



Highly Focus on **INNOVATION**

Dec. 2019



Inductor



Resistor



Powder



RF



ISO9001 ISO14001 IATF16949

Chilisin Milestone

1972



Established

~2001



Business Expansion

- Listed on Taiwan Stock Exchange
- Established DongGuan Factory

~2016



Globalization

- Established Vietnam Factory
- Overseas Office in America, Malaysia and Singapore

~2019



Passive Solution Provider

- Acquisition :
 - Shin Yuan Elec.(2019)
 - Mag.Layers & Magic(2018)
 - Ralec & Ferroxcube(2017)
- Established Group Production Site in Hunan



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Chilisin Group

Turnover 208MUSD
 WW Ranking No. 3
 Employee: 4,167
 Factory Location
 - Taiwan
 - China
 - **Vietnam**



HsinChu, Taiwan
Founded 1972



Taipei, Taiwan
Founded 1941

Turnover 70MUSD
 WW Ranking No. 4
 Employee: 1,325
 Factory Location
 - China
 - **Poland**

Turnover 100MUSD
 Employee: 1,506
 Factory Location
 - Taiwan
 - China



Taoyuan, Taiwan
Founded 1990

**Y2018 Turnover:
 680MUSD
 Employee: 10,918**



Kaohsiung, Taiwan
Founded 1994

Turnover 224MUSD
 WW Ranking No. 3
 Employee: 1,920
 Factory Location
 - Taiwan
 - China
 - **Malaysia**

Turnover 54MUSD
 DIP/Molded Pro
 Employee: 1,400
 Factory Location
 - China



Taipei, Taiwan
Founded 1996



Kunshan, China
Founded 2004

Turnover 24MUSD
 Spring Expert
 Employee: 600
 Factory Location
 - China



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Global Service Network

Chilisin_2019



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Resistor

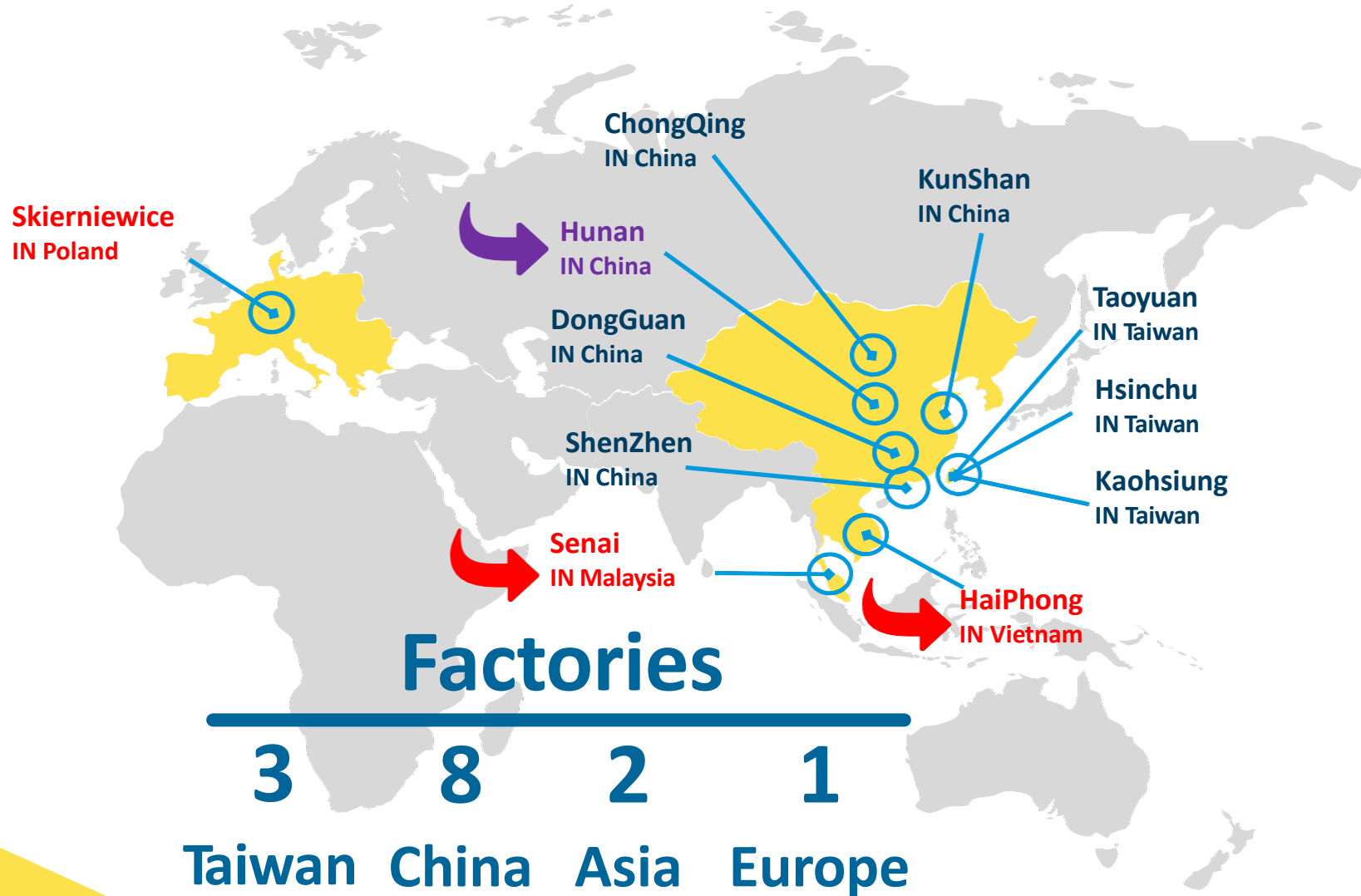


Powder



RF

Global Manufacturing locations



Inductor



Resistor



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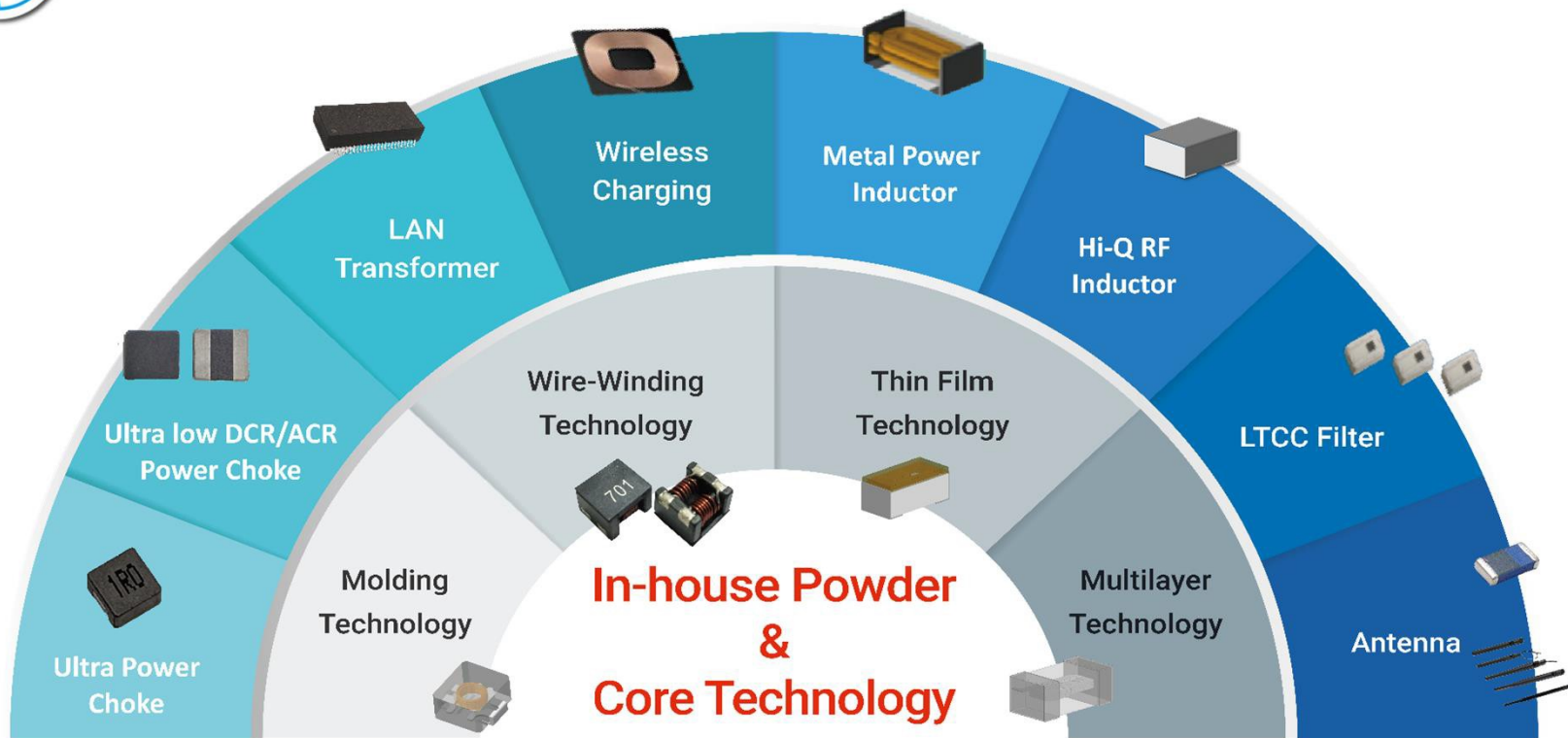
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Total Solution Provider - Inductor

Chilisin_2019



Inductor+



Inductor



Resistor



Powder



RF

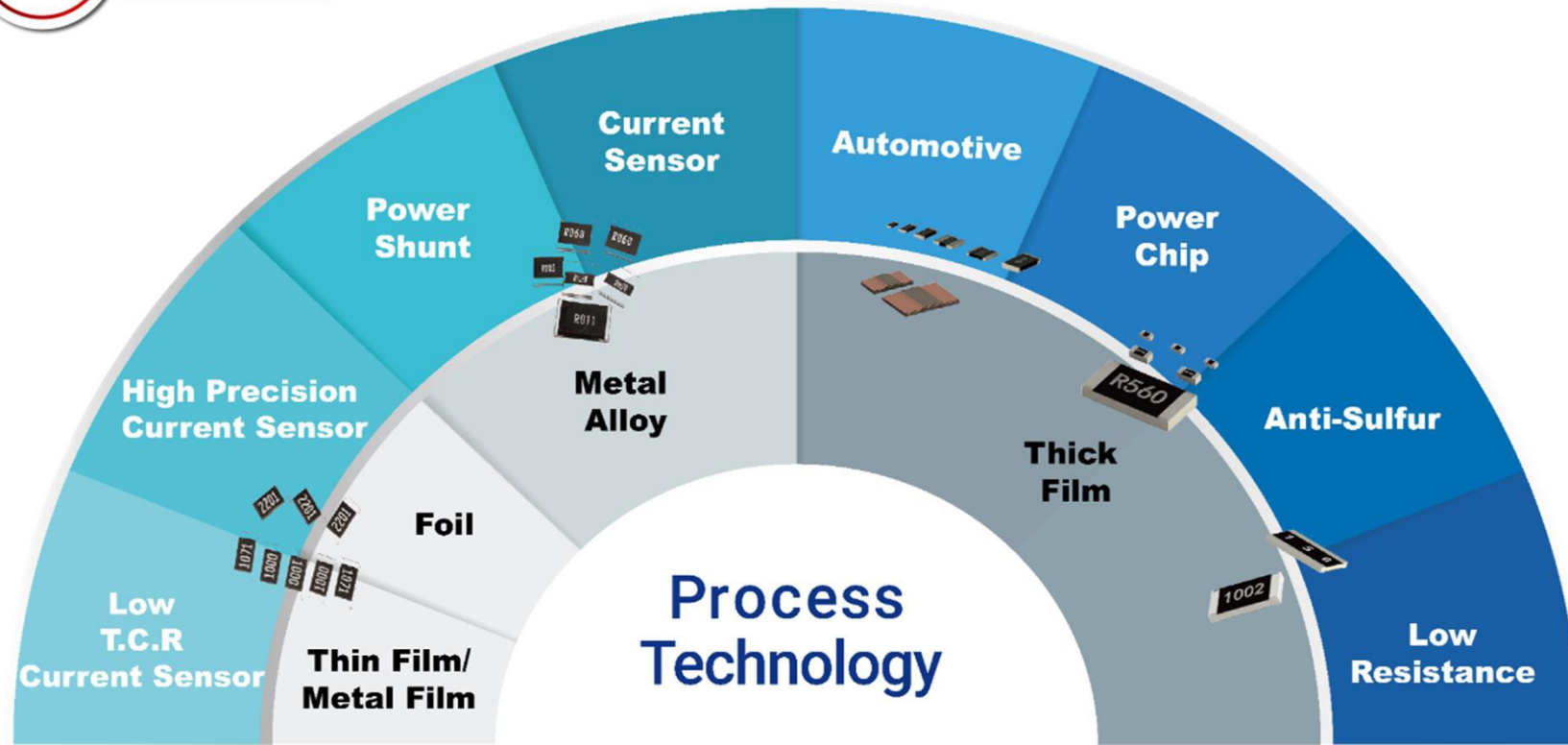




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Total Solution Provider - Resistor

Chilisin_2019



Inductor



Resistor



Powder



RF

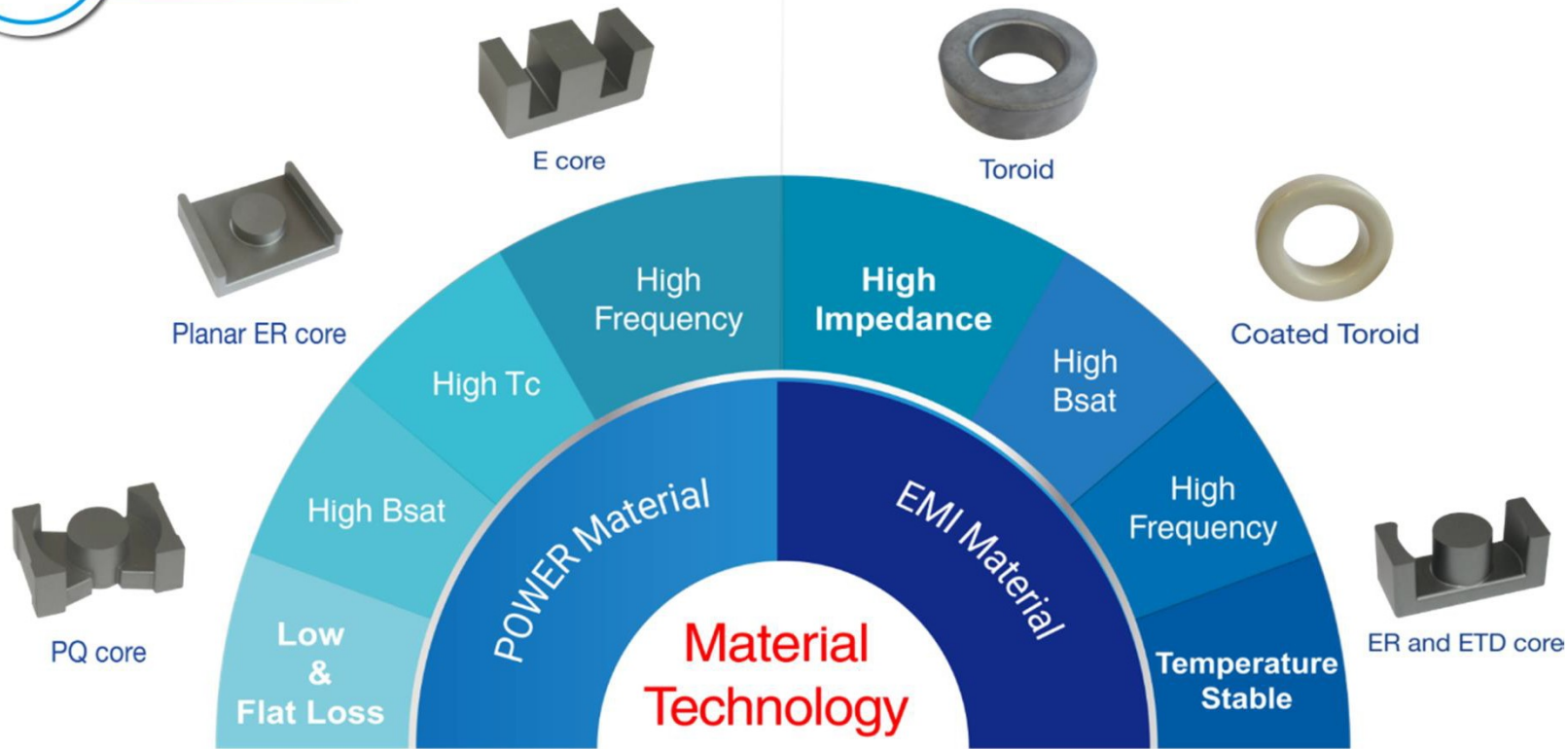




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Total Solution Provider - Powder

Chilisin_2019



Inductor



Resistor



Powder






RF





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Capacity Overview

Category	Product Type	2018 Capacity	2019 Capacity	2020 Capacity
Inductor Unit:Mpcs/M	Multilayer 	2,500	3,000	3,000
	Wire-winding 	360	360	360
	Molding 	780	780	880
	Thin Film 	250	250	250
	Through-Hole 	100	100	100
Filter Unit:Mpcs/M	LTCC Filter 	40	120	200
Resistor Unit:Mpcs/M	Chip Resistor 	25,000	36,000	36,000
	Metal CSR 	100	100	100
Ferrite Unit:Tons/Y	Powder 	18,000	18,000	18,000
	Ferrite 	11,400	11,400	11,400



Inductor



Resistor



Powder



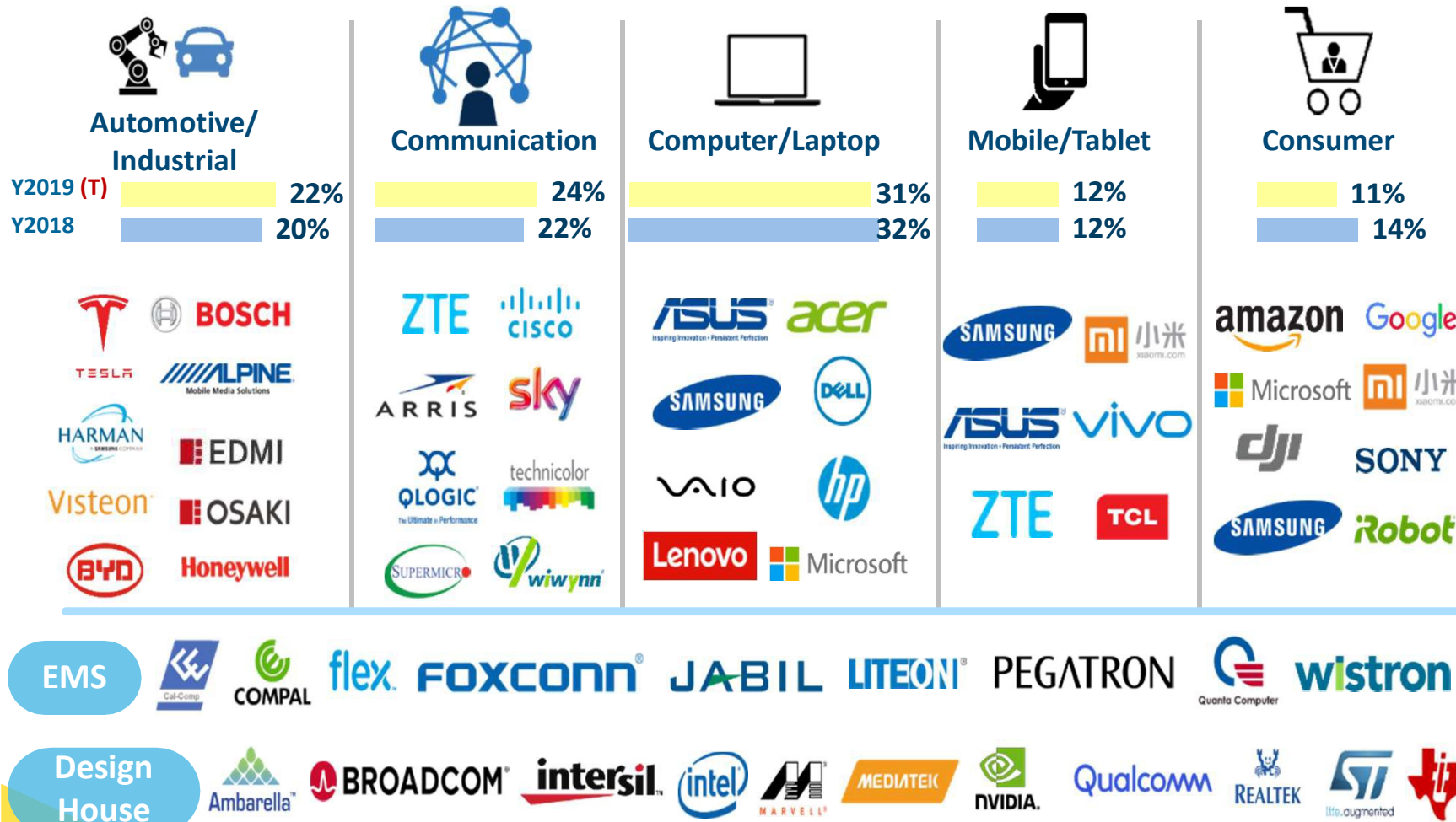
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※ Antenna manufacturing mix with various technologies for customization



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Group Revenue Stream



Stronger Inductor Market Position

**WW No.3
Inductor Supplier**

Source:
1. Paumanok (2019)
2. Chilisin Estimate



(Ranked by value)

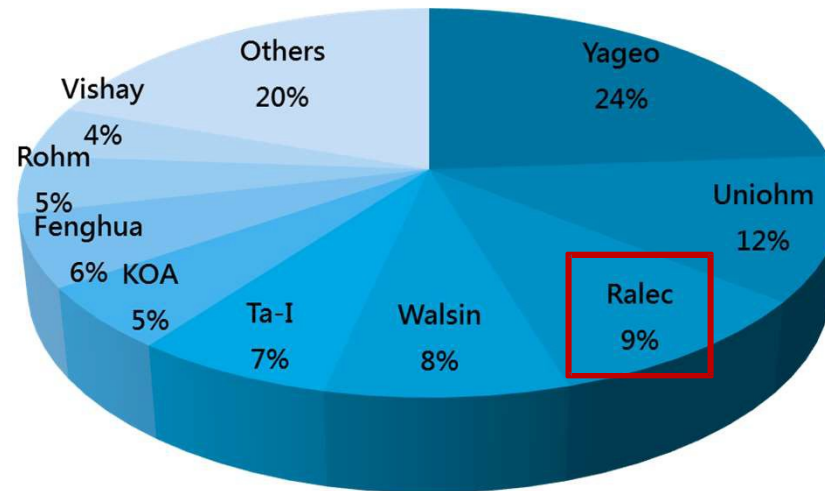
● Product : Multilayer, Power, SMD/Chip Inductors, EMC Filters, Beads



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RALEC – Leading Resistor Supplier

- WW **No.3** Chip Resistor Supplier
- Leading position of Metal Current Sensor (100Mpcs/Month Capacity)
- Various **Specialty** for all applications
 - Sulfur Resistant Chip Resistor
 - Automotive Grade Resistor
 - Thin Film Resistor
 - Precision Resistor
 - High-Power Resistor
 - Wide-Terminal Resistor
 - 4-Terminal Resistor
 - Array Resistor
 - Metal Strip Current Sensor
 - Metal Film Current Sensor



Ranked by Capacity



Inductor



Resistor



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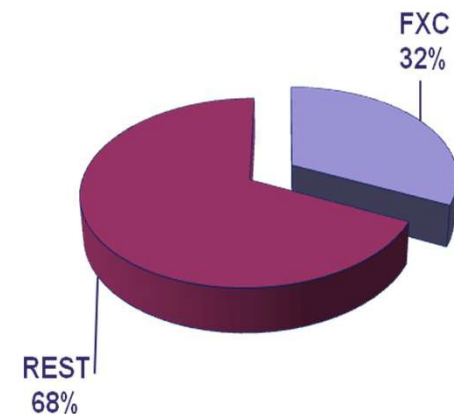
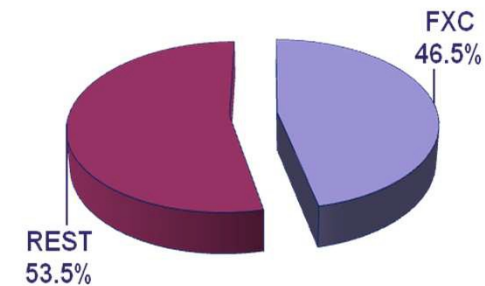
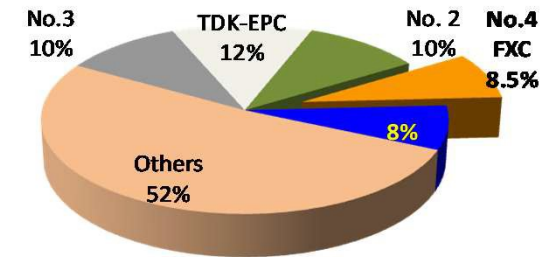
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Ferroxcube – Ferrites Innovator

- WW No.4 Ferrite maker and dominate No.1 position in Europe and USA
- Wide range offering in Power & EMI material and act as leading position of high performance material provider
 - The best Bsat ferrite Power material in all kind of working frequency
 - The best high frequency Power material
 - (200KHz ~ 3MHz) in AC-DC or DC-DC application
 - The best frequency stability (Impedance) EMI material @ higher TC (Curie Temperature -130 deg;)
- Recognized by leading EV/PHEV car makers



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Contact

ELEKTRONIK **Blume**

Wilhelm Haßenpflug

BLUME ELEKTRONIK DISTRIBUTION GMBH

TECCENTER 1 | 31162 | BAD SALZDETFURTH

FON:(0 50 63) 27 12-20 | FAX:(0 50 63) 27 12-12

EMAIL: HASSENPFUG@BLUME-ELEKTRONIK.DE

WWW.BLUME-ELEKTRONIK.DE

partnership in excellence



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Total Solution Provider for Power, EMI and RF.

Thank you!