Stock Number: 2428



LTD

THINKING ELECTRONIC INDUSTRIAL CO., LTD.

LEGAL PERSON BRIEFING SESSION 2020 Q4



Disclaimer

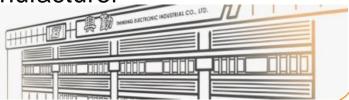
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The presentation is exclusively for the purpose of providing information, and not for the purpose of investment advice. The company does not undertake obligations of accuracy and completeness of the information and any losses caused by using the information of the presentation.



Company Introduction

- A 42 year old protective component manufacturer
- Owns 7 factories and 4000 employees



THINKING Factories

Taiwan









Yilan Factory

China



Changzhou Factory



Jingdezhen Factory



Dongguan Factory



Yichang Factory

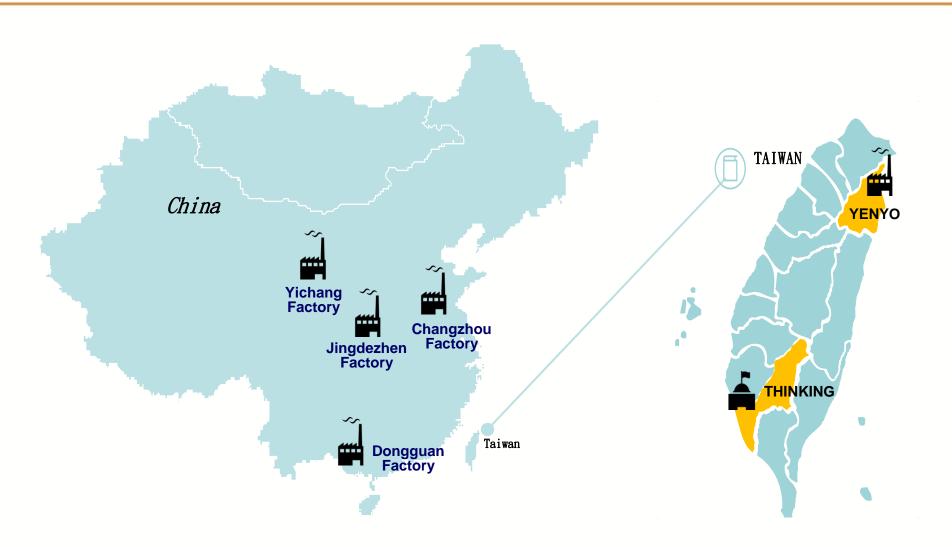


Expansion Plan in Taiwan: Kaohsiung 3rd Factory





Locations of THINKING Group





THINKING Products

Over-Voltage Protection



General Protection



ESD Protection



Spark Gap Protector



Primary Protection



TVS Diode



Thyristor Surge Suppressor

Over-Current Protection



NTC ICL



Ceramic PTC Thermistor



Polymer PTC Thermistor

Over-Temperature Protection



NTC **Thermistor**



Ceramic PTC Thermistor



Temperature Sensor



Global Presence of THINKING





Major Markets in 2020

Information and Communication Technology











Telecom

Power Supply

Computer

Consumer Electronics

Home Appliances and Lighting







Automotive and Industrial







Automotive

Medical and Others





Medical

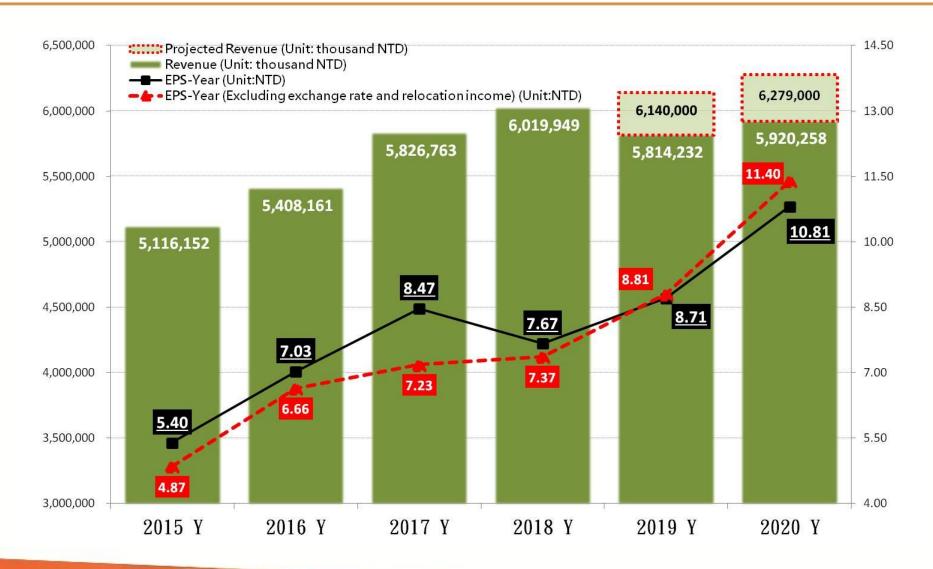


Other applications





Operation Overview: Revenue and EPS of Recent Years





Operation Overview: Yearly Consolidated Income Statement

Unit: Thousand NTD

Item	2019 Q4	2020 Q3	2020 Q4	QoQ	YoY
Net sales	1,522,209	1,619,691	1,706,280	5.3%	12.1%
Gross profit	635,191	781,079	817,983	4.7%	28.8%
Gross profit margin	41.7%	48.2%	47.9%	-0.3%	6.2%
Operating expenses	238,442	201,829	274,611	36.1%	15.2%
Operating net profit	396,749	579,250	543,372	-6.2%	37.0%
Operating profit ratio	26.1%	35.8%	31.8%	-3.9%	5.8%
Non-operating income and expenses	-9,616	10,812	-3,210	-129.7%	-66.6%
Net income	286,288	418,950	428,059	2.2%	49.5%
Earning per share (NTD)	2.25	3.27	3.34	0.07	1.09
Net profit margin	18.8%	25.9%	25.1%	-0.8%	6.3%



Operation Overview: Consolidated Balance Sheets

Unit: Thousand NTD

Item	2019.12.31	2020.9.30	2020.12.31	%	QoQ	YoY
Cash and cash equivalent	1,774,594	1,944,631	2,505,348	23%	28.8%	41.2%
Account receivable	2,046,553	2,189,769	2,432,303	22%	11.1%	18.8%
Inventories	822,298	1,042,569	1,266,112	11%	21.4%	54.0%
Current assets	6,067,809	7,327,076	8,084,389	73%	10.3%	33.2%
Fixed assets	2,090,206	2,168,369	2,227,877	20%	2.7%	6.6%
Non-current assets	2,682,706	2,784,409	2,946,271	27%	5.8%	9.8%
Total assets	8,750,515	10,111,485	11,030,660	100%	9.1%	26.1%
Account payable	533,753	582,192	645,786	6%	10.9%	21.0%
Other account payable	427,390	399,853	550,843	5%	37.8%	28.9%
Current liabilities	1,254,736	2,111,246	2,051,426	19%	-2.8%	63.5%
Non-current liabilities	980,796	1,098,269	1,534,447	14%	39.7%	56.4%
Total liabilities	2,235,532	3,209,515	3,585,873	33%	11.7%	60.4%
Total equity	6,514,983	6,901,970	7,444,787	67%	7.9%	14.3%



Operation Overview: Analysis of Financial Ratios

ltem		2019.12.31	2020.9.30	2020.12.31	QoQ	YoY
Debt Ratio		25.54%	31.74%	32.50%	0.76%	6.96%
Current Ratio		483.59%	347.04%	394.08%	47.04%	-89.51%
Account receivable	Turnover ratio (times)	2.90	2.65	2.64	-0.01	- 0.25
	Average collection days	126.05	137.60	138.07	0.47	12.02
Inventories -	Turnover ratio (times)	3.96	3.31	2.78	-0.53	- 1.18
	Average inventory turnover days	92.26	110.15	131.24	21.09	38.98
Account payable	Turnover ratio (times)	5.93	5.54	4.92	-0.61	- 1.01
	Average payables turnover days	61.52	65.91	74.13	8.22	12.61





Electric Vehicle

Emission Reduction

Autonomous Driving

Smart Transportation

Renewable Energy



Industrial IoT

Artificial Intelligence
Industry 4.0





High Speed Transmission

Ultra-Low Latency

Massive Throughput

Internet of Everything (IoE)

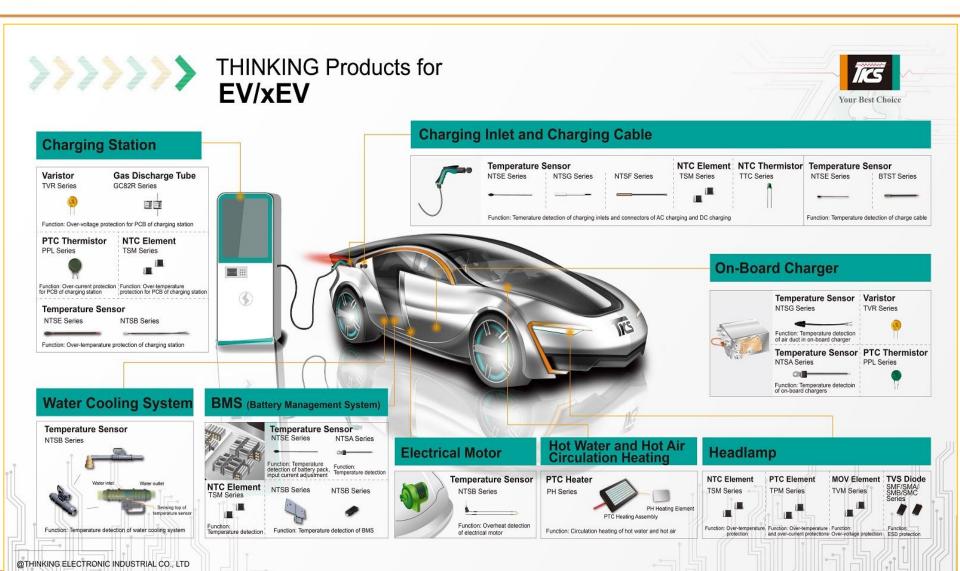


Smart Hospital

Public Health Surveillance



THINKING Products for EV and xEV









Industrial IoT

Industry 4.0





5G Communications

High Speed Transmission

Ultra-Low Latency

Massive Throughput

Internet of Everything (loE)



Medical & Health Care



THINKING Products for 5G Communications and SPD Module



>>>>>> THINKING Products for 5G Communications and SPD Module





5G Telecommunications Applications



SPD Module **Applications**

Gas Discharge Tube Product Feature



- Size: Ф11.8mmX12/17/18mm, Ф15.5mmX5mm, Ф20mmX5.5/6mm, Ф25X10/21mm, Ф30X12mm
- DC Spark-Over Voltage: 150V~1000V
- Impulse Discharge Current (8/20us/10 times): 20KA, 25KA, 30KA, 40KA, 60KA, 80KA, 100KA

· Various terminal structures satisfy customer's design needs

Thermally Protected Varistor





Product Feature

- Varistor Volrage (V1mA): 100V~1600V . Imax: 6KA-40KA, In reaches 20KA
- . Body size: 10, 14, 20, 25, 32, and 34mm
- . Two-terminal and three-terminal types are available for coating type products, and three-terminal type offers failure indication

Varistor for Lightning Protection



Product Feature

- Offer 12.5KA and 15KA (limp10/350 µs) solutions for SPD Class I
- Varistor voltage (V1mA): 47V-1800V
- . Imax of a disc is 10KA-70KA, and its In is 35KA. For two 34mm discs that connect parallelly, the In is 40KA.





Emission Reduction

Autonomous Driving

Smart Transportation

Renewable Energy



Industrial

Smart Manufacturing
Industrial IoT
Artificial Intelligence

Industry 4.0





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Home Care

Telehealth

Smart Hospital

Public Health Surveillance





Emission Reduction

Autonomous Driving

Smart Transportation

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Medical & Health Care

Home Care

Telehealth

Smart Hospital

Public Health

Surveillance





Q&A

THANK YOU!



Thank You for Your Listening!

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