



鑫禾科技股份有限公司
Sinher Technology Inc.
(Company Code:4999)

Status Report and Future
Prospect

2021/11/18

The logo consists of a blue circular icon with a white spiral and a small orange dot in the center. To its right, the text "SNR Index" is displayed, with "SNR" in yellow and "Index" in blue. The yellow text has a reflection effect below it.

SNR Index

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



1. Company overview



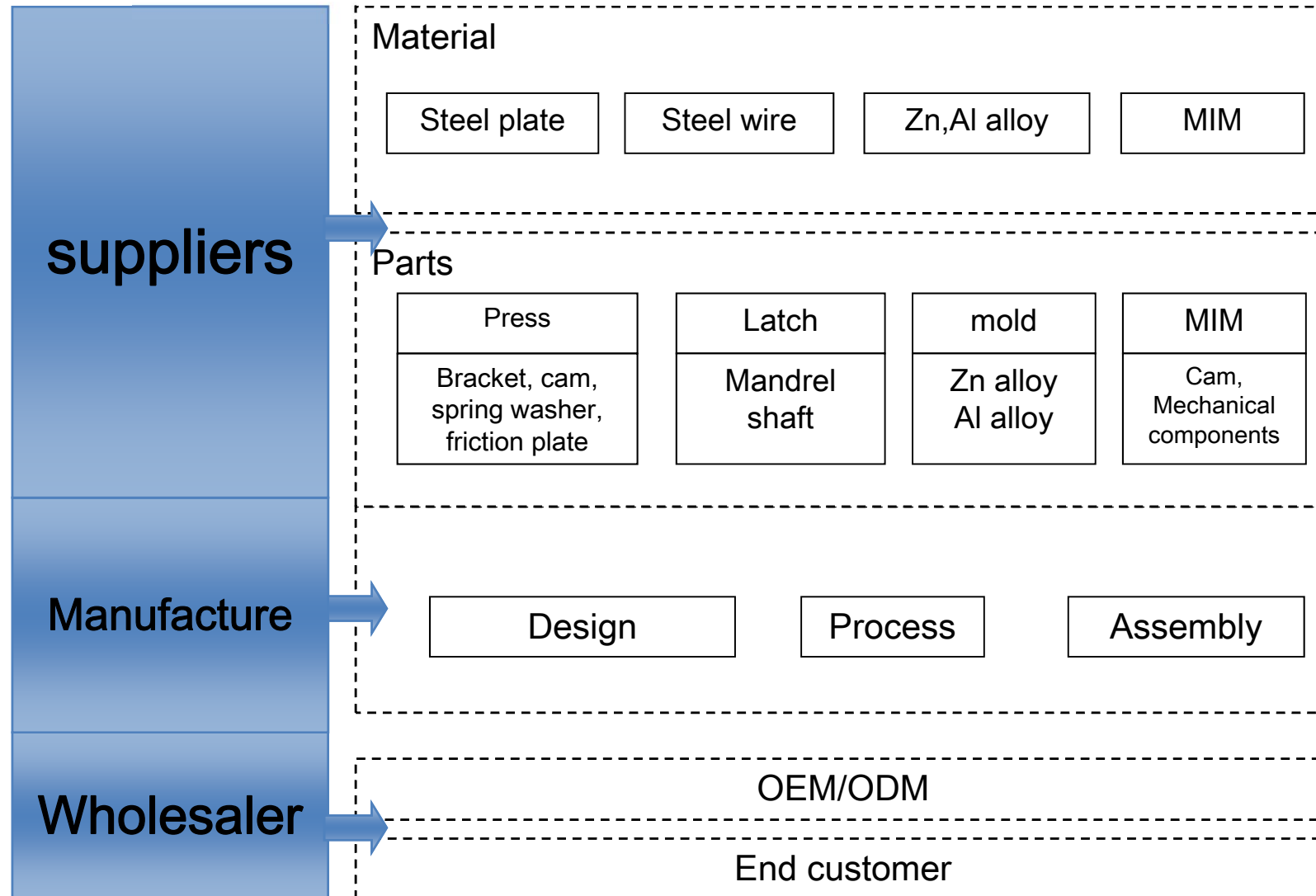
SNR Company overview

- Established: Jan/2002
- Capital: NTD 740 millions
- Location: Taiwan, Kunshan, Chongqing
- Business: Hinge development, manufacture and marketing on key component
- Cooperate employee: total of 1,989 with 340 in head quarter (up to Oct/2021)



SNR

Manufacture process





SNR

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 Chungqing 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



SNR

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



2. Products and market Overview



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

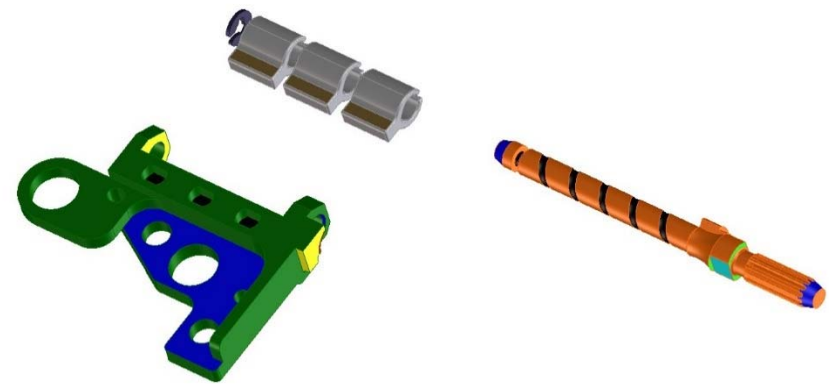
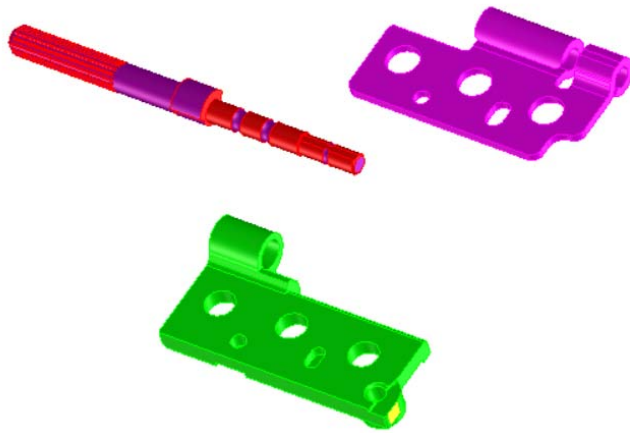
3C Hinge & Others

- Cashier
- Projector
- Car use
- AR/VR glass
- MIM product



NB Hinge

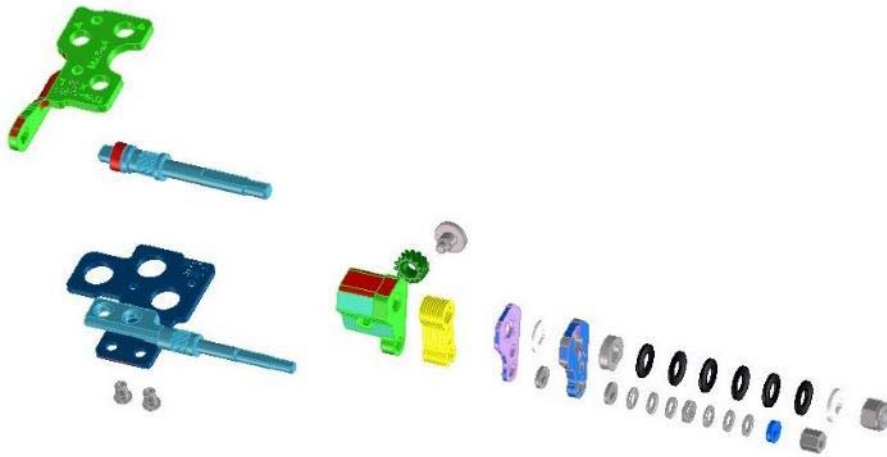
Press-In Hinge
Warp type with MIM structure





NB Hinge

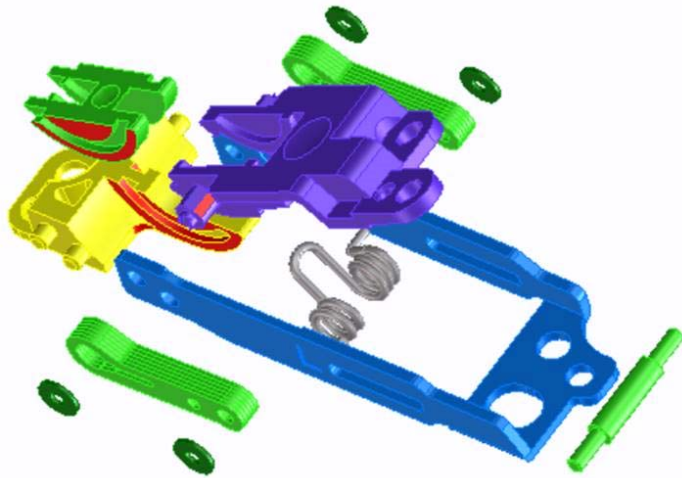
360° Hinge





PAD Hinge

Slider pad Hinge





MIM application



Hidden



Kickstand



Slider



360



Detachable

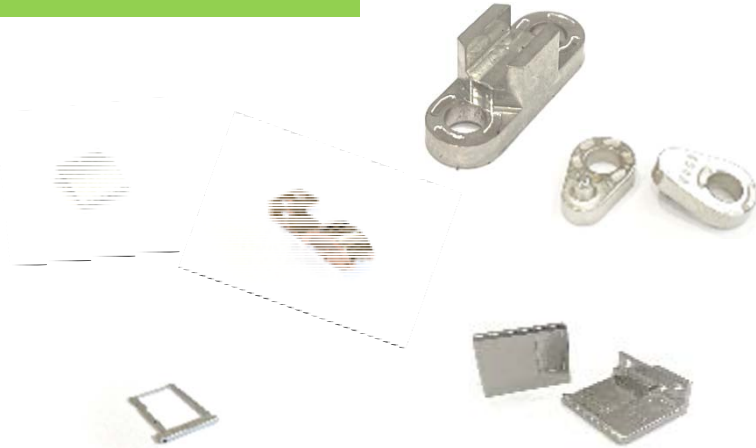


Warp

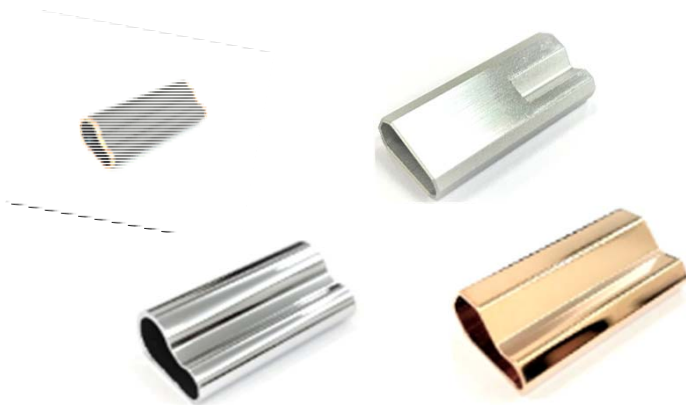


MIM /mandrel / CNC /casting product

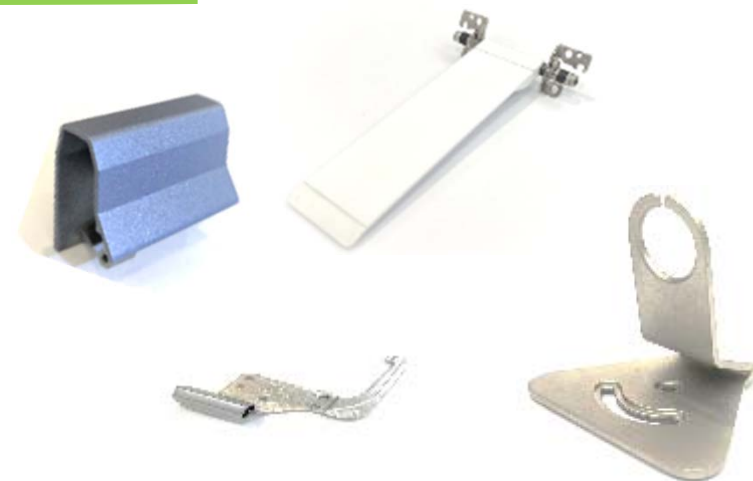
MIM



Mandrel



CNC

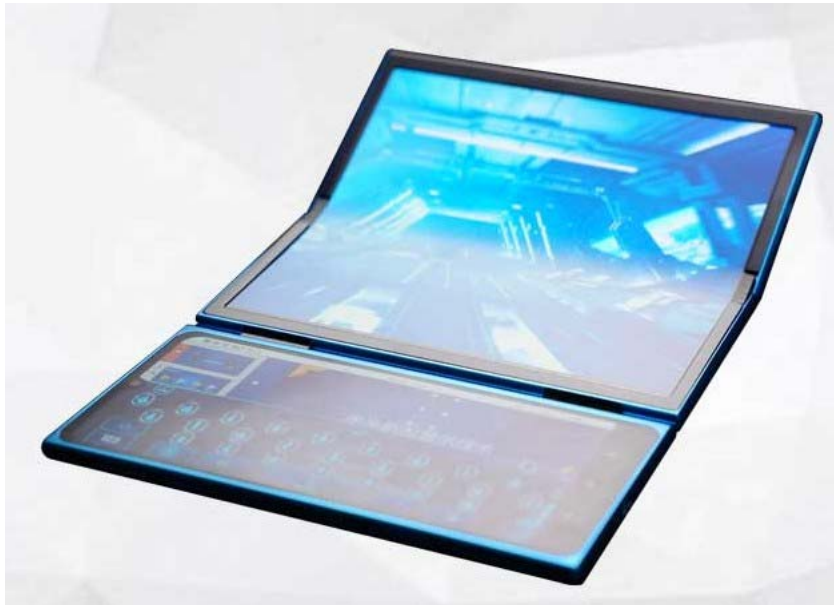


Casting



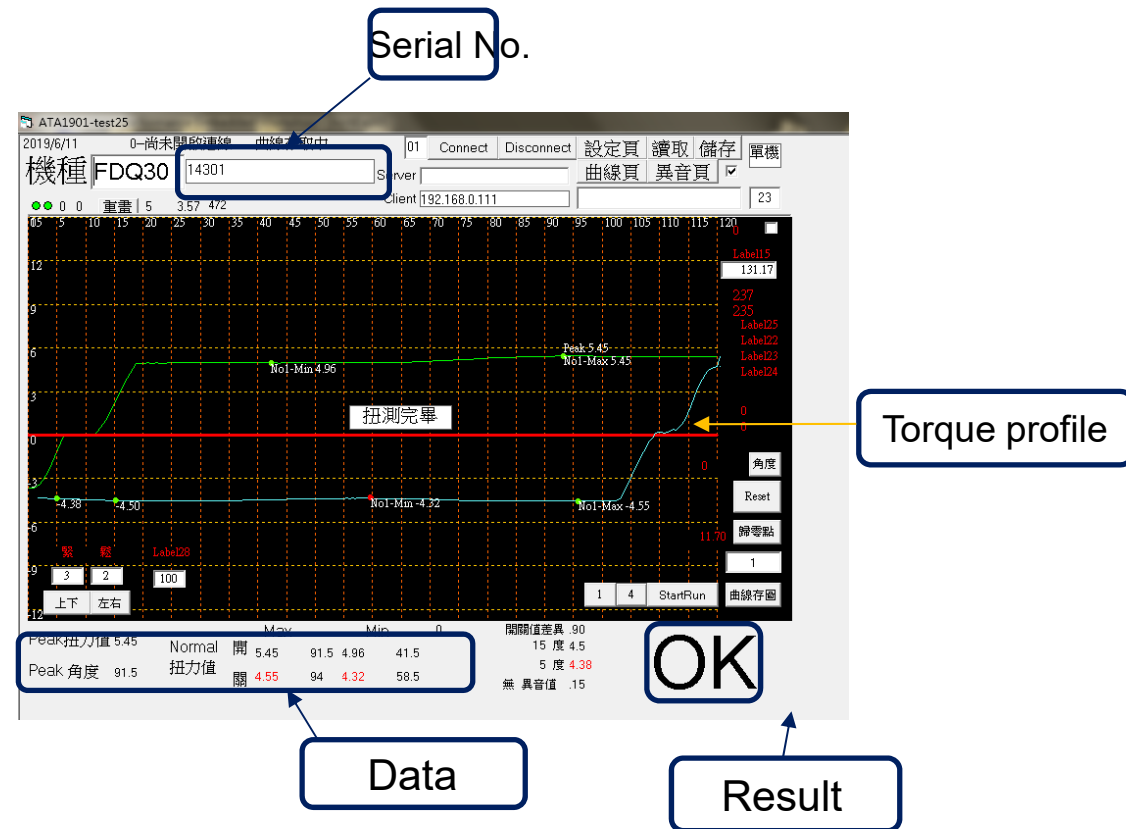
Under development

Foldable Hinge



- Objective: Provide reliable hinge solution for OLED panel
- Progress: NDA signed and ready for tooling. MP target in 2022

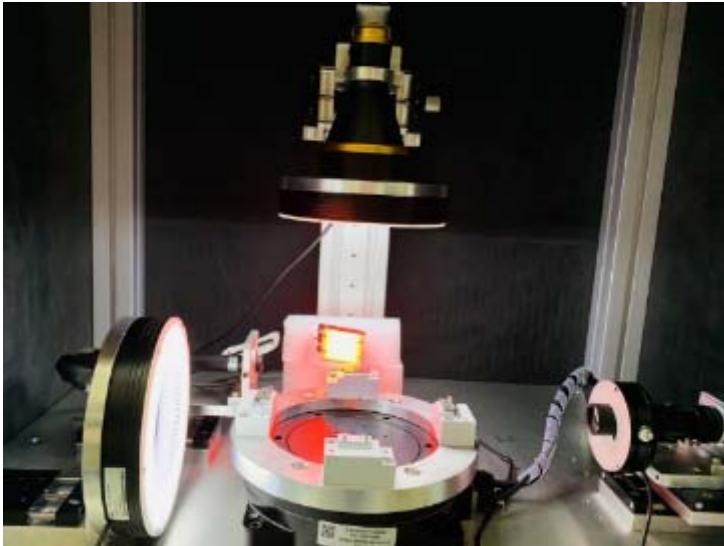
Automation – torque profile



- ◆ Fully automatic data interpretation and result determination
- ◆ Real time test data
- ◆ Traceable serial no. for data (including torque profile)



Automation – Automated optical inspection



- ◆ Dual 500 CMOS(Basler acA2500)
- ◆ Access QR code with 4 different parts
- ◆ Inspection data is traceable by QR code

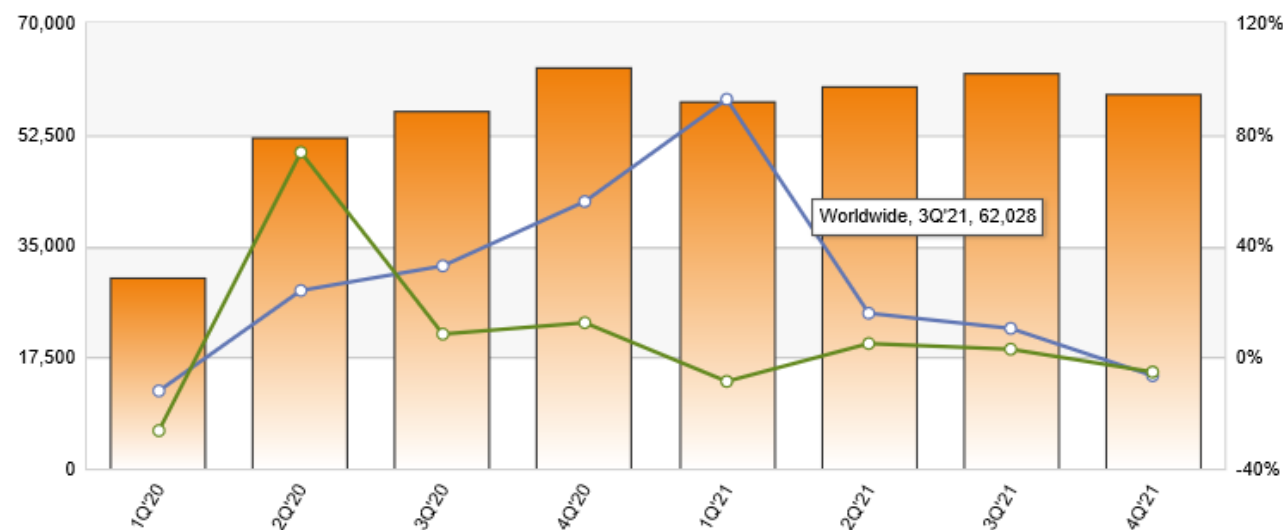


SNR

NB market share

1Q'20~4Q'21 Global NB shipments

Unit : (k units)



str_midList1 = 235

	1Q'20	2Q'20	3Q'20	4Q'20	1Q'21	2Q'21	3Q'21	4Q'21
Worldwide	29,865	51,858	56,120	62,994	57,505	60,167	62,028	58,900
YoY	-12	24.1	32.6	55.9	92.5	16	10.5	-6.5
QoQ	-26.1	73.6	8.2	12.2	-8.7	4.6	3.1	-5

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

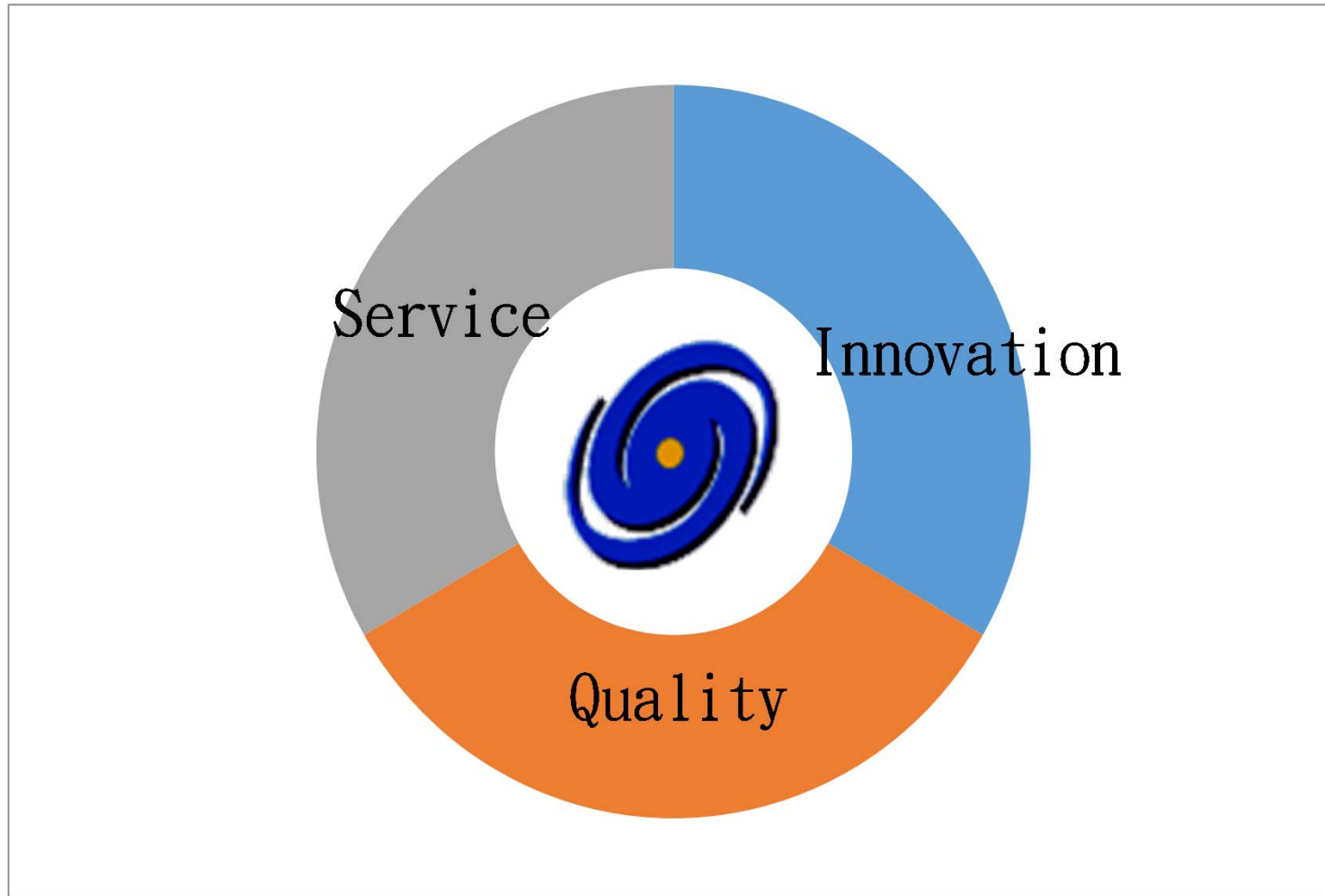
2. Figures are updated at the end of January, April, July and October.

Last updated : 2021/10/18



3. Business philosophy and performance

SNR Business philosophy

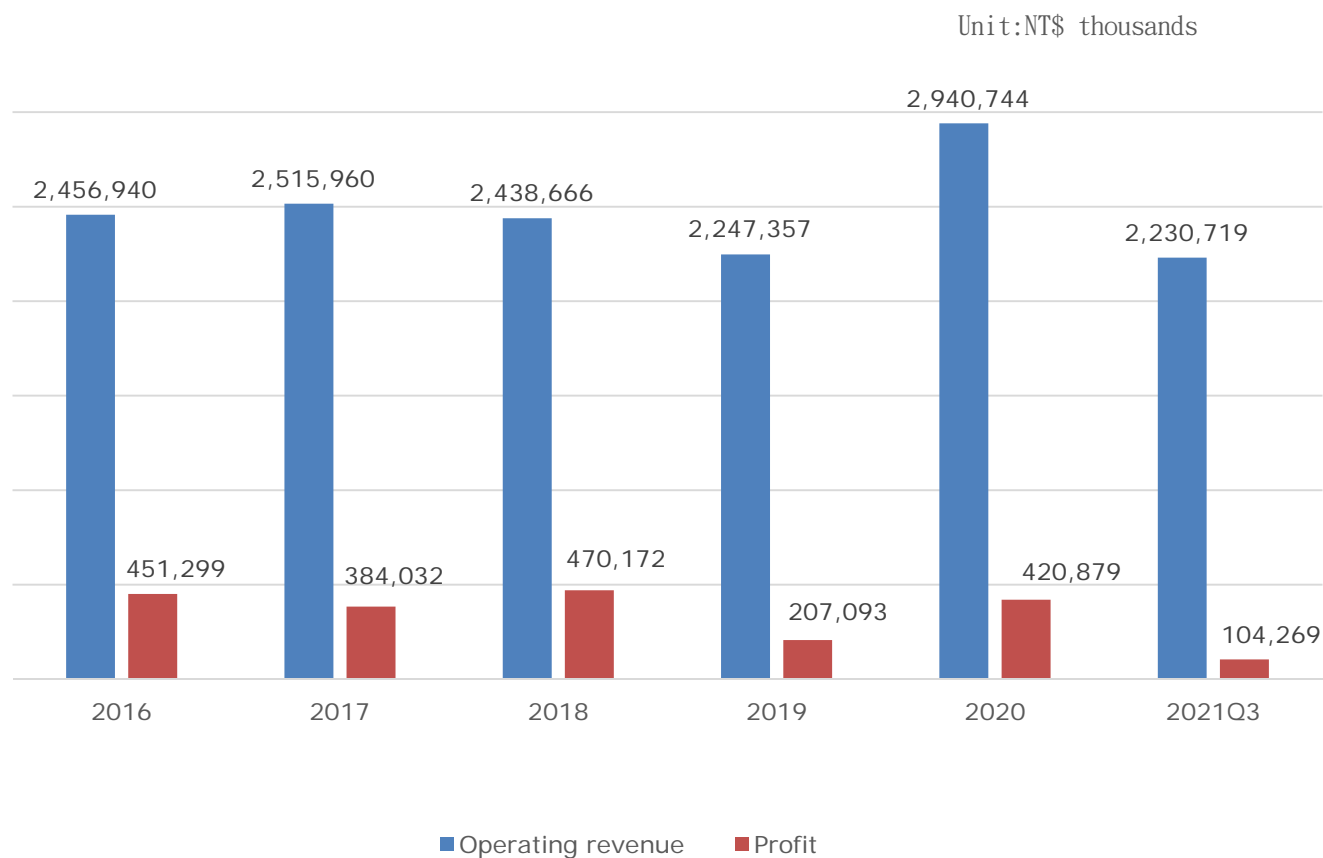




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Performance

Operating revenue and Profit

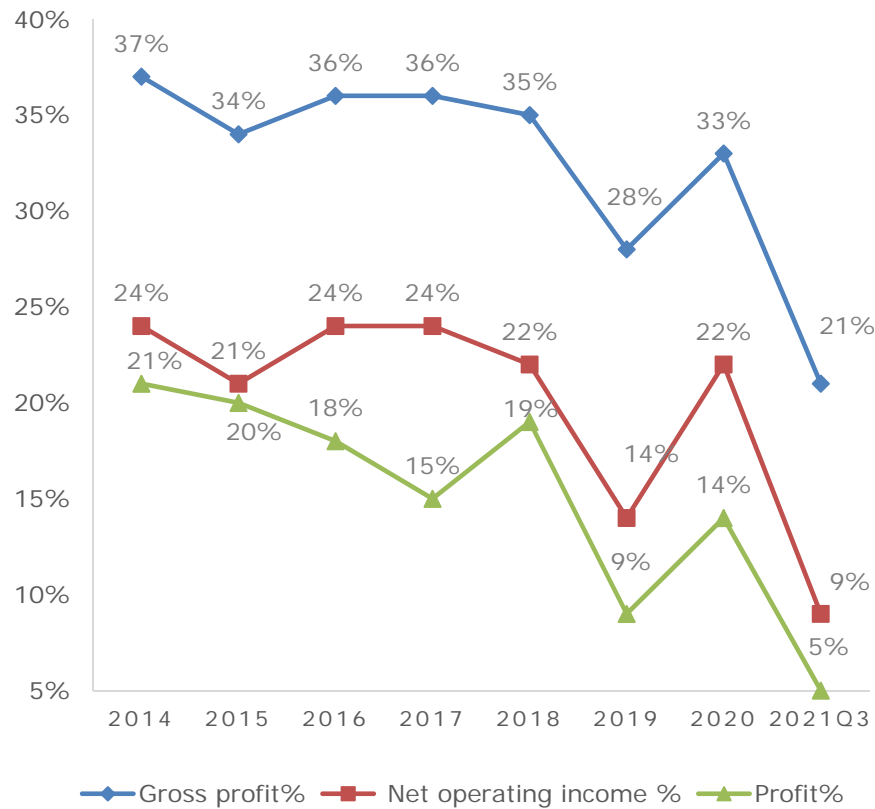




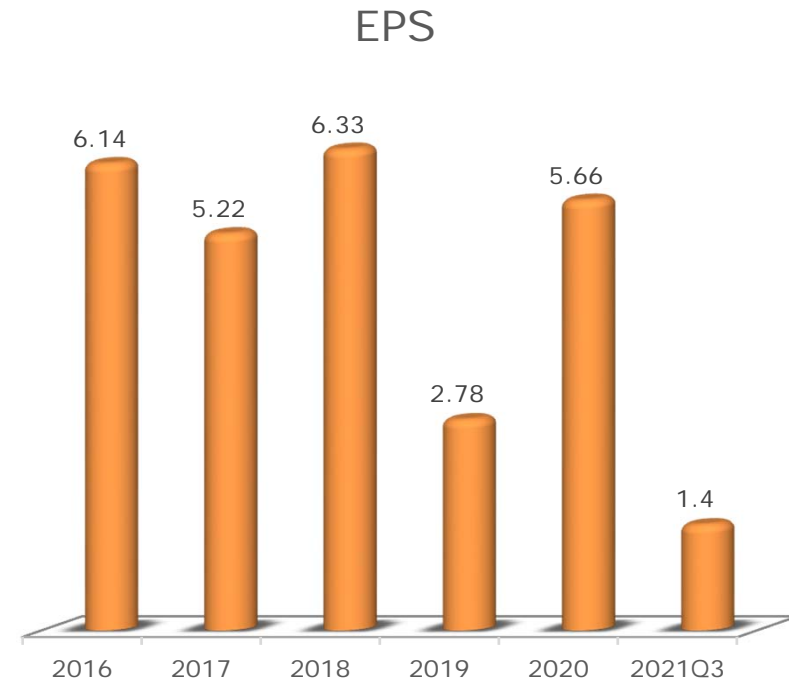
SNR

Performance

Gross profit% , Net operating
Income % and Profit%



Earnings per share





4. Competitiveness, strategy and future prospects



SNR 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



SNR R&D performance- IP

Up to 25th/Oct/2021, total IP as following

Country Type	Utility	Invention	Design	Total
Taiwan	155	9	1	165
USA		10		10
China	83	24	1	108
Total	238	43	2	283



SNR 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



THANK YOU

Q & A