



**ICE**  
*china*  
INTERNATIONAL CONVERTING EXHIBITION

**ICE China 2021**  
**柔性卷材加工技术展**

The 7<sup>th</sup> edition of ICE China

**2021年10月19-21日**  
**深圳会展中心 (福田区老展馆)**  
Shenzhen Convention & Exhibition Center



ICE系列展 | ICE Series

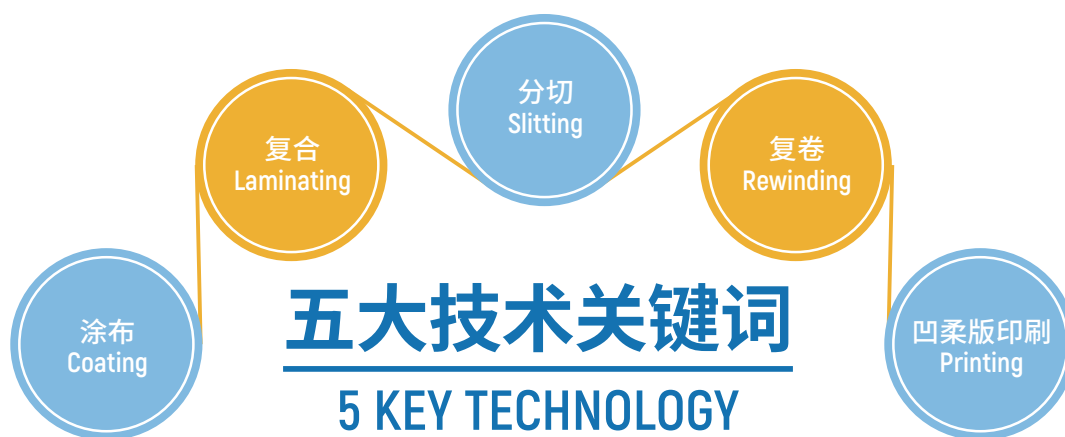


[www.film-expo.com](http://www.film-expo.com)



柔性卷材加工技术展 (ICE CHINA) 作为全球知名的 Converting 行业 ICE 系列展之一,集中展示涂布、复合、分切、复卷、模切、凹柔板印刷以及适用于薄膜、胶带、标签、纸张、金属箔、无纺布等柔软薄片材料卷对卷加工处理的先进设备和完整的技术解决方案。为来自软包装、模切加工、薄膜胶带、印刷包装、不干胶 / 标签、食品饮料、光伏锂电、汽车装配、医疗美容等各个应用领域的专业买家提供产品和技术解决方案。展会携手 ICE Europe 整合全球资源,倾力打造由产业链代理商和终端客户组成的跨国商务买家团,莅临现场集中采购。展会同期举办深圳国际薄膜与胶带展,为您提供和高端客户协同展示的平台,进而拓展全球应用市场。

As an important event in the globally renowned series of International Converting Exhibition, ICE CHINA focuses on showcasing advanced equipment and complete technology solutions for coating, lamination, slitting, rewinding, die-cutting, flexographic printing, as well as applications suitable for film, tape, label, paper, metal foil, and bonded fabric. A full range of products and turnkey solutions are presented to professional buyers from various business fields including soft-packaging, die-cutting, film and tape, printing and packaging, self-adhesive/ labelling, food and beverage, photovoltaic and lithium battery, auto accessory, medtronics and beauty-care and so on. ICE CHINA is joining force with ICE Europe to integrate global resources in order to organise a multinational buyer group consisting of industry-chain vendors and end-users to attend the China event for procurement. This together with the concurrently staged FILM & TAPE EXPO will collectively serve as an ideal business platform to support and bolster you with high-end customers and collaborative display platform, and then expand the global application market.



### 什么是Converting (柔性卷材加工技术) | What is Converting?

Converting 即,对纸品、薄膜、金属箔以及织物和无纺布等基础材料的涂布、复合加工和相关印刷,以及基于以上基材的合成材料——胶片(不干胶、纸塑、铝塑复合材料)的制造和加工。

Converting is the coating, combined working and printing of paper, film, foil, and basic materials such as fabric and non-woven fabric, and the manufacture and processing of film (adhesive, paper-plastic, aluminum and plastic laminate material), the synthetic materials that based on the above base materials.





# ICE Europe 2019 | Key facts

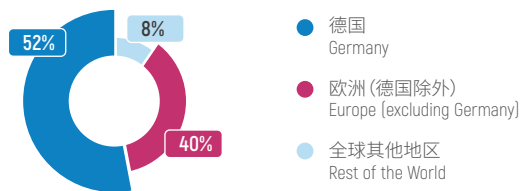
## 展后报告 | ICE Europe 2019

### 展商分析

#### Exhibitor Facts

#### 展商国家分析 | Exhibitor Origin

来自25个国家的463个参展商参展ICE Europe 2019。他们来自：  
A total of 463 exhibitors from 25 countries took part in ICE Europe 2019.  
This is where they came from:



#### 展商来自前10位的国家 | Top 10 Exhibitor Countries

- |                  |                |
|------------------|----------------|
| 德国 Germany       | 法国 France      |
| 意大利 Italy        | 荷兰 Netherlands |
| 英国 Great Britain | 中国 China       |
| 瑞士 Switzerland   | 西班牙 Spain      |
| 美国 USA           | 丹麦 Denmark     |

#### 展商反馈 | Exhibitor Feedback

**98%** 的参展商全部或部分达到了预期目标  
of exhibitors fully or partially achieved their aims

**92%** 的参展商收到过具体的业务咨询  
of exhibitors received specific business enquiries

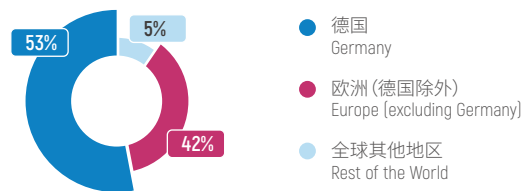
**81%** 的参展商对观众质量评价为优秀  
of exhibitors rated the visitor quality as excellent

### 观众分析

#### Visitor Facts

#### 观众国家分析 | Visitor Origin

来自75个国家的7,150个专业观众参观ICE Europe 2019。他们来自：  
ICE Europe 2019 welcomed a total of 7,150 visitors from 75 countries:



#### 观众来自前10位的国家 | Top 10 Visitor Countries

- |                |                   |
|----------------|-------------------|
| 德国 Germany     | 西班牙 Spain         |
| 意大利 Italy      | 英国 Great Britain  |
| 奥地利 Austria    | 荷兰 Netherlands    |
| 波兰 Poland      | 捷克 Czech Republic |
| 瑞士 Switzerland | 中国 China          |

#### 观众反馈 | Visitor Feedback

ICE Europe 2019 吸引了众多高质量买家  
ICE Europe 2019 attracted high profile visitors

**87%** 的专业观众会做出采购决定  
of visitors influence or make purchasing decisions

三分之一的专业观众都有明确的采购计划  
Every third visitor came with definite investment plans



## 市场展望 | Booming Market

### 薄膜 | Film

2020年 By 2020

增加值 Value added

光伏行业薄膜  
Photovoltaic film

71.1 七百亿美元  
billion \$ USD

电池行业薄膜  
Battery film

9.8 九十八亿美元  
billion \$ USD

产能 Production capacity

锂电池隔膜  
Lithium battery separator

10 一百亿平米  
billion m<sup>2</sup>

市场占有率 Market share

海水淡化反渗透膜  
Seawater desalination membrane

30% - 50%

微滤膜及超滤膜  
Seawater desalination membrane

60% - 80%

### 标签 | Label

《全球标签市场报告》显示,到2020年,全球医药标签市场需求已达到  
According to the "global label market report", by 2020 the global medical label market demand is reached

5.1 billion m<sup>2</sup>  
五十亿平方米

7.1% Average annual growth rate  
年均增长率

### 胶粘带 | Adhesive tape

NO.1



中国是世界最大的胶带生产国  
China is now the world's largest producer of tape



亚洲是PE保护膜增长最快的市场,行业发展前景看好  
Asia is the fastest growing market for PE protection film, and the industry has a good prospect.

20\$ billion

2020年光学胶带市场空间已达到200亿美元。  
The market of OCA in 2020 reached \$20 billion.

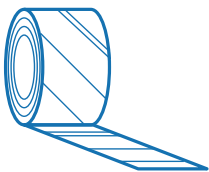
### 锂电池 | Lithium battery

2020年,我国锂电设备市场规模达  
By 2020, the market size of China's lithium battery equipment reached

180¥ billion  
一千八百亿元

## 应用领域 | User area

### 铝箔 | Aluminum foil



43,000,000 吨  
tons

中国每年消费量  
China's annual consumption

### 包装 | Package



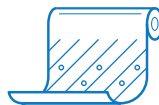
No.2

中国是全球第二大包装大国  
China is the second largest packaging country in the world

200,000

全国有20多万家包装企业  
More than 200,000 packaging enterprises in China

### 纤维加工 | Fiber processing



2020年产量  
By 2020, production capacity reached

60 million tons  
六千万吨

3.5% 增幅  
Growth rate

### 触摸屏 | Touch screen



2015-2020  
每年增长率  
Annual growth rate

13.6%

2020年中国市场价值  
By 2020, china market value reached

50.61 billion ¥  
亿元

## 展品范围 Exhibitor Profile

ICE China的展商将现场展示  
Converting柔性卷材加工的加工技术

Exhibitors at ICE China present products and services from all areas of converting

### 材料 Material

- 纸张 | Paper
- 薄膜 | Film
- 金属箔 | Foil
- 无纺布 | Nonwovens
- 织物 | Textiles
- 胶黏剂, 树脂 | Adhesives, resins
- 硅胶 | Silicones
- 基漆 | Coatings
- 油墨 | Inks
- 循环材料 | Recycle materials
- 综合材料 | Materials, other

### 涂布/复合 Coating / Laminating

- 真空镀膜/金属蒸涂  
Vacuum coating / metallizing
- 挤出式涂布 | Extrusion coating
- 硅化涂布 | Siliconising
- 基漆涂布 | Lacquering
- 热熔, 溶剂  
Hotmelt, solvent / solventless
- 水性冷胶应用设备  
Cold glue, water-based
- 复合 | Laminating
- 胶黏系统, 涂布头  
Adhesive application systems, coating heads
- 试验线 | Pilot lines, lab coating
- 涂布/复合设备  
Coating / laminating, general

### 干燥/固化 Drying / Curing

- 热风/紫外辐射/红外辐射  
Hot air / UV / IR
- 润化 | Moisturising
- 干燥/固化设备 | Drying / curing, general

### (预)处理 (Pre-)Treatment

- 等离子/电晕/火焰处理  
Plasma / corona / flame treaters
- 数据控制/电离  
Static control / ionization
- (预)处理 | (Pre-)Treatment, general

### 柔版/凹版印刷 Flexographic / Rotogravure Printing

- 印前设备 | Prepress systems
- 印刷设备 | Printing machines
- 柔版/凹版印刷  
Flexographic / rotogravure printing, general

### 控制, 调试及测量 Control, Test & Measurement

- 过程控制 (在线)  
Process control (inline measurement)
- 测量设备 (线下)  
Test & measurement equipment (offline)
- 网版引导 | Web guidance
- 网版张力控制 | Web tension control
- 光学检测, 过程控制  
Optical inspection, process control
- 缺陷检测系统 | Defect detection systems
- 印刷检测系统 | Print inspection systems
- 印刷品成像控制 | Print image inspection
- 激光技术 | Laser technology
- 非接触式长度/速度检测设备  
Non-contact length & speed measurement
- 涂料重量/厚度测量  
Coat weight / thickness measurement
- 尾气分析/渗透分析  
Gas / permeation analysers
- 控制及测量设备  
Control, test & measurements, general

### 配件 Accessories

- 驱动/自动 | Drivers / automation
- 制动/离合 | Brakes / clutches
- 涂布/复合设备组件  
Coating / laminating machine components
- 模切/压印/穿孔设备组价  
Die cutting / embossing & perforating machine components
- 干燥设备组件  
Machine components for dryers
- 分切设备组件  
Machine components for slitters
- 真空设备组件  
Vacuum machine components
- 清洁设备 | Cleaning systems
- 刀片 | Knives / blades
- 夹盘/气胀轴 | Cores chucks / airshafts
- 辊 | Rolls
- 换纸/输纸系统 | Reel & roll handing
- 搬运设备 | Handling equipment
- 配件 | Accessories, other

### 分切/复卷 Slitting / Rewinding

- 制芯机 | Core makers
- 纸管机 | Core cutters
- 横切设备 | Cross cutters / sheeters
- 经纬切割机 | Longitude cutters
- 放卷/复卷设备 | Unwinders / rewinders
- 纵切机 | Slitter rewinders
- 结合机 | Splicers / rewinders
- 车床 | Lathe slitters
- 检测设备 | Doctor machines
- 缠绕机 | Spooling
- 分切/复卷机 | Slitting / rewinding, general

### 后加工 Finishing

- 模切/穿孔 | Die cutting / perforating
- 压印/烫金 | Embossing / hot foil stamping
- 包装机 | Packing / packaging machines
- 折弯/折痕机 | Folding / creasing machines
- 计数器 | Counting machines
- 激光技术 | Laser technology
- 后加工 | Finishing, general

### 半成品 (Semi)Finished Products

- 自黏带 | Self-adhesive tapes
- 胶片 | Films
- 标签 | Labels
- 配件 | Accessories

### 工厂处理 Factory Management

- 废料回收/循环 | Waste removal / recycling
- 废气处理/溶剂回收  
Waste gas treatment / solvent recovery
- 除粒/湿度控制  
Particle removal / moisture control
- 加湿设备 | Humidifiers
- 网版除尘 | Web de-dusting machines
- 工厂管理 | Factory management, general

### 翻新/设备升级 Retrofitting / Machine Upgrades

### 生产过程控制 Control of Production Processes

- 自动化 | Automation
- 数字化 | Digitalization
- 信息技术和软件 | IT & Software

### 服务, 信息及交流 Services, Information & Communication

- 咨询服务 | Service & consulting
- 研发 | Research & development
- 商业及技术出版物  
Trade & technical publications
- 协会 | Associations



## 观众范围 | Visitor Profile

ICE China将邀请各个相关行业的高管、决策层、经理、工程师和技术专家来到现场

ICE China addresses managing directors, company owners, directors, engineers, CEOs as well as plant and technical managers from a wide range of industries:

包装行业 | Packing

纸品 | Paper

化学行业 | Chemical Industry

电子行业 | Electronics

装饰/家具 | Decoration / Furniture

农业 | Agriculture

滤膜 | Membrane

制药/保健品/医疗 | Pharma / Healthcare / Medical

塑料 | Automotive

工程 | Engineering

汽车行业 | Automotive

循环 | Recycling

航空 | Aviation

不干胶/标签 | Adhesive / label

光学薄膜 | Optical thin film

印刷行业 | Printing

织物/无纺布生产 | Textiles / Nonwovens

食品/饮料 | Food / Beverage

建筑 | Building / Construction

湿巾 | Wipes

胶带 | Tape

锂电池 | Lithium battery



胶粘带  
Adhesive Tape



光学膜/保护膜  
Optical Film



铝箔  
Aluminum Film



利乐包  
Tetra Pack



汽车仪表盘印制  
Car Explosion-proof Film



锂电池  
Lithium Battery



壁纸  
Wallpaper



食品包装  
Food Packaging



纺织品/无纺布  
Textiles / Nonwovens

## 为何参展 | Why ICE China

- ◆ 全球Converting行业知名展ICE Europe中国姐妹展，专注于柔性卷材加工技术的专业展会  
China's sister event of ICE Europe, the world's largest converting exhibition. China's first professional exhibition focusing on converting, showing all the technologies of the converting industry
- ◆ 关注材料的可持续性和绿色生产，加快产业转型升级  
Focus on material sustainability & green production and accelerate industrial transformation and upgrading
- ◆ 与40,000名潜在买家有效互动，建立高质量的商业联系  
Interact effectively with 40,000 potential buyers to establish high quality business connections

- ◆ 展前、展中、展后，系统专业的线上线下买家配对服务，直面新客户  
Systematic and professional matchmaking services spanning pre-show, at-show and post-show directly target new customers
- ◆ 360度全方位多渠道的持续宣传，立体呈现展商风采，构建品牌传播力  
Multi-channels three-dimensionally, comprehensive & continuous marketing support to present exhibitor highlights and construct brand influence
- ◆ 洞察市场趋势，与国际企业同台展示，激发全球性的技术碰撞  
Gain insights into market trends, demonstrate on the same stage with international enterprises, inspire global technology collisions

## 同期展会 | Concurrent Events

### 五展联动, 上下产业链资源共享, 无缝联接

Five exhibitions linkage, covers the entire value chain of upstream and downstream industry chain resources sharing, seamless connection

国际薄膜与胶带展  
FILM & TAPE  
深圳国际薄膜与胶带展  
FILM&TAPE EXPO

IATE  
深圳国际胶粘带展  
深圳国际胶粘带展  
INTERNATIONAL  
ADHESIVE TAPE EXPO

国际全触与显示展  
C-TOUCH & DISPLAY  
深圳国际全触与显示展  
C-TOUCH & DISPLAY SHENZHEN

COMMERCIAL  
DISPLAY  
深圳商用显示技术展  
COMMERCIAL DISPLAY  
SHENZHEN

40,000+  
专业观众 Visitors

1,000+  
海内外知名参展商 Exhibitors

60,000m<sup>2</sup>  
展示面积 Exhibition Area

## 同期活动 | Concurrent Events



- ◆ 中国模切市场与涂布技术发展论坛  
Die-cutting and Coating Market Technology Development Forum
- ◆ 深圳国际薄膜与胶带创新发展高峰论坛  
Shenzhen International Film and Tape Innovative Development Forum
- ◆ 5G新材料创新发展高峰论坛  
5G New Materials Innovation and Development Forum
- ◆ 中国消费电子胶粘材料技术与应用创新论坛  
Consumer Electronics Adhesive Materials Technology and Innovative Application Forum
- ◆ 深圳国际新型显示与触控精英峰会  
Shenzhen International Display and Touchscreen Elite Summit
- ◆ 深圳国际车载显示及智能座舱高峰论坛  
Shenzhen International Vehicle Display and Intelligent Cockpit Summit Forum

## ICE全球系列展 | International converting exhibition series



在 Converting 柔性卷材加工行业里我们有 4 个全球知名的重点展会——ICE Europe, ICE USA, ICE China 和 ICE South East Asia。其中, ICE Europe 是全球知名的 Converting 行业专业展, 在 2019 年慕尼黑闭幕的第 11 届展会上, 共有来自 75 个国家的 7150 名观众来到到巴伐利亚首府, 探索机械、系统、材料和配件。与上一届相比, 本届的参观人数增加了 4%。来自 25 个国家的 463 家参展商在 11500 平方米的净展览面积上展示了新技术新产品, 参展商数量比上届增加了 8%, 净展览面积比上届增加了 4%。

We have four major world's leading exhibition in Converting industry—ICE Europe, ICE USA, ICE China and ICE South East Asia. ICE Europe was a magnet for converting specialists from all over the world. In the 11th International Converting Exhibition in Munich, total of 7,150 visitors from 75 countries came to the Bavarian capital to discover machinery, systems, materials, and accessories. This is an increase of visitors by 4% compared to the previous event. A total of 463 exhibitors from 25 countries presented their latest technologies on a net exhibition space of 11,500 m<sup>2</sup>, setting records with an 8% increase in exhibitor numbers and a 4% increase in net exhibition space compared to the previous event.

### 主办方 | Organiser



上海励扩展有限公司, 是由励展博览集团和上海扩展展览服务有限公司于 2015 年在中国组建的合资公司, 是励展博览集团在华的九家出色成员公司之一。目前公司每年在深圳举办多场行业展会, 其中包括广为人知的深圳国际全触与显示展 (C-TOUCH & DISPLAY SHENZHEN)、深圳商用显示技术展 (COMMERCIAL DISPLAY)、深圳国际薄膜与胶带展 (FILM & TAPE EXPO)、柔性卷材加工技术设备展 (ICE China) 和深圳国际胶粘带展 (IATE)。除了将展会打造成一站式采购和体验专业平台外, 展会同期还将举办二十余场特色主题高峰论坛活动, 面向来自触控显示、消费电子、商用显示、汽车电子、医药日化、智能家居、工控、

印刷包装、标签等领域的海内外专业观众及买家展示前沿产品及技术解决方案, 积极推动中国乃至全球智慧触控与新型显示行业的蓬勃发展。

Reed Exhibitions Kuozhan is a joint venture company between Reed Exhibitions and Kuozhan Exhibition Services (Shanghai) Limited incorporated in 2015 as one of our nine most outstanding subsidiaries in China. The company has been staging a number of annual trade shows in Shenzhen, including the widely popular C-TOUCH & DISPLAY SHENZHEN, COMMERCIAL DISPLAY, FILM & TAPE EXPO, ICE China, and IATE. In addition to presenting these exhibitions as one-stop specialised procurement platforms for industry professionals, over twenty other summit forum activities are also concurrently presented. These are organised with individual themes oriented toward introducing cutting-edge products and technology solutions to professional audience from home and abroad in fields covering touchscreen and display panel, consumer electronics, commercial display, automotive electronics, pharmaceuticals and domestic chemical products, smart home, industry control, printing and packaging, labelling and so forth. We are dedicated to proactively promoting burgeoning development for the smart touch and new display industry in China and the rest of the world.



### 联系方式 | Contacts



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#### 参展咨询 For Exhibit

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#### 参观咨询 For Visit

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