



电子元件组装机事业介绍

Electronics Assembly Equipment Division Introduction



FUJI MACHINE MFG. CO., LTD.



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社 名 富士機械製造株式会社

Official company name: Fuji Machine Manufacturing Co., Ltd.

創 立 1959年4月

Established: April, 1959

代表者 代表取締役社長

曾我 信之

Representative: Nobuyuki Soga, President & CEO

事業内容 ・工作機械事業

Business: Machine Tools Division

・電子元件組装机事業

Electronics Assembly Equipment Division

売上高 86,642百万円

Sales: 86,642 million JPY (consolidated)

社員数 2,108名

Employees: 2,108

拠点 知立、岡崎、豊田

Locations: Chiryu, Okazaki, Toyota



innovative spirit





不断创新“世界最新机器” *innovative spirit*

Developing machines the like of which the world has never seen



1959

作为机床制造商创业
1号机一举成为行业宠儿

Established as a machine tools manufacturer
First machine developed soon became an industry favorite



1971

向新领域挑战
开始生产自动组装机

Breaking into new fields
Developed our first automated assembly machine



1978

进入印刷电路板组装行业
完成电子元件自动插入机BA

Entered the PCB assembly field
Developed the automatic electric part insertion machine - BA



1985

完成世界首创的
影像识别型高速贴片机 CP-II

Developed the first high-speed chip placer with vision processing technology - CP-II



不断创新“世界最新机器” *innovative spirit*

Developing machines the like of which the world has never seen



1994

完成0.09秒/个的
超高速贴片机 CP-6

Achieved a placement speed of 0.09 seconds per part
Developed the ultra high-speed placement machine - CP-6



2003

完成模组型高速多功能
贴片机NXT

Fuji Scalable Placement Platform
Developed the NXT



2011

完成模组型自动组装机
sFAB

Modular Type Multi-purpose Automated
Fabrication Machine
Developed the SmartFAB



2013

完成实现了35,000CPH $\pm$ 25 μ
的模组型贴片机NXTIII

Achieved 35,000 cph at $\pm$ 25 μ m
Developed the NXT III



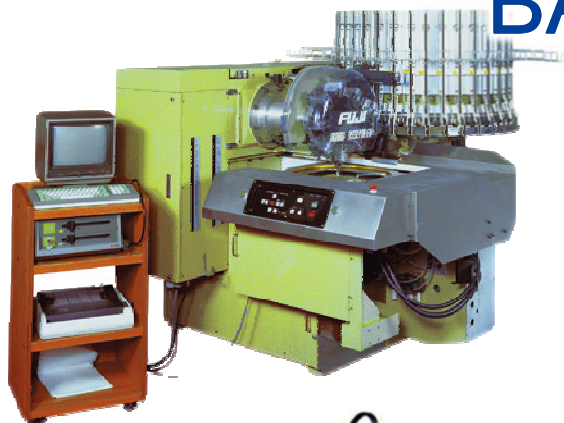
始终引领行业发展 Keeping ahead as an industry leader

1978

高密度贴装

High density placement

BA



1986

影像处理

Vision processing

CP II



2003

真正的模组机

A truly modular machine

NXT



理念、先进性、实绩受到高度评价

A great track record with concepts, innovation, and proven results

2016年度 全国发明表彰 文部科学大臣奖 得奖

Fuji's compact modular mounters won the 2016 National Invention Award presented by the Japanese Minister of Education, Culture, Sports, Science and Technology.



2014年 第6次机器人大奖 得奖

The winning robot in the 6th Robot Awards, 2014

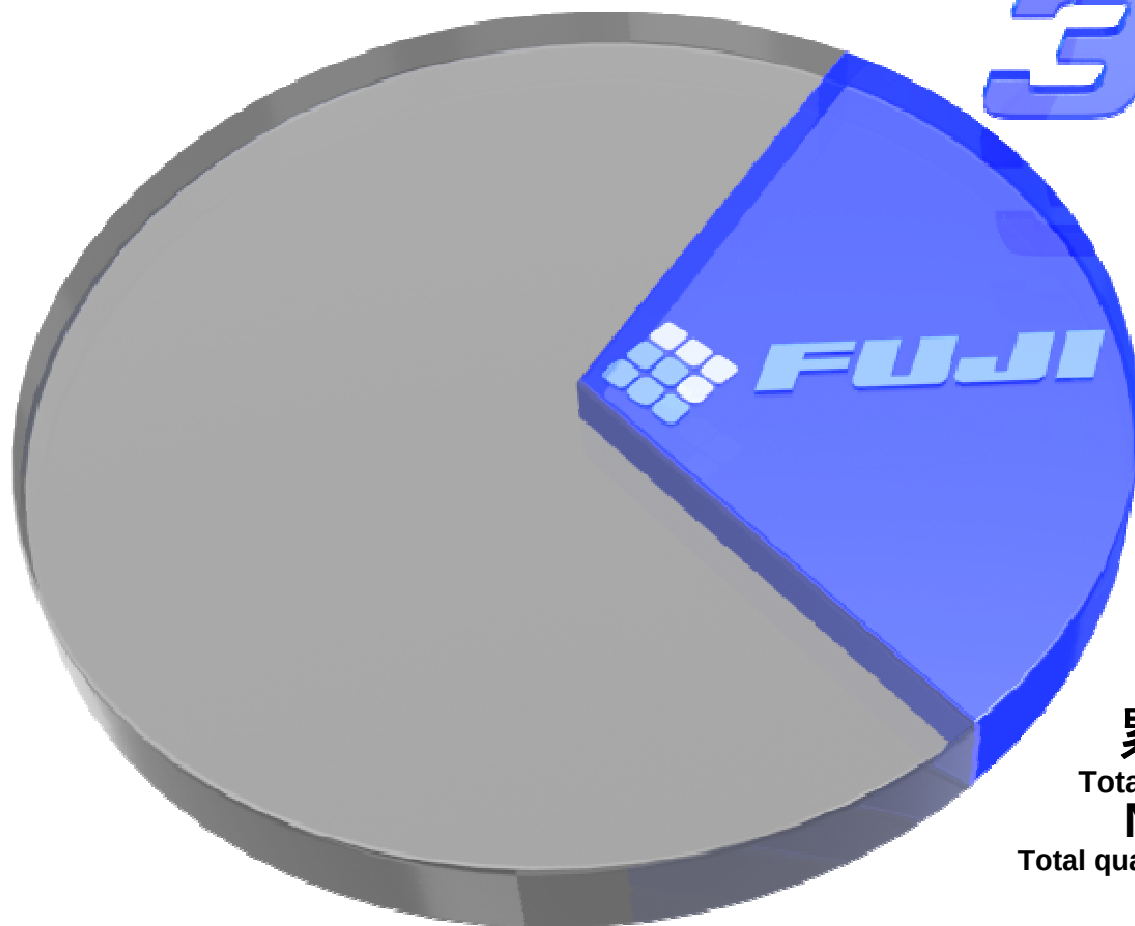


行业顶级的技术能力和市场占有率 No1.

Best technology in the industry. Top market share in the world

行业第一的市场占有率
Highest share of the market

30%



累计出厂：88,000台

Total quantity of machines shipped: 88,000

NXT系列：60,000台

Total quantity of NXT series machines shipped: 60,000

2017年2月弊社調べ

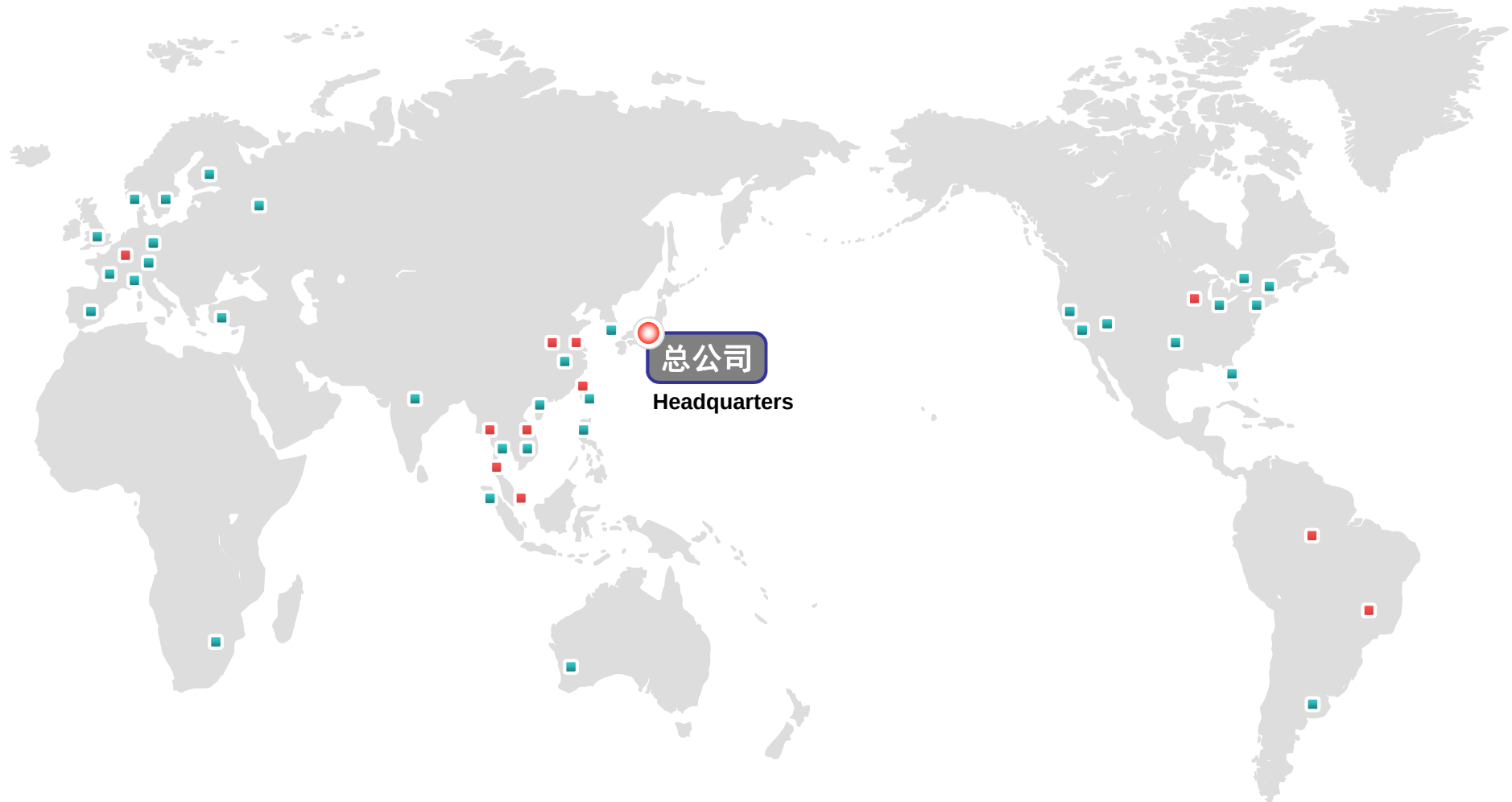
Numbers current as of February 2017, based on investigations by our department



海外共45据点和500名人员的售后服务网络

Internationally: 45 offices with a support and service network of 500 people

- FUJI系列・驻在员办事处 ■ Fuji offices and subsidiaries
- 代理店 □ Agents





产品介绍 Product lineup

机器人应用事业本部的主要产品

Main products from our Robotic Solutions Division



NXT-H



NXTIII



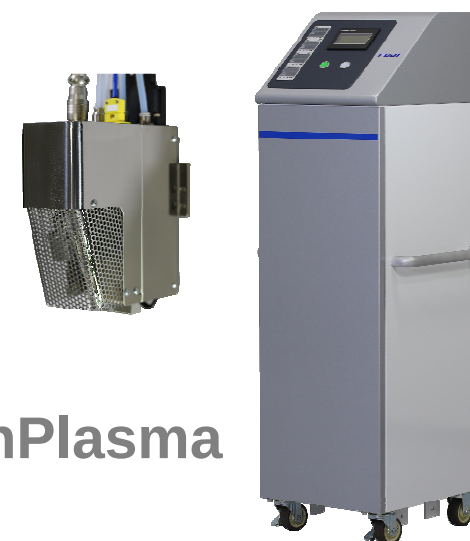
AIMEXIII



GPX-C



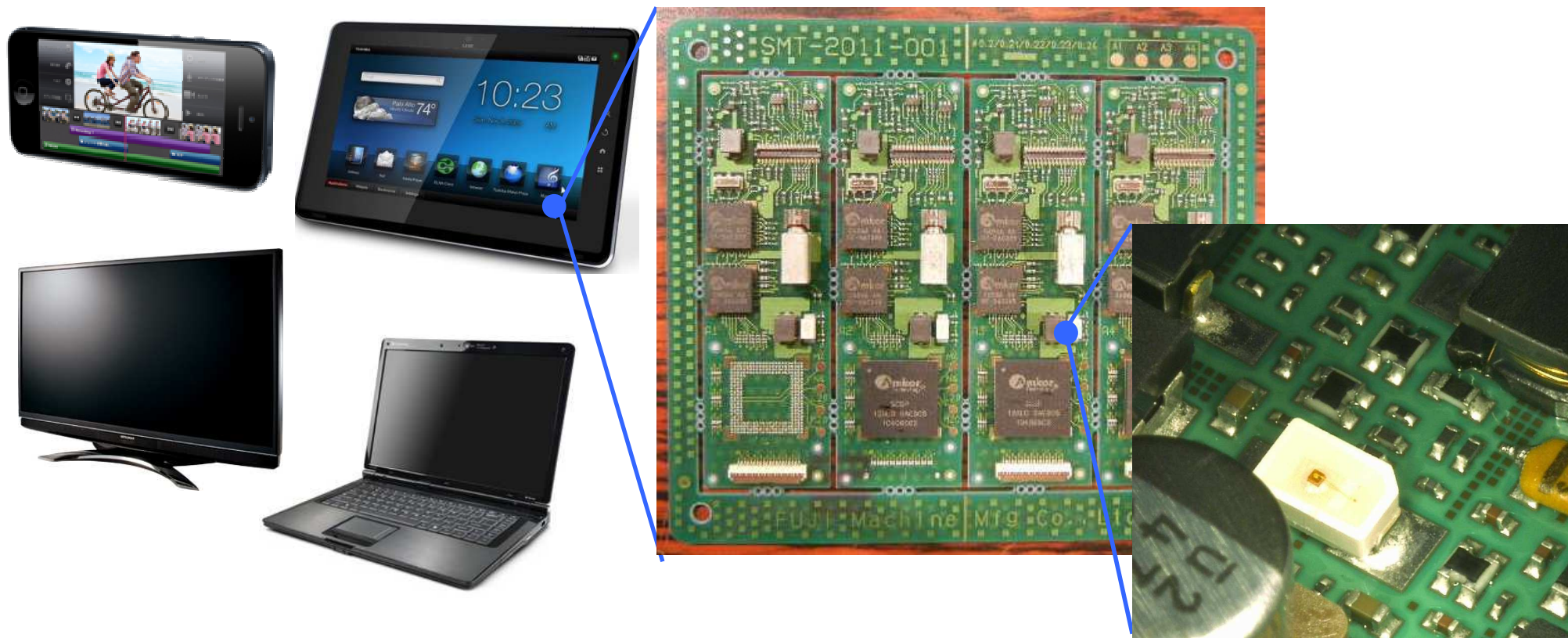
SmartFAB-D



ToughPlasma

电子元件自动贴片机的介绍

Electronic component mounters



是一种将各种电子元件贴装到印刷电路板上的装置(机器人)。

A robotic machine which arranges various types of electronic components on printed circuit boards.

普遍使用在智能手机、平板电脑、平面电视等制造工序中。

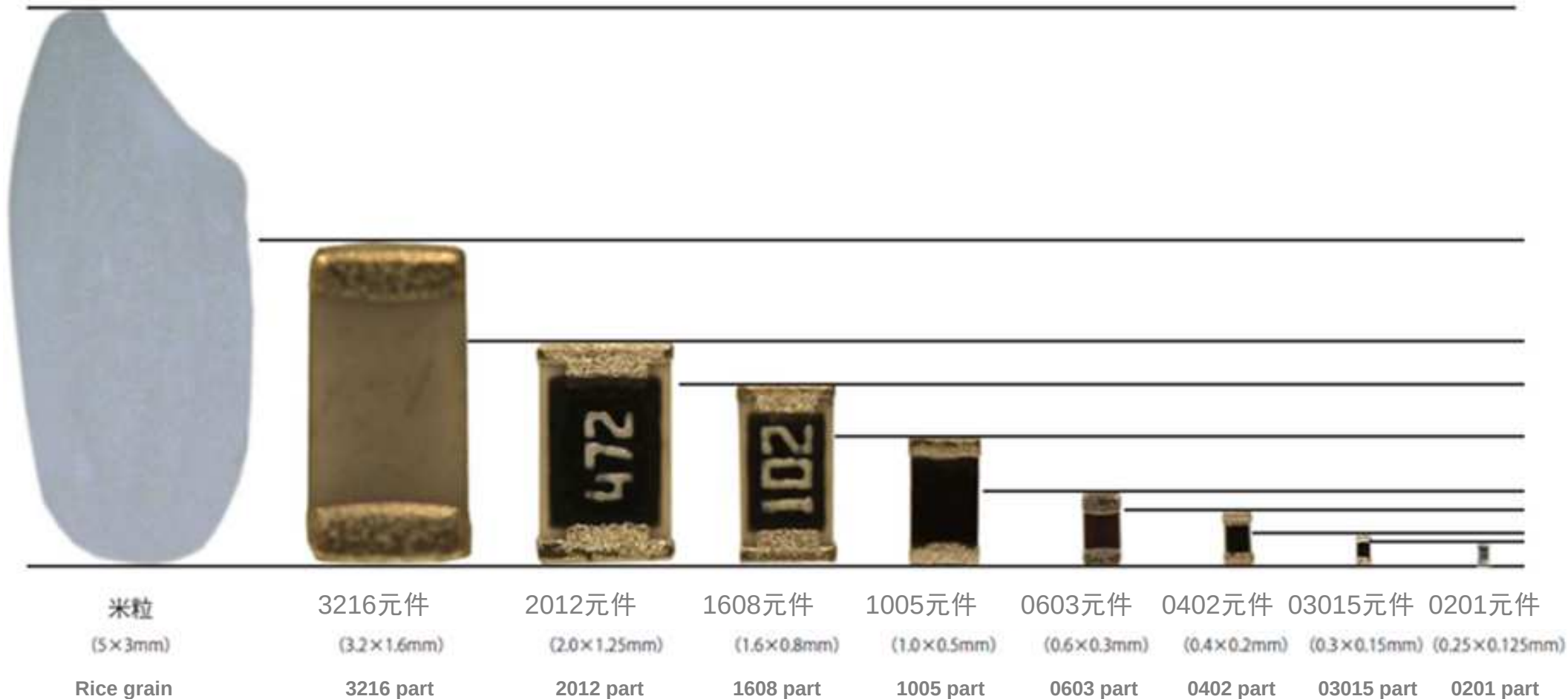
Used in the manufacturing of smart phones, tablets, flat-screen TV's, and more

电子元件自动贴片机的介绍

Electronic component mounters

用于智能手机等的
0.25mm×0.125mm的最小元件

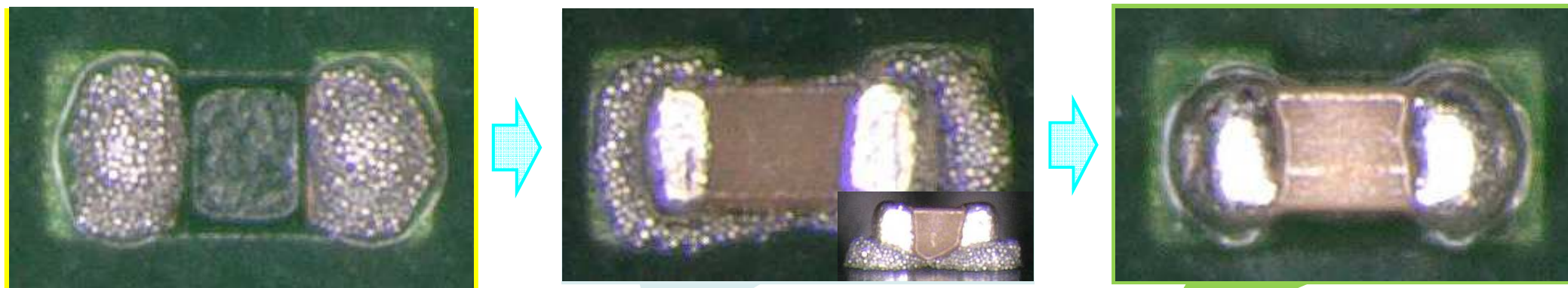
The smallest parts currently in use in products such as smart phones measure just 0.25 x 0.125 mm.



电子元件自动贴片机的介绍

Electronic component mounters

SMT（表面贴装）生产线 Surface mounting technology (SMT) line



锡膏印刷

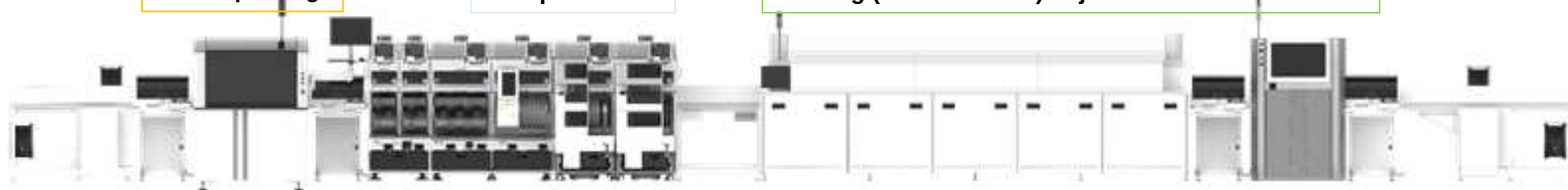
Solder printing

元件贴装

Part placement

加热（锡膏熔化）后接合

Heating (to melt solder) to join the connections



印刷机

Printer

贴片机

Mounter

回焊炉

Reflow oven

将各种各样元件贴装在电路板的任意位置上

A variety of parts are required to be placed on PCBs in any number of positions

贴片机起到重要作用

This makes the role of mounters extremely important in manufacturing

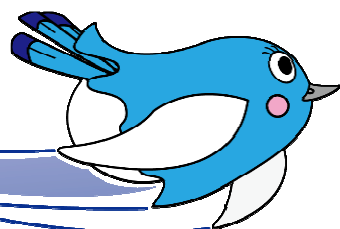
Electronic component mounters





DLF_n 模組式机床 (Modular Machine Tool)





お客様に感動を！

感动用户！ *Excite and Inspire*