



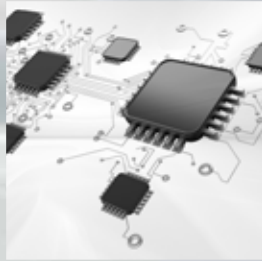
SHINHAN DIAMOND  
2018 World Class 300 Company



Management  
System  
ISO 9001:2015  
ISO 14001:2015

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# PRECISION INDUSTRY TOOLS



Semiconductor · Display · Automobiles · Bearing  
Machine/Tools · Aviation · Defense Industry

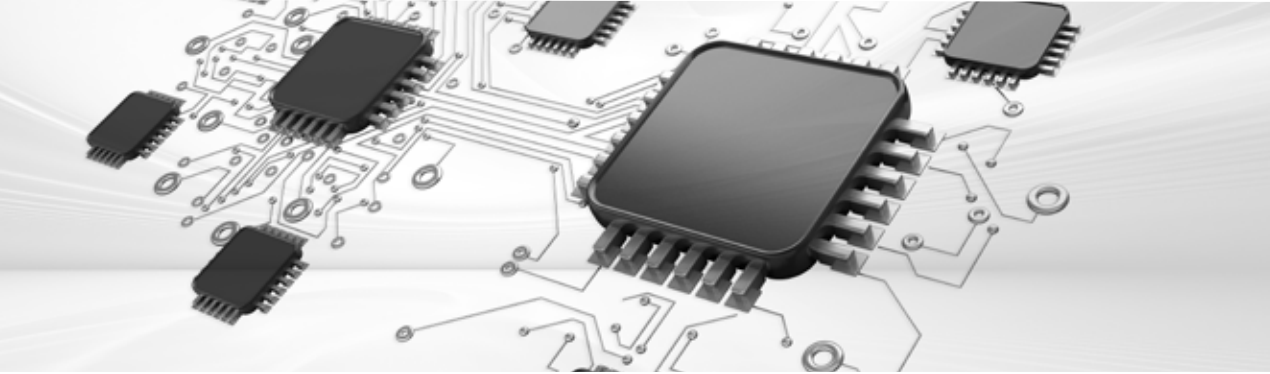


[www.shinhandiamond.com](http://www.shinhandiamond.com)

# SEMICONDUCTOR INDUSTRY

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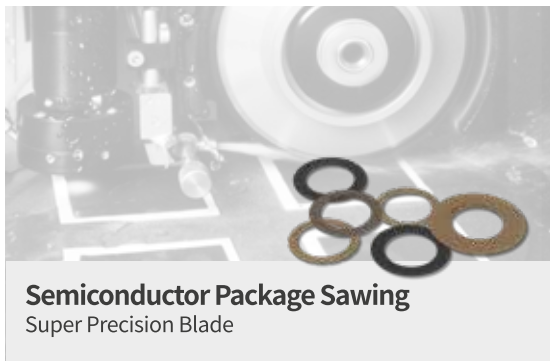
With the constant demand for high performance, high capacity, and light weight of electronic devices, the semiconductor industry is continuously working on the high integration of circuits and thinning of chips. Therefore, we offer to optimise planarization processes to meet customer demands by making pattern wafers lighter and improving the heat and electrical properties for high integration.



## Product

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■ The photos in background show how it works with its workpiece



# DISPLAY INDUSTRY

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The major segments of the display industry consist of LED and OLED panels. They are used for displays on smartphones, laptops, TVs, and monitor screens. We provide diamond tools such as carving tools, grinding discs, and an electro coating CNC tools to protect the shape design of thin panel plates and for the prevention of damages.



## Product

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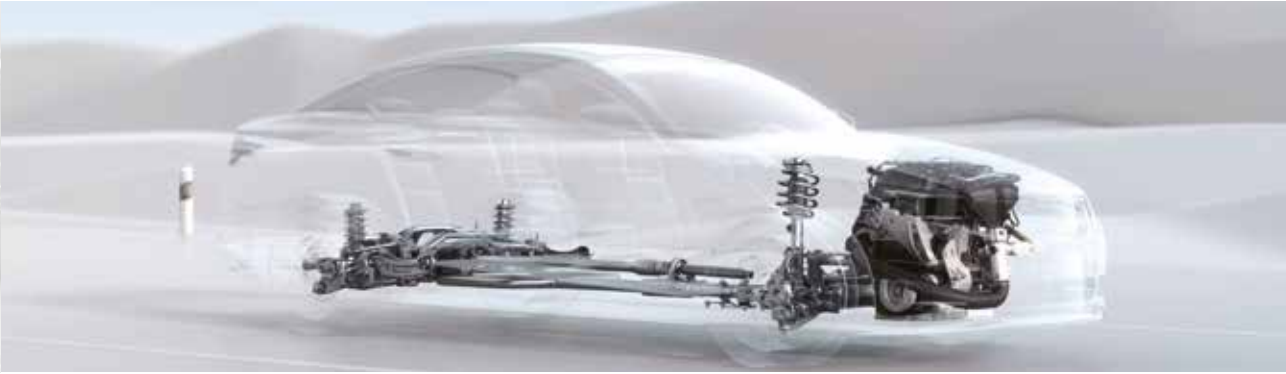
■ The photos in background show how it works with its workpiece



# AUTOMOBILE INDUSTRY

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Precision machining of automotive engines and transmission components plays a key role in improving the powertrain performance. Shinhan Diamond grinding and cutting tools are contributing to precision machining and productivity improvements of powertrain components.



## Product

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■ The photos in background show how it works with its workpiece



# BEARING INDUSTRY

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Bearing is a core rotary component that is used in everyday life in the automotive and electrical industry as well as for the aviation and aerospace industries, among other fields. We provide ultra-precision diamond tools that support the low noise and high speed functions of bearings.



## Product

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■ The photos in background show how it works with its workpiece



# MACHINE/TOOL INDUSTRY

The material, machine, and tool industries are producing various kinds of products in small quantities, due to various kinds of workpieces, and these limitations must be overcome. In order to meet the customers' needs for higher productivity at a lower cost, we are striving to realize customer satisfaction with differentiated products that meet various applications.

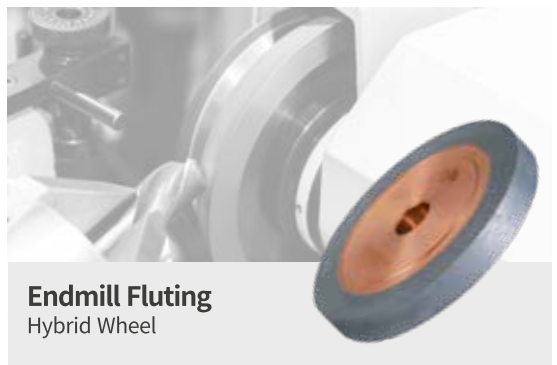


## Products

■ The photos in background show how it works with its workpiece



**Insert Outer Surface Grinding**  
Vitri/Resin Hybrid Wheel



**Endmill Fluting**  
Hybrid Wheel



**Nonferrous and Ferrous Metal Cutting & Machining**  
PCD/PCBN Cutting Tool



**Grinding Stone Particles (Dressing)**  
Metal Diamond Dresser



**Block, Rail Grinding (Grinding Stone)**  
Rotary Dresser



**Screw Surface Grinding (Grinding Stone)**  
Rotary Dresser



**Nonferrous and Ferrous Metal Outer Diameter Polishing**  
Vitri, Resin Centerless Wheel

# AVIATION INDUSTRY

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Parts applied to the aviation industry are supplied for both military and commercial use. For this reason, we must prioritize accuracy and stability as the top priority and always consider the best quality. Shinhan Diamond guarantees the quality of the parts through precision machining of tools to meet customer reliability expectations and offer high productivity solutions during the manufacturing process.



■ The photos in background show how it works with its workpiece



**Turbine Blade Polishing (Grinding Stone)**  
Rotary Dresser



**Riveting Hole Machining**  
PCD Counter Sink

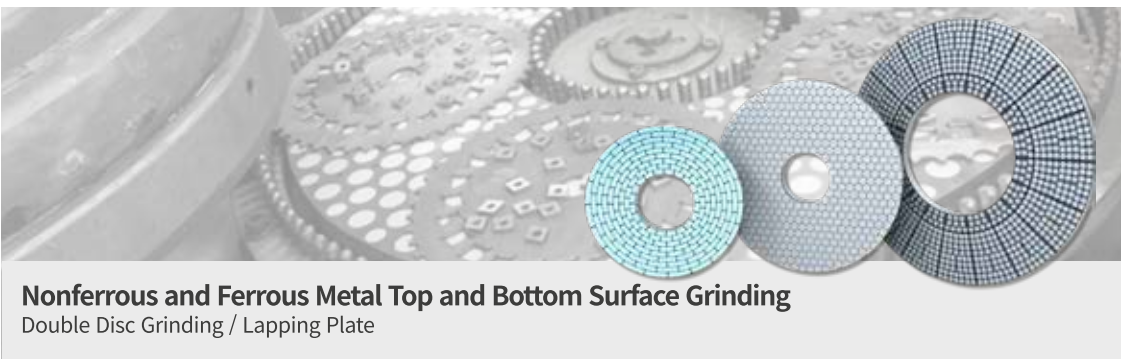
# DEFENSE INDUSTRY

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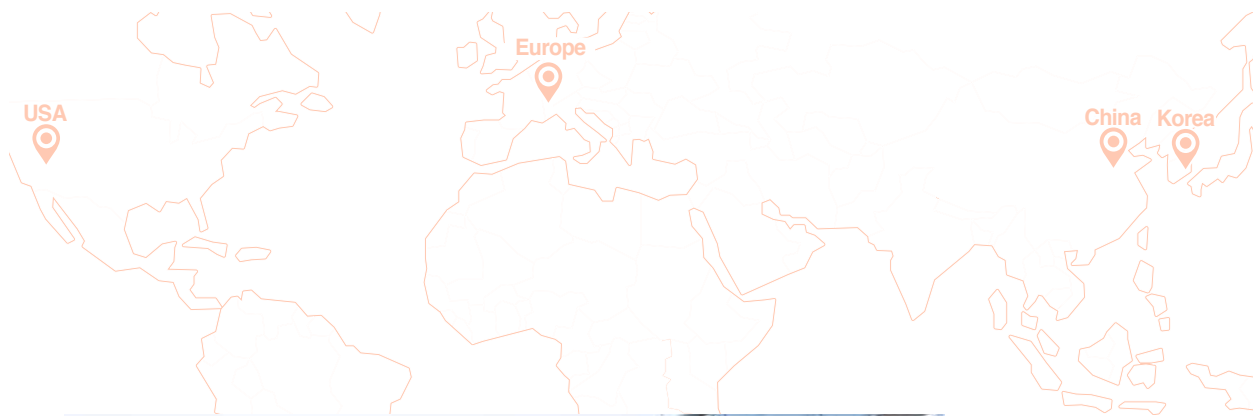
In the defense industry, high toughness/strength bulletproof materials play an important role for protection. We use state-of-the-art diamond tool technologies, which are used for precise machining and mass production of hard-to-polish ceramic materials which are suitable for bulletproof materials. We also provide tools and machining solutions which are suitable for our customer systems.



■ The photos in background show how it works with its workpiece



**Nonferrous and Ferrous Metal Top and Bottom Surface Grinding**  
Double Disc Grinding / Lapping Plate



[www.shinhandiamond.com](http://www.shinhandiamond.com)

# The Leader of Diamond Tool Company in Korea! We are challenging to be the leading company of diamond tools in the World.

Shinhan Diamond Ind. Co., Ltd. is the leading diamond tool company in Korea. In order to achieve our vision of becoming the No. 1 company in the world, we have been leading the globalization of Korean diamond tools for the past 40 years. Our goal is to become the leader of diamond tool company in the world.

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