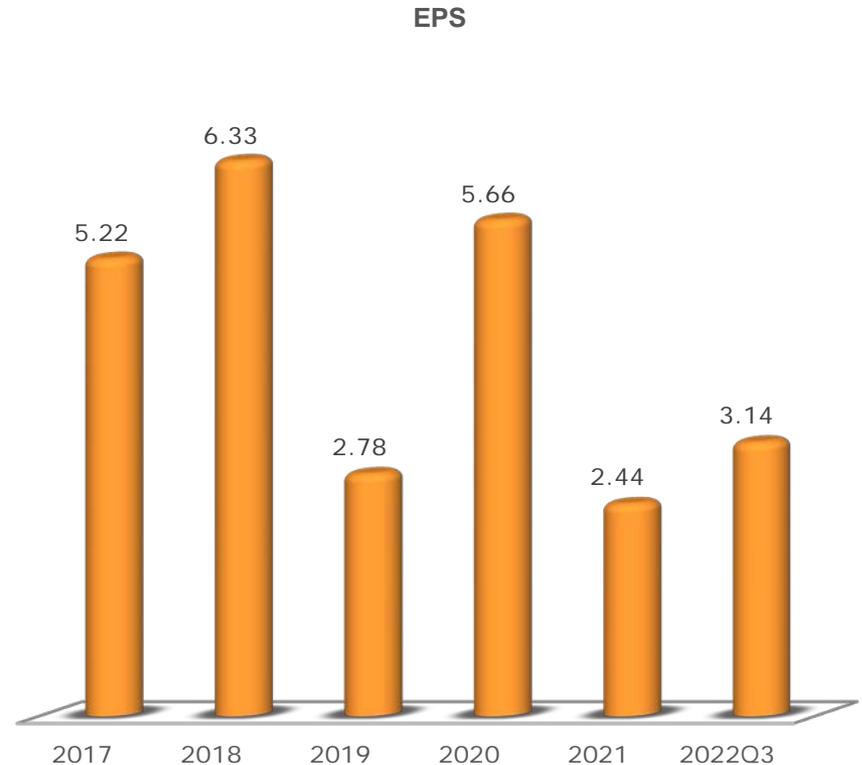
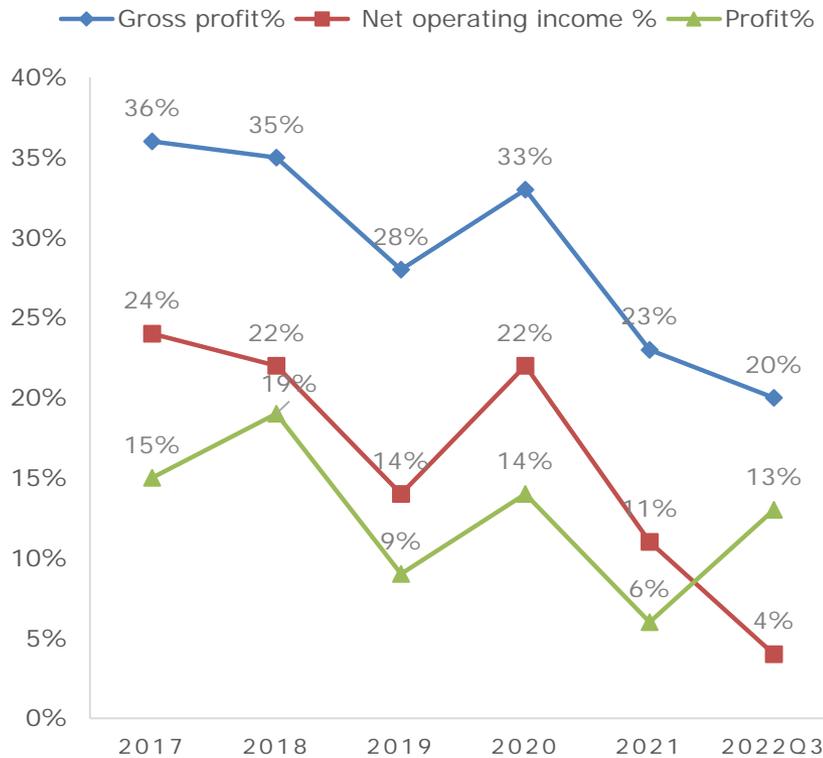
Source: Financial reports audited (reviewed quarterly) by CPA for each year



SNR 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