



**Global and China Copper Clad Laminate  
(CCL) Industry Report, 2016-2020**

**Oct. 2016**

## **STUDY GOAL AND OBJECTIVES**

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

## **REPORT OBJECTIVES**

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

## **METHODOLOGY**

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

## **INFORMATION SOURCES**

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

## Abstract

Copper clad laminate (CCL) is made up of copper foil, glass fiber, resin and other materials. As the essential material for fabricating PCB, CCL is chiefly divided into rigid and flexible CCL.

The global CCL output was 750 million square meters in 2015, down 0.9% year on year, mainly due to the decline in growth rate of the downstream market. In 2016, the rising raw material costs bring greater pressure on the development of the downstream sectors, and the market has not yet shown a sign of obvious recovery. For this, the global output is expected to continue to drop a bit by 0.4%.

China, the world's largest CCL production base, produced 520 million square meters in 2015, edging up 0.3% year on year and accounting for 69.6% of the global total. In 2016-2020, China's CCL output is expected to grow at a compound annual rate of about 1.5% thanks to the slight rebounding of the downstream PCB industry under the impetus of automotive electronics, 4G / 5G communication terminals and other high-growth fields over the next few years.

In 2016, China's CCL price stops falling to rise by about 2.5% as a result of the more expensive copper foil which is much sought after. It will take 1-2 years to build the copper foil capacity, so the market will still be in short supply in the next two years, thereby promoting the CCL price to go high.

The Chinese CCL market is highly concentrated, with the stable competitive landscape. In 2015, the industry's CR5 was 73.0%, wherein Kingboard Chemical ranked first with 27.5% market share, followed closely by Nan Ya Plastics Corporation and Shengyi Technology with 15.5% each.

The CCL industry mainly relies on the PCB market whose future development will be propelled by automotive electronics, communications terminals and other emerging high-growth fields in China.

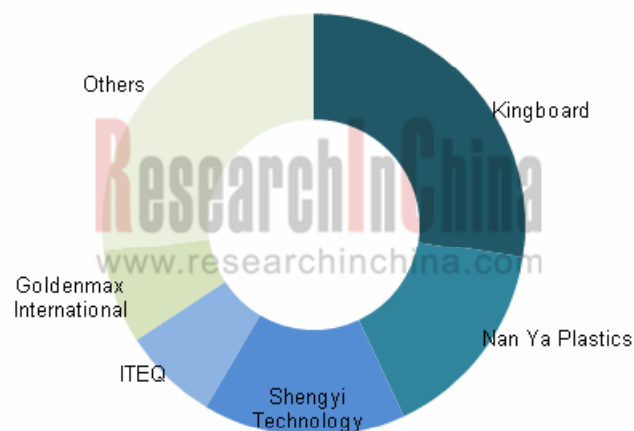
**Automotive electronics:** As per the cost structure, new energy vehicles see automotive electronics hold a much higher proportion of the total costs than traditional cars (compact cars witness 15%, medium and high-end sedans 28%, hybrid sedans 47%, and battery electric sedans 65%). In recent years, with the support of the national policies, China's new energy vehicle industry has been developing quickly at an average annual growth rate of 50.0%, which can facilitate automotive electronics further.

**Communications terminals:** The number of Chinese 4G users swelled from 97 million in 2014 to 386 million in 2015, showing explosive growth. The market growth rate in 2016 is expected to exceed that in 2015. 4G (or above) intelligent terminal module hardware needs to be integrated in PCB for the purpose of wireless reception, transmission and other functions. Accordingly, the future upgrading of intelligent terminals will prompt the demand for PCB to grow.

Global and China Copper Clad Laminate Industry Report, 2016-2020 by ResearchInChina focuses on the followings:

- ⇒ Overview, market size, market structure, competitive landscape, etc. of the global CCL industry;
- ⇒ Policies, development trends, market scale, market structure, market price, competition pattern, import and export , etc. of China CCL industry;
- ⇒ Overview, market size, market structure, competitive landscape, driving factors and the like of the upstream copper foil industry;
- ⇒ Downstream PCB market size, market structure, competitive landscape, market drivers and so on;
- ⇒ Operation, CCL Business, etc. of 5 global and 18 Chinese CCL manufacturers.

## Market Structure of Copper Clad Laminate in China, 2015



### 1 Overview of CCL Industry

- 1.1 Types of CCL
- 1.2 Industry Characteristics
- 1.3 Industry Chain

### 2 Global CCL Market

- 2.1 Industry Overview
- 2.2 Market Size
  - 2.2.1 Output Value
  - 2.2.2 Output
- 2.3 Market Structure
- 2.4 Competitive Landscape
  - 2.4.1 CCL
  - 2.4.2 Rigid CCL
  - 2.4.3 Halogen-free CCL

### 3 Environments for CCL Industry Development in China

- 3.1 Industrial Policies
- 3.2 Influencing Factors
- 3.3 Entry Barriers
- 3.4 Development Trends

### 4 Chinese CCL Market

- 4.1 Market Size
  - 4.1.1 Capacity
  - 4.1.2 Output and Sales Volume
  - 4.1.3 Revenue
- 4.2 Market Structure
  - 4.2.1 Rigid CCL
  - 4.2.2 Flexible CCL

### 4.3 Competitive Landscape

- 4.4 Market Price
- 4.5 Import & Export
  - 4.5.1 Import
  - 4.5.2 Export

### 5 Upstream - Copper Foil Market

- 5.1 Overview
  - 5.1.1 Classification
  - 5.1.2 Development Course
  - 5.1.3 Cost Proportion
- 5.2 Global Market
  - 5.2.1 Market Size
  - 5.2.2 Market Structure
  - 5.2.3 Competitive Landscape
  - 5.2.4 Lithium Battery Copper Foil
- 5.3 Chinese Market
  - 5.3.1 Market Size
  - 5.3.2 Market Structure
  - 5.3.3 Market Price
  - 5.3.4 Lithium Battery Copper Foil

### 6 Downstream -PCB Market

- 6.1 Market Size
  - 6.1.1 Global
  - 6.1.2 China
- 6.2 Market Structure
  - 6.2.1 Global
  - 6.2.2 China
- 6.3 Competitive Landscape
  - 6.3.1 Global

### 6.3.2 China

- 6.4 Impetus
  - 6.4.1 The Trend of Automotive Electronics Drives the Rapid Growth of Automotive PCB
  - 6.4.2 Small High-density Base Stations Stimulate the Demand for High Value-added Sheets and PCB

### 7 Major Foreign CCL Manufacturers

- 7.1 Hitachi Chemical
  - 7.1.1 Profile
  - 7.1.2 Operation
  - 7.1.3 Revenue Structure
  - 7.1.4 R & D
  - 7.1.5 CCL Business
- 7.2 Rogers
  - 7.2.1 Profile
  - 7.2.2 Operation
  - 7.2.3 Revenue Structure
  - 7.2.4 CCL Business
- 7.3 Others
  - 7.3.1 Isola
  - 7.3.2 Arlon
  - 7.3.3 Panasonic Electric Works

### 8 Major Chinese CCL Manufacturers

- 8.1 Kingboard Chemical
  - 8.1.1 Profile
  - 8.1.2 Operation
  - 8.1.3 Revenue Structure
  - 8.1.4 Gross Margin
  - 8.1.5 CCL Business

8.1.6 Competitive Edges	8.6.3 Revenue Structure	8.11.7 ChangChun Group
8.2 Shengyi Technology	8.6.4 Gross Margin	8.11.8 Jiangsu Roda Electron Material
8.2.1 Profile	8.6.5 CCL Business	
8.2.2 Operation	8.7 Zhejiang Huazheng New Material	
8.2.3 Revenue Structure	8.7.1 Profile	
8.2.4 Gross Margin	8.7.2 Operation	
8.2.5 CCL Business	8.7.3 Major Customers and Suppliers	
8.2.6 Development Plan	8.7.4 CCL Business	
8.3 Goldenmax International Technology	8.8 Shanghai Nanya Copper Clad Laminate	
8.3.1 Profile	8.8.1 Profile	
8.3.2 Operation	8.8.2 Operation	
8.3.3 Revenue Structure	8.8.3 CCL Business	
8.3.4 Gross Margin	8.9 Elite Material	
8.3.5 CCL Business	8.9.1 Profile	
8.3.6 Main Projects	8.9.2 Operation	
8.4 Guangdong ChaoHua Technology	8.9.3 Revenue Structure	
8.4.1 Profile	8.9.4 Gross Margin	
8.4.2 Operation	8.9.5 CCL Business	
8.4.3 Revenue Structure	8.10 Changzhou Zhongying Science & Technology	
8.4.4 Gross Margin	8.10.1 Profile	
8.4.5 CCL Business	8.10.2 CCL Business	
8.4.6 Major Dynamics	8.11 Others	
8.5 ITEQ Corporation	8.11.1 Nan Ya Plastics Corporation	
8.5.1 Profile	8.11.2 Formosa Laboratories, Inc.	
8.5.2 Operation	8.11.3 Grace Electron Corp. (Guangzhou)	
8.5.3 Revenue Structure	8.11.4 Shandong Jinbao Electronics Co., Ltd	
8.5.4 CCL Business	8.11.5 VENTEC Electronics (Suzhou) Co., Ltd.	
8.6 Guangdong Goworld	8.11.6 Shandong LaiwuJinding Electronic Materials Co., Ltd.	
8.6.1 Profile		
8.6.2 Operation		

- Structure of Copper Clad Laminate
- Structure and Materials of Main Copper Clad Laminates
- Classification of Copper Clad Laminate
- Copper Clad Laminate Industry Chain
- Output Value and Growth Rate of Global CCL Industry, 2013-2020E
- Output Value and Growth Rate of Global Rigid CCL Industry, 2013-2020E
- Global CCL Output, 2010-2020E
- Global Rigid CCL Output, 2014-2020E
- Structure of Global CCL Output Value (by Product), 2013-2020E
- Structure of Global CCL Output Value (by Region), 2011-2020E
- Competitive Landscape of Global CCL Market, 2015
- Competitive Landscape of Global Rigid CCL Market, 2015
- Competitive Landscape of Global Halogen-Free CCL Market, 2015
- Policies on China CCL Industry, 2008-2016
- CCL Capacity in China, 2011-2020E
- CCL Output and Sales Volume in China, 2011-2020E
- Sales and Growth Rate of China CCL Industry, 2010-2020E
- Area Distribution of CCL Manufacturers in China, 2015
- Structure of China's CCL Output (by Product), 2014-2020E
- Output of Rigid CCL in China (by Product), 2011-2020E
- Sales Volume of Rigid CCL in China (by Product), 2014-2020E
- Output and Growth Rate of Flexible CCL in China, 2008-2020E
- Capacity Distribution of Flexible CCL in China, 2015
- Major Flexible CCL Manufacturers in China
- Competitive Landscape of China CCL Market, 2014-2015
- Operating Revenue of Chinese CCL Manufacturers (by Product)

- China CCL Market Price Trends, 2011-2020E
- China (Mainland) Copper Clad Laminate Imports and Exports, 2011-2016
- Structure of China (Mainland) CCL Import Volume (by Country/Region), 2013-2015
- Structure of China (Mainland) CCL Import Value (by Country/Region), 2013-2015
- Structure of China (Mainland) CCL Export Volume (by Country/Region), 2013-2015
- Structure of China (Mainland) CCL Export Value (by Country/Region), 2013-2015
- Classification and Application of Copper Foil
- Comparison between Rolled Copper Foil and Electrolytic Copper Foil
- Structure of Thick CCL Costs
- Structure of Thin CCL Costs
- Global Copper Foil Capacity, 2015-2020E
- Global PCB/CCL Copper Foil Capacity, 2015-2020E
- Global PCB/CCL Copper Foil Demand, 2015-2020E
- Structure of Global Copper Foil Demand (by Product), 2015/2020E
- Output of Major Global Copper Foil Producers, 2014-2015
- Global Lithium Battery Copper Foil Capacity, 2015-2020E
- Global Lithium Battery Copper Foil Demand, 2015-2020E
- Output of Copper Foil in China, 2009-2020E
- Output of Electrolytic Copper Foil in China, 2014-2020E
- Structure of Copper Foil Output in China (by Product), 2012-2016
- Price of Electrolytic Copper Foil in China, 2014-2020E
- Output of Lithium Battery Copper Foil in China, 2014-2020E
- Demand for Lithium Battery Copper Foil in China, 2015-2020E
- Capacities and Production Expansion Plans of Major Lithium Battery Copper Foil Manufacturers in China, 2015
- Cost of PCB Costs
- Output Value and Growth Rate of Global PCB Industry, 2009-2020E



- Output Value of PCB Industry in China, 2010-2020E
- Structure of Global PCB Output Value (by Region), 2006/2015/2020
- Structure of Global PCB Output Value (by Product), 2012-2016
- Distribution of China PCB Industry
- Major International Producers of PCB Industry
- Competitive Landscape of Global PCB Market, 2015
- Capacities of Major PCB Vendors in China, 2015
- Automotive Electronics as a Percentage in Vehicle Costs, 2015
- Total Number of 4G Base Station Constructions in China, 2015-2016
- Global Marketing Outlets of Hitachi Chemical
- Net Revenue and Net Income of Hitachi Chemical, FY2009-FY2016
- Distribution of Hitachi Chemical's Subsidiaries Worldwide
- Revenue Structure of Hitachi Chemical (by Product), FY2013-FY2015
- Revenue Breakdown of Hitachi Chemical (by Region), FY2008-FY2015
- Major R&D Centers of Hitachi Chemical
- R&D Cost Structure of Hitachi Chemical (by Product), FY2012-FY2014
- CCL Business Revenue of Hitachi Chemical, 2011-2016
- Global CCCL Product Marketing Network of Hitachi Chemical
- Marketing Outputs of Hitachi Chemical in China
- CCL Subsidiaries of Hitachi Chemical in China
- Revenue and Net Income of Rogers, 2009-2016
- Revenue Breakdown of Rogers (by Product), 2013-2016
- Revenue Structure of Rogers (by Region), 2013-2015
- CCL Business Revenue of Rogers, 2011-2016
- CCL Business Revenue of Isola, 2011-2016
- Global Marketing Network of Isola Group

- CCL Business Revenue of Panasonic Electric Works, 2011-2016
- CCL Business Revenue and Growth Rate of Panasonic Industrial Devices Materials (Suzhou), 2011-2015
- Revenue and Net Income of Kingboard Chemical, 2007-2016
- Revenue Structure of Kingboard Chemical (by Product), 2012-2015
- Revenue Structure of Kingboard Chemical (by Region), 2012-2015
- Gross Profit and Gross Margin of Kingboard Chemical, 2008-2016
- Categories of Major CCL Products of Kingboard Chemical
- CCL Sales Volume of Kingboard Chemical, 2010-2016
- CCL Business Revenue and Growth Rate of Kingboard Chemical, 2008-2016
- CCL Business Revenue Structure of Kingboard Chemical (by Product), 2012-2016
- Major CCL Production Plants/Companies of Kingboard Chemical
- Ownership Structure of Shengyi Technology, 2016
- Revenue and Net Income of Shengyi Technology, 2009-2016
- Revenue Breakdown of Shengyi Technology (by Product), 2012-2016
- Revenue Structure of Shengyi Technology (by Region), 2012-2016
- Gross Margin of Shengyi Technology (by Product), 2010-2016
- Categories of Major CCL Products of Shengyi Technology
- CCL Output and Sales Volume of Shengyi Technology, 2009-2016
- CCL Business Revenue and Growth Rate of Shengyi Technology, 2009-2016
- Structure of CCL Sales Volume of Shengyi Technology (by Product), 2016
- Major CCL Production Bases, Output and Sales Volume of Shengyi Technology, 2015
- Ownership Structure of Goldenmax International Technology, 2016
- Revenue and Net Income of Goldenmax International Technology, 2009-2016
- Revenue Structure of Goldenmax International Technology (by Product), 2012-2016
- Revenue Structure of Goldenmax International Technology (by Region), 2012-2016
- Gross Margin of Goldenmax International Technology (by Product), 2010-2016

- CCL Output and Sales Volume of Goldenmax International Technology, 2010-2016
- CCL Business Revenue and Growth Rate of Goldenmax International Technology, 2010-2016
- Major CCL Production Bases of Goldenmax International Technology, 2015
- Ownership Structure of Guangdong ChaoHua Technology, 2016
- Revenue and Net Income of Guangdong ChaoHua Technology, 2008-2016
- Revenue Structure of Guangdong ChaoHua Technology (by Product), 2012-2016
- Revenue Structure of Guangdong ChaoHua Technology (by Region), 2013-2016
- Gross Margin of Guangdong ChaoHua Technology (by Product), 2010-2016
- CCL Output and Sales Volume of Guangdong ChaoHua Technology, 2011-2015
- CCL Business Revenue and Growth Rate of Guangdong ChaoHua Technology, 2008-2016
- Global Marketing Outlets of ITEQ Corporation
- Revenue and Net Income of ITEQ Corporation, 2010-2016
- Revenue Structure of ITEQ Corporation (by Product), 2012-2016
- Revenue and Growth Rate of Copper Clad Laminate Business of ITEQ Corporation, 2011-2016
- Structure of Copper Clad Laminate Output of ITEQ Corporation, 2015
- Ownership Structure of Guangdong Goworld, 2016
- Revenue and Net Income of Guangdong Goworld, 2009-2016
- Revenue Structure of Guangdong Goworld (by Product), 2012-2016
- Revenue Structure of Guangdong Goworld (by Region), 2012-2016
- Gross Margin of Guangdong Goworld (by Product), 2011-2016
- CCL Output and Sales Volume of Guangdong Goworld, 2011-2015
- CCL Business Revenue and Growth Rate of Guangdong Goworld, 2011-2015
- Ownership Structure of Zhejiang Huazheng New Material, 2015
- Revenue and Net Income of Zhejiang Huazheng New Material, 2011-2015
- Major Customers of Zhejiang Huazheng New Material
- Major Suppliers of Zhejiang Huazheng New Material

- Major CCL Subsidiaries of Zhejiang Huazheng New Material
- CCL Output and Sales Volume of Zhejiang Huazheng New Material, 2011-2015
- Revenue and Growth Rate of CCL Business of Zhejiang Huazheng New Material, 2011-2015
- Revenue and Growth Rate of Shanghai Nanya Copper Clad Laminate, 2003-2015
- CCL Business Revenue of Shanghai Nanya Copper Clad Laminate, 2011-2015
- Global Marketing Network of Elite Material
- Revenue and Net Income of Elite Material, 2010-2016
- Revenue Structure of Elite Material (by Product), 2012-2015
- Revenue Structure of Elite Material (by Region), 2013-2016
- Consolidated Gross Margin of Elite Material, 2010-2016
- CCL Production Bases and Capacity Distribution of Elite Material
- CCL Business Revenue of Elite Material, 2010-2015
- Capacities of Main Products of Changzhou Zhongying Science & Technology
- CCL Revenue of Nan Ya Plastics Corporation, 2012-2015
- CCL Output and Sales Volume of Nan Ya Plastics Corporation, 2013-2014
- Major CCL Production Bases of Nan Ya Plastics Corporation
- Global Marketing Network of Taiwan Union Technology Corporation
- CCL Production Bases of Taiwan Union Technology Corporation
- CCL Revenue and Growth Rate of Grace Electron Corp., 2011-2016
- CCL Revenue and Growth Rate of Kinpo Electronics Inc., 2011-2015
- CCL Revenue and Growth Rate of VENTEC Electronics, 2011-2015
- CCL Capacity of ChangChun Group
- Main CCL Products of Jiangsu Roda Electron Material
- Revenue of CCL Business of Jiangsu Roda Electron Material, 2013-2015

You can place your order in the following alternative ways:

1. Order online at [www.researchinchina.com](http://www.researchinchina.com)
2. Fax order sheet to us at fax number: +86 10 82601570
3. Email your order to: [report@researchinchina.com](mailto:report@researchinchina.com)
4. Phone us at +86 10 82600828/ 82601561

<b>Party A:</b>			
Name:			
Address:			
Contact Person:		Tel	
E-mail:		Fax	

<b>Party B:</b>			
Name:	Beijing Waterwood Technologies Co., Ltd (ResearchInChina)		
Address:	Room 509, Building 1+1, No.10, Caihefang Road, Haidian District, Beijing, 100080		
Contact Person:	Liao Yan	Phone:	86-10-82600828
E-mail:	<a href="mailto:report@researchinchina.com">report@researchinchina.com</a>	Fax:	86-10-82601570
Bank details:	Beneficial Name: Beijing Waterwood Technologies Co., Ltd Bank Name: Bank of Communications, Beijing Branch Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing Bank Account No #: 110060668012015061217 Routing No #: 332906 Bank SWIFT Code: COMMCNSHBJG		

Title	Format	Cost
<i>Total</i>		

Choose type of format

- PDF (Single user license) .....2,300 USD
- Hard copy ..... 2,500 USD
- PDF (Enterprisewide license)..... 3,600 USD

※ Reports will be dispatched immediately once full payment has been received.  
Payment may be made by wire transfer or credit card via PayPal.

**About ResearchInChina**

ResearchInChina ([www.researchinchina.com](http://www.researchinchina.com)) is a leading independent provider of China business intelligence. Our research is designed to meet the diverse planning and information needs of businesses, institutions, and professional investors worldwide. Our services are used in a variety of ways, including strategic planning, product and sales forecasting, risk and sensitivity management, and as investment research.

**Our Major Activities**

- *Multi-users market reports*
- *Database-RICDB*
- *Custom Research*
- *Company Search*

For any problems, please contact our service team at: