

Company Profile

Make Your Making Easier





A leading supplier of open-source hardware and electronic components

10

Years of innovation

150+

Members

5000+^{m²}

Factory

Elecrow is Founded in **2014**, grows from **2 co-founders** to **150+ members** in the last 10 years. Elecrow has emerged as a prominent provider of open-source hardware and electronic components. With an extensive array of offerings, the company caters to a global clientele, delivering exceptional products and services.

Brand info



=



x



ELE

“ELE” is short for electronics

CROW

“crow” is hard-working
& one of the smartest bird

Brand Mission: **Make Your Making Easier**

Integrated company

Elecrow is a trusted and experienced company specializing in electronics design, manufacturing, marketing. With over 10 years of professional experience, we offer a wide range of high-quality products and services to customers worldwide. Elecrow is committed to innovation, quality, and affordability, and is dedicated to ensuring customer satisfaction. We relentless pursuit of technological advancement allows them to push the boundaries of what is possible in the world of electronics.



R&D



Production



Sales

One-stop Solution Provider for Makers



Open Hardware



PCB Fab



PCB Assembly



Mechanical Prototyping



Partner Selling

Elecrow is a one-stop solution provider that offers a wide range of services including manufacturing, assembly, warehousing, logistics, and co-selling services to clients. Elecrow's unwavering commitment to innovation, superior quality, and competitive pricing has established them as a reputable and dependable collaborator for makers, technology enthusiasts, and industry experts worldwide.

Main Business

Products
and
Hardware

Display/Mcu/IoT/Steam Education
/Accessories/Sensors/Crowtail

Manufacturing
and
Services

PCB Manufacturing/Assembly/3D
printing/Acrylic Laser Cutting/Sub-Assembly
& Kitting Service

Open Source Hardware Modules

Make Your Making Easier

Open
Source
Hardware

Display

STEAM
Education

IoT



Crowtail
Starter Kit for Arduino



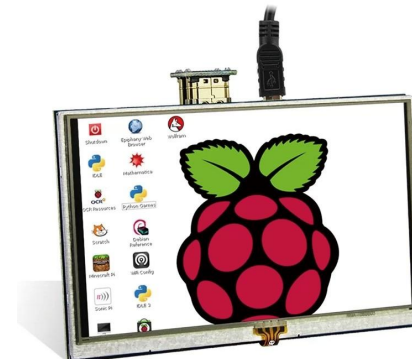
Crowtail
Starter Kit for Micro:bit



Crowtail
Starter Kit for Raspberry Pi



Meteor Screen 10.1" IPS Capacitive
Touch Screen



RR050 5 Inch Resistive Touch Screen
TFT Display for Raspberry Pi



CrowPi-Compact Raspberry Pi
Educational Kit



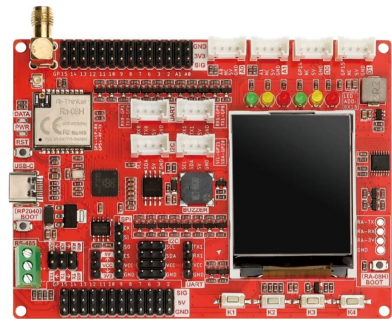
CrowPi2 All in One Raspberry Pi Laptop



Crowbits Explore Kit



Crowbits Inventor Kit



RP2040 LoRaWAN RA-08H Development Board(868Mhz/915Mhz)



ESP Terminal 3.5 inch SPI TFT capacitive touch display



Arduino Automatic Smart Plant Watering Kit

Your One-stop Hardware Upgrading Partner

Create value for customers and always put quality first

**PCB Fab
Service**

**PCB
Assmby
Service**

**3D
Printing
Service**

**Acrylic
Laser
Cutting
Service**

**Molding
Service**

**Component
Sourcing
Service**

**CNC
Milling
Service**

**Electronic
Certificates
Service**

**SubAssembly &
Kitting Service**

Everything You Need On One Platform

Upload manufacture files, get instant quotes, place orders, and track deliveries - from custom PCB assemblies to fully buit electronic products.



Mechanical Keyboard

100 + keyboard customers

QUOTE NOW

Industrial PCBA

From \$50 for 5pcs

QUOTE NOW

Smart-Home PCB

From \$160 for 5pcs

QUOTE NOW

Multilayer PCB

From \$68 for 5pcs

QUOTE NOW

PCB Fab Service

Elecrow PCB service is fast, various and affordable, well-known by worldwide makers and electronic engineers, Regular custom PCB and Premium PCB can meet your different demands.



Gerber review supported



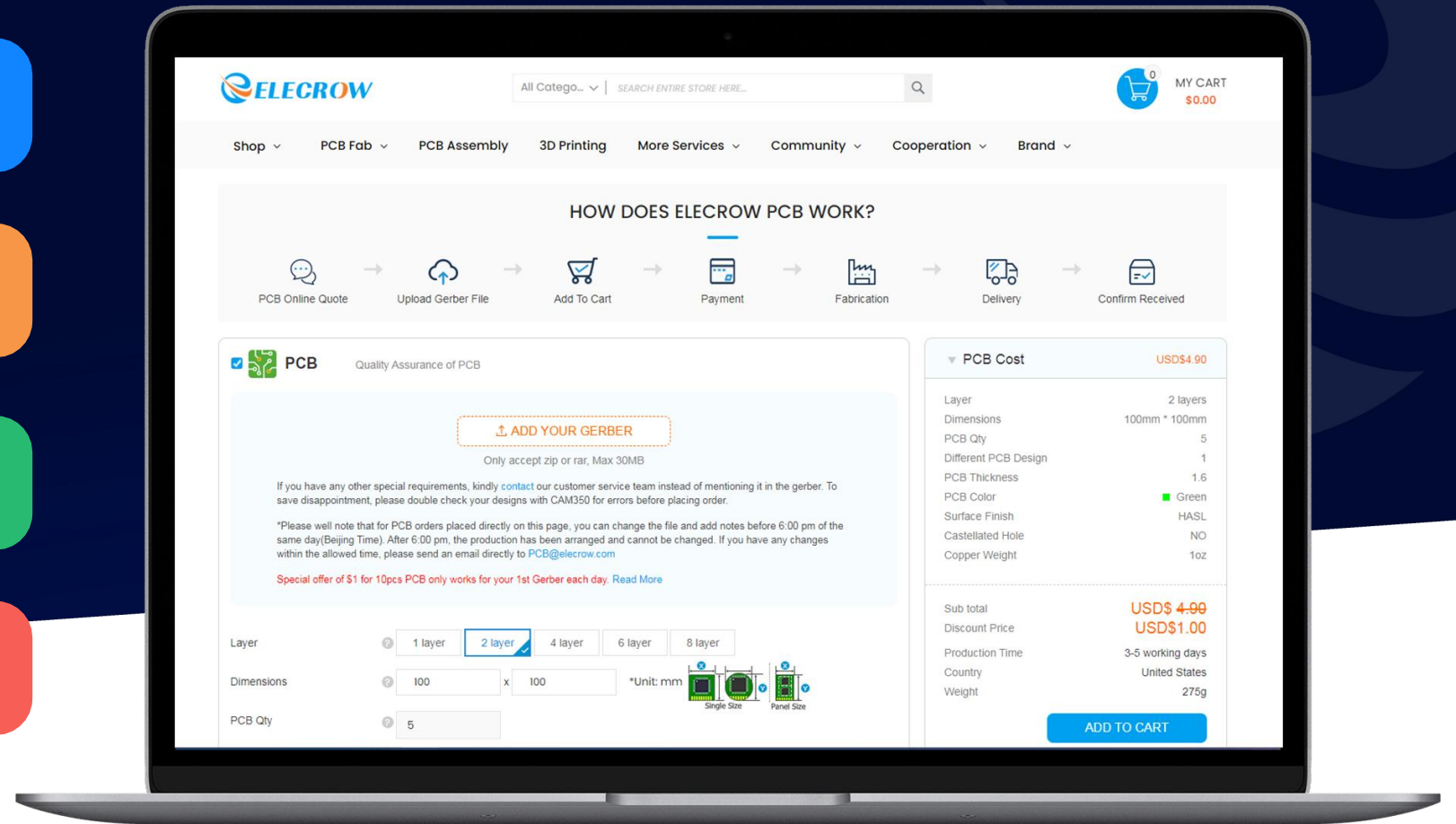
24 hours quick turn PCB prototypes

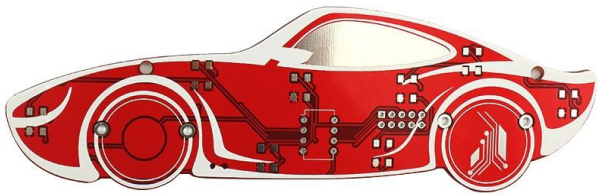


Easy ordering by Instant online quote

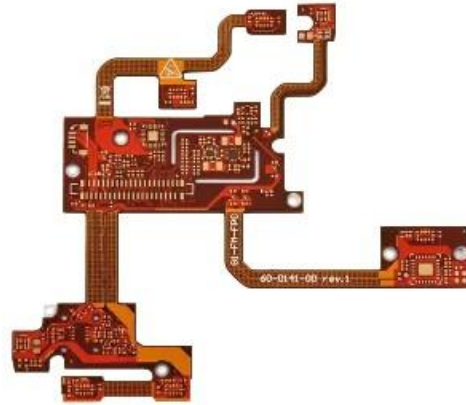


Quick customer response within 8 hours





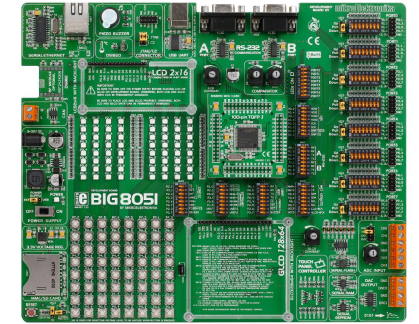
PCB Prototype



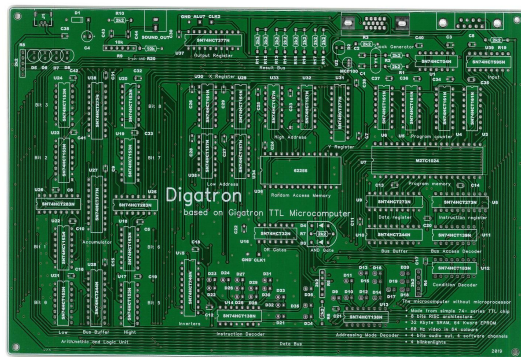
Flex, Rigid-Flex PCB



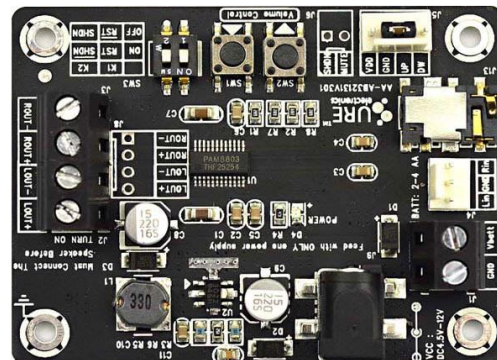
Aluminum PCB



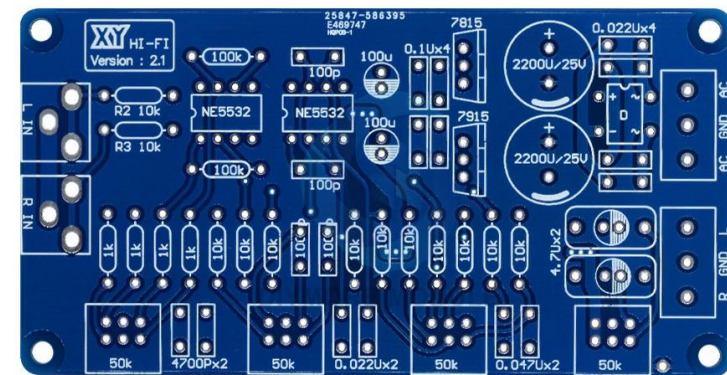
HDI PCB



Multilayer PCB



Black Core PCB



Blind Hole PCB

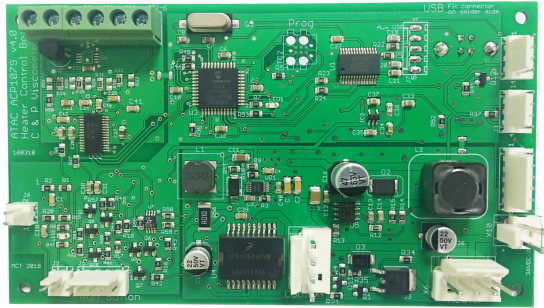
One-Stop PCB Assembly Turnkey Solution

Thousands of square meters of dust-free workshop, lead-free production process, with a number of SMT, assembly, testing production lines, equipped with a variety of new automatic production equipment, such as Samsung SMT machine, full-automatic board machine, full-automatic solder paste printing machine, reflow oven and wave-soldering oven, all in line with ROHS standards.

✓ MOQ 1pcs

✓ ISO 9001: 2015 Certification

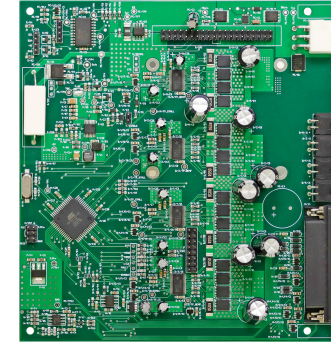
✓ RoHS



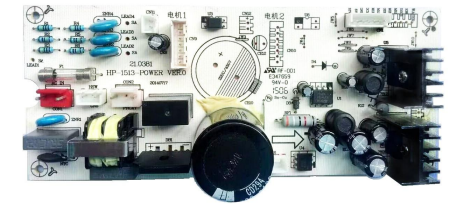
Prototype PCBA



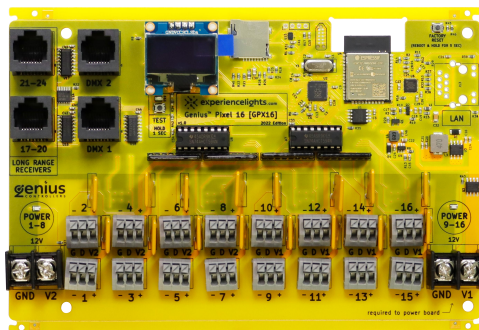
Mechanical Keyboard



Industrial PCBA



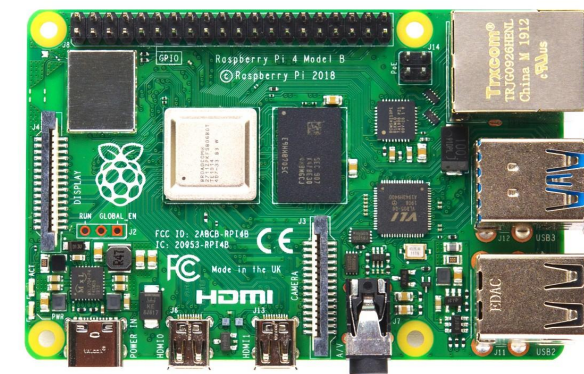
Smart-Home PCBA



IoT PCBA



New Energy PCBA



Open-Source PCBA

PCB
Assembly
Production
Process



Incoming-Quality-Control



Tin-Paste-Mixing



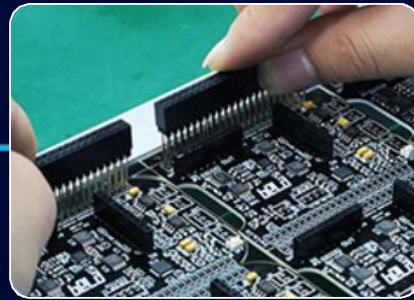
Full-Automatic
Solder-Paste-Printer



Solder_Paste_Inspection



Wave-Soldering



Manual-DIP



AOI-testing



Reflow-Welding



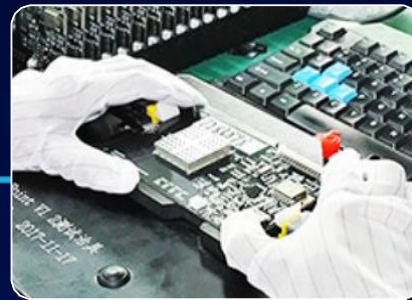
SMT



Manual-Welding



Visual-Inspection



Testing



Automatic-Dispensing



Packing

PCBA Quality Inspection Process Standard



IQC incoming inspection



SPI inspection



First-article inspection



X-Ray Inspection



Function Testing



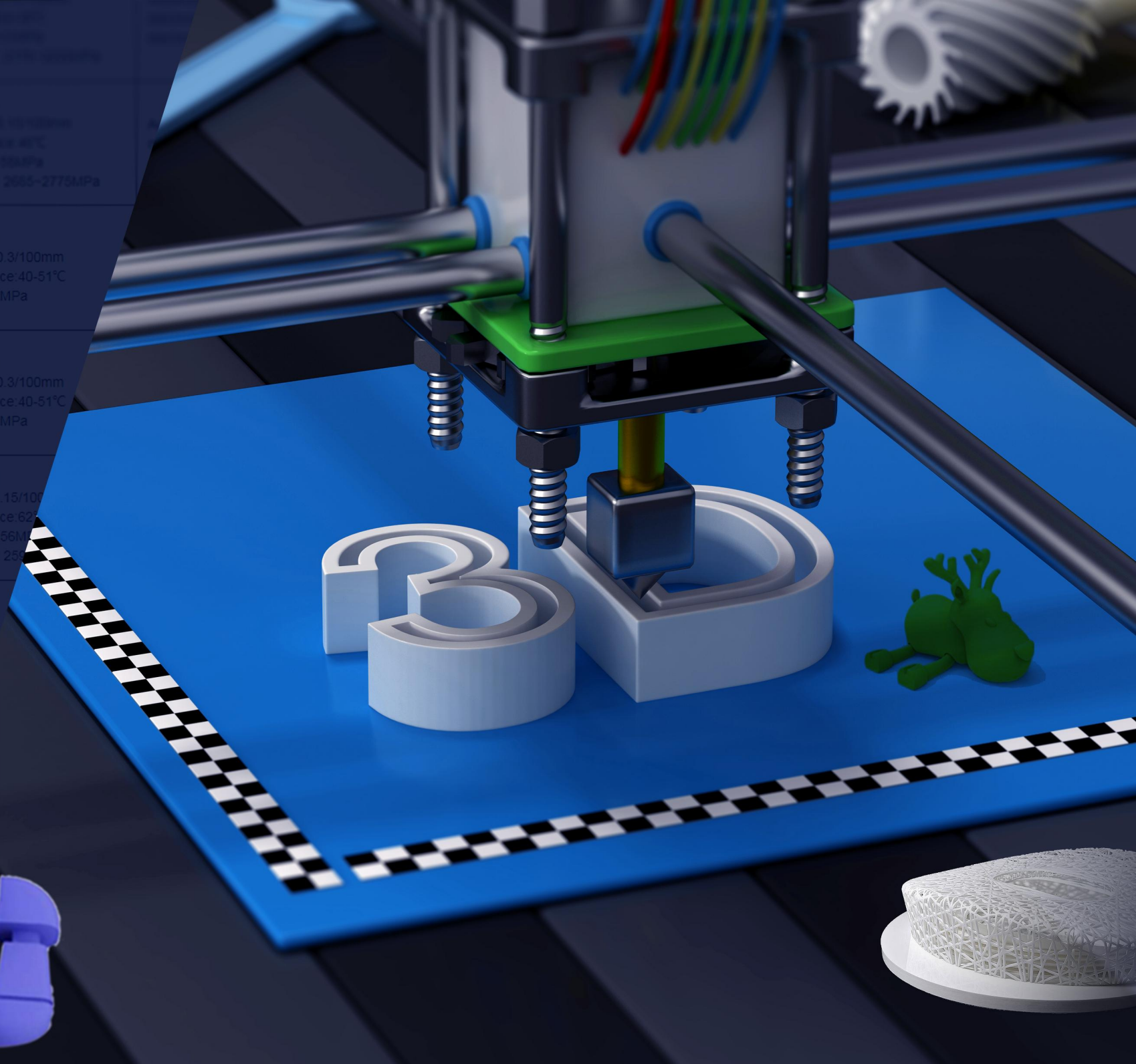
Visual Inspection



AOI Testing

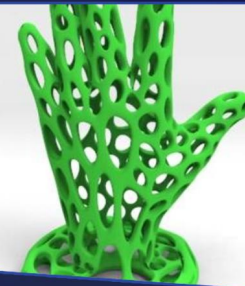
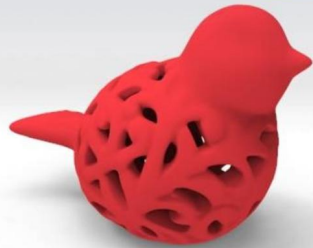
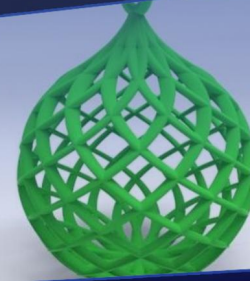
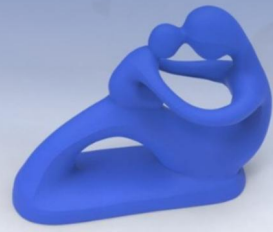
3D Printing Service

Over ten kinds of printing materials,
Low price and fast turn around time





3D Printing Service



Acrylic Laser Cutting Service

Provide various Acrylic colors which include Main colors such as transparent, black and white, also have various opaque colors and transparent colors etc.



Laser Cutting



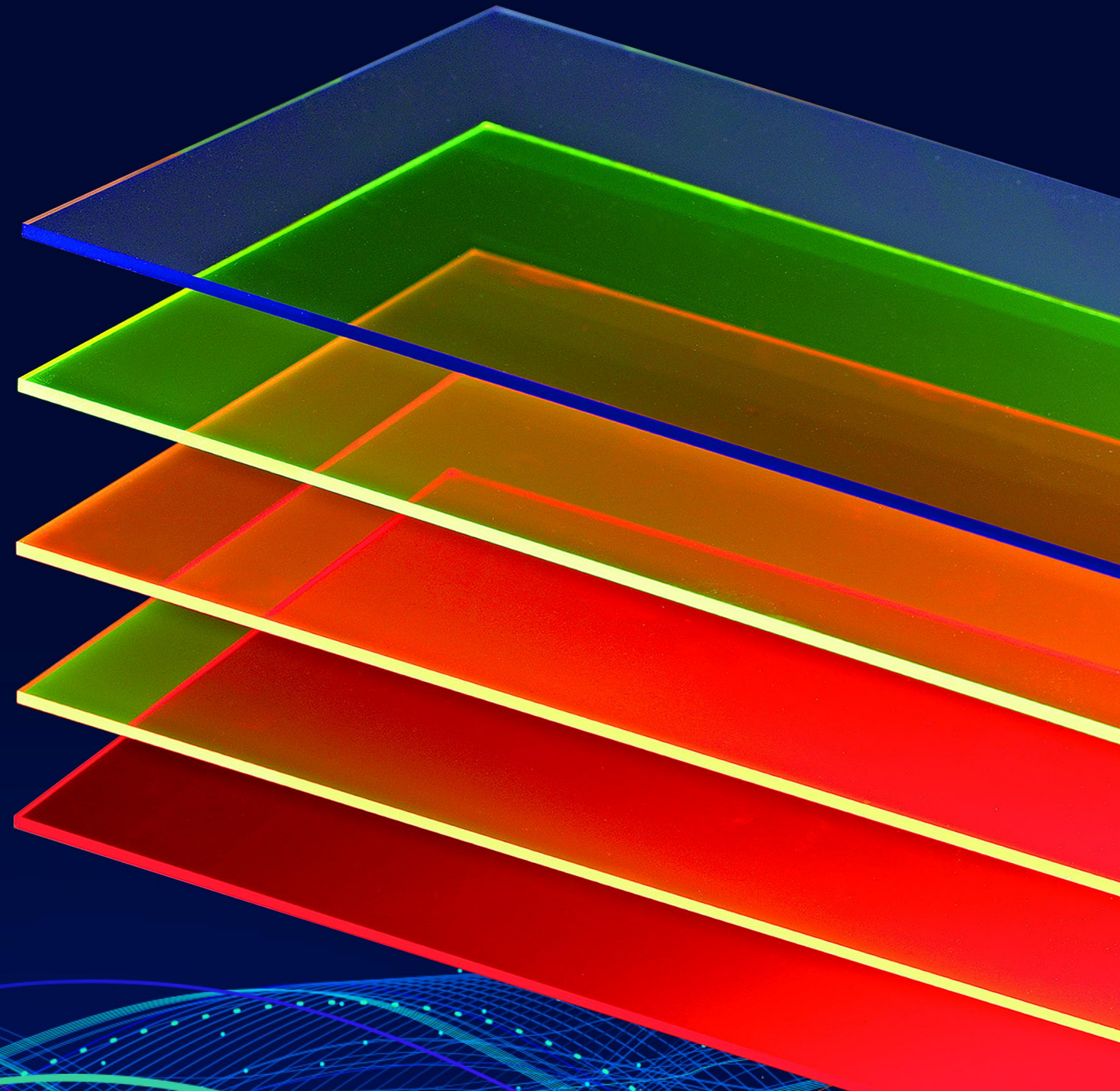
CNC Engraving



Diamond
Frosting



UV Spray
Painting





Acrylic Laser Cutting Service

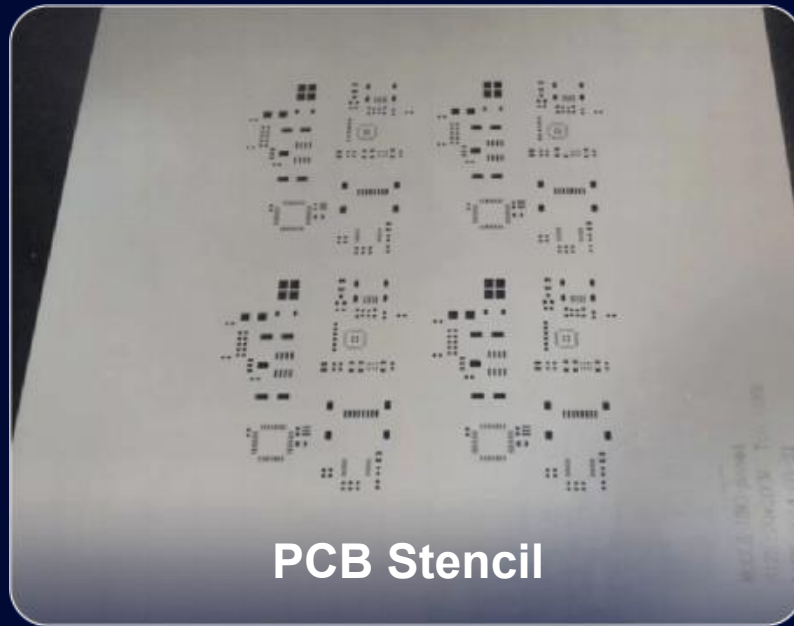


Only need to provide the drawings of the product shell and package. We will manufacture the product shells, assemble the end products for you, Shorten the time from product design to production.





Wood Laser Cutting Service



PCB Stencil



Electronic Certificates



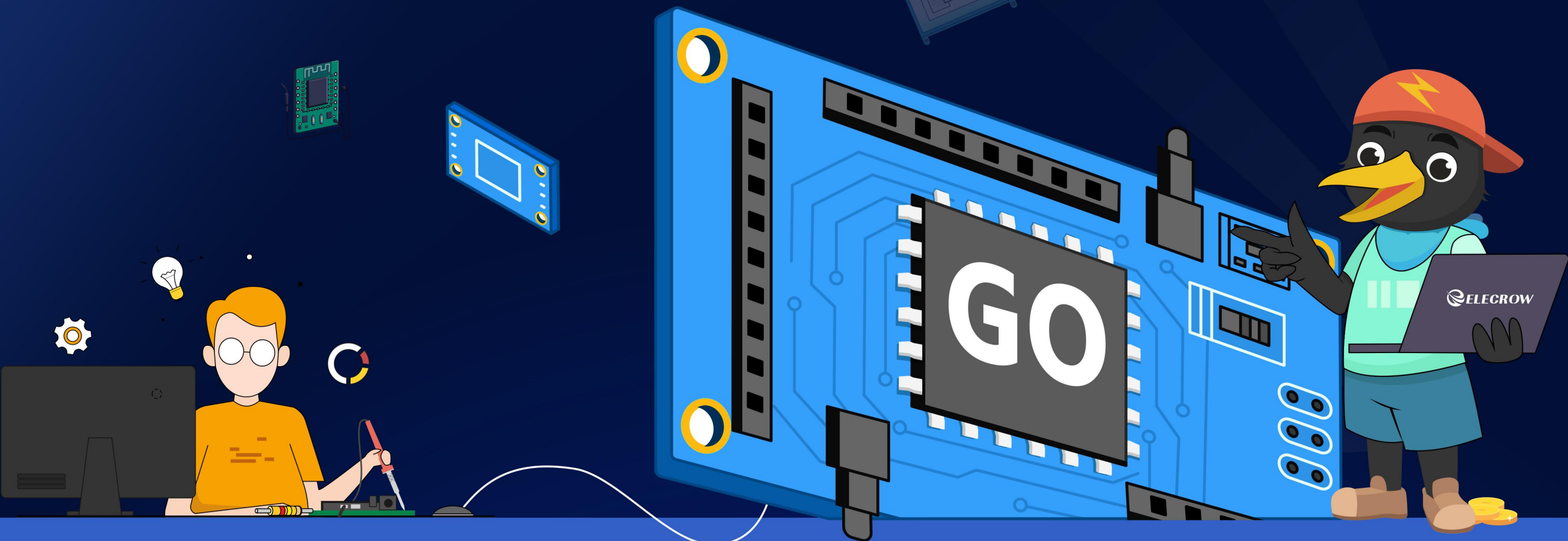
Molding Service



CNC Milling Service

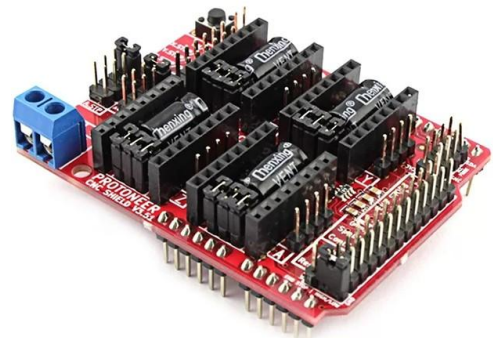
Elecrow Partner Seller Program

Elecrow welcomes anyone with a passion for creating DIY electronics and maker programs to become a partner seller, regardless of their background or experience level. Whether you are a college student, individual electronics maker, DIY electronics hobbyist, hacker, tech enthusiast, business group, startup, or even a tech novice, you can join Elecrow as a partner seller as long as you have the enthusiasm to create innovative tech projects.





Easy Pulse mikro



Arduino CNC Shield

DEEJ Physical Volume Mixer Electronics Kit



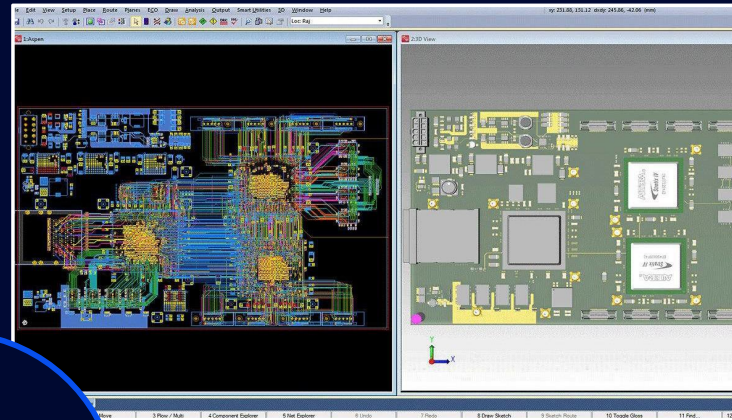
MEGO: Rechargeable 4-24V Portable
Breadboard Power Supply



Programmable relay timer
switch

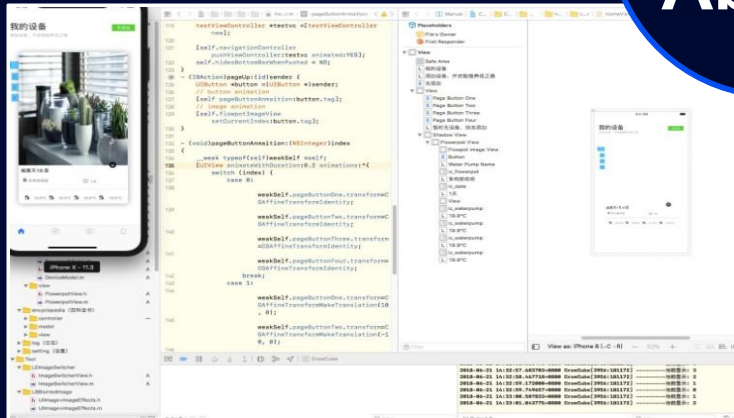


Structure Design



PCB Layout

R&D Ability



APP Development



Unique Package Design

R&D Ability

Elecrow's dedicated R&D team is constantly developing new and innovative products to better serve our customers. We are committed to providing the highest quality products and services to ensure customer satisfaction.

- Customer offers all parts
- Turn-key: All parts sourced by Elecrow
- Combo: Partial parts offered by Customer and Elecrow sourcing the rest
- Digikey/Mouser/TME/Element 14/Local electronic market

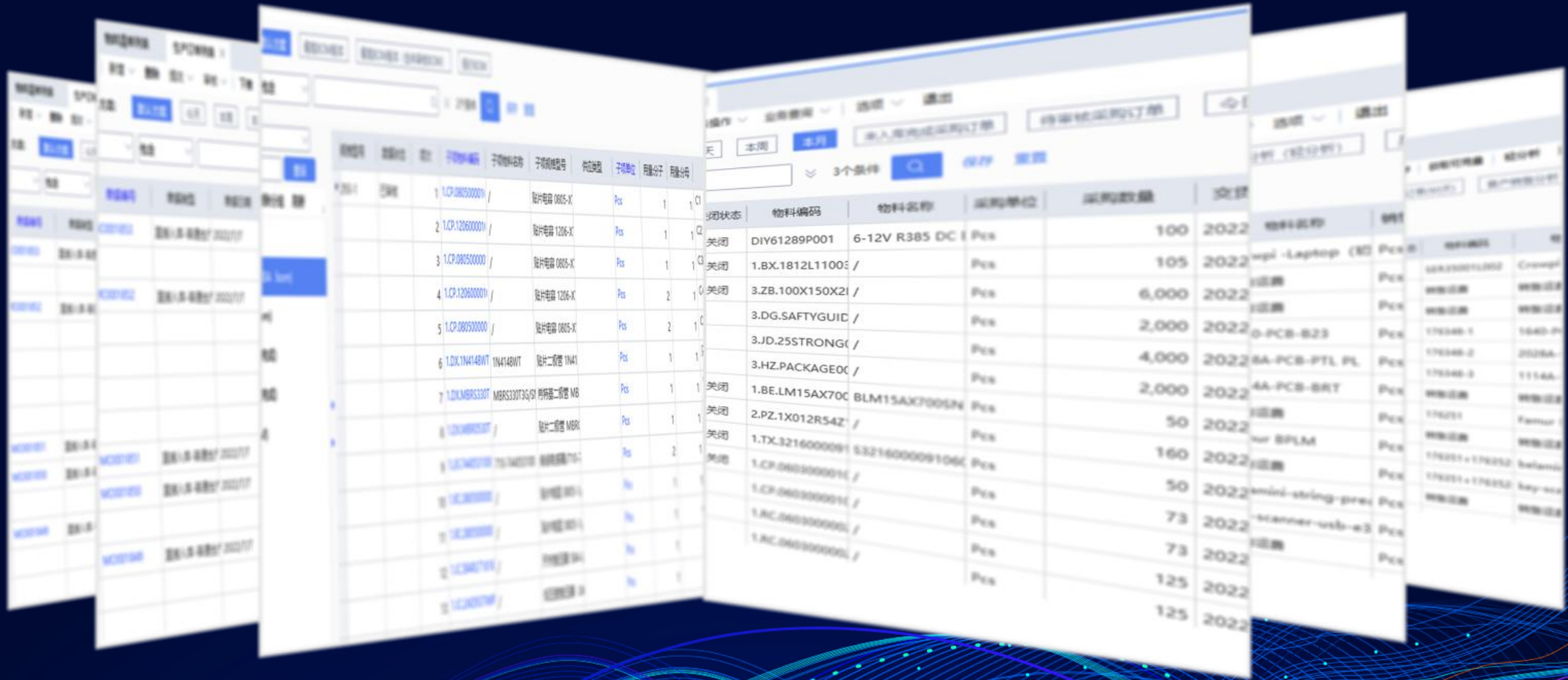


element14



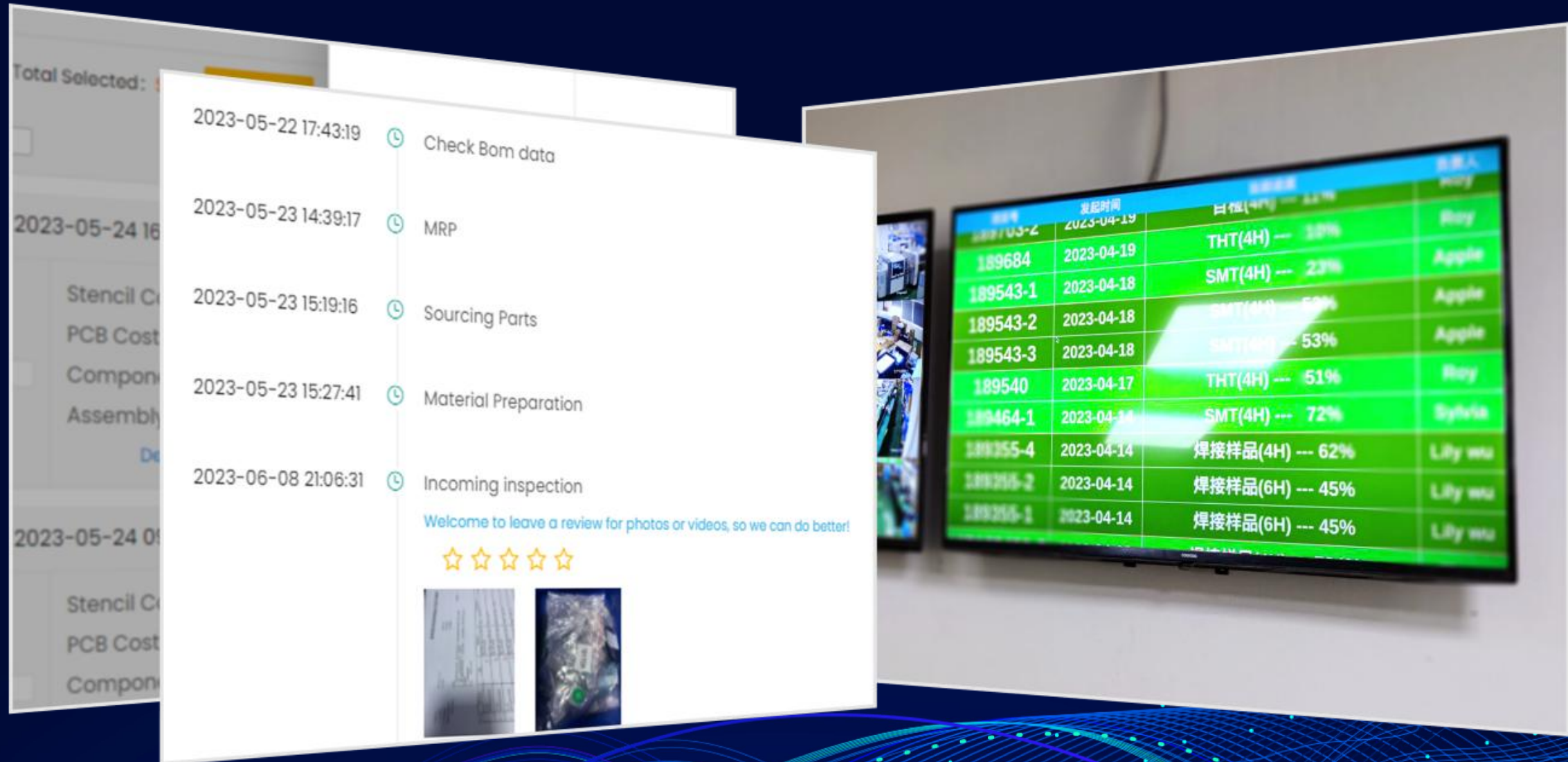
ERP Manage System

The source of components and production schedule are trackable



MES System

The production schedule is transparent, the production process is traceable, and customers can view and track the order progress at any time



System and Product Certification

- Manufacture procedure has gotten the ISO 9001 certification
- All the products we produced meet RoHs standards
- 3 times checking to ensure the quality of products

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certification No. : ZTZL28021Q30063R0M

Awarded to

ShenZhen Elecrow Technology Development Co., Ltd

Organization Code: 91440300305981487G

Registration Add.: West of F-building 8th floor, Fusen industry park , Gushu Hangcheng road, Bao'an Ave, Shenzhen city, China

Office Add.: West of F-building 8th floor, Fusen industry park , Gushu Hangcheng road, Bao'an Ave, Shenzhen city, China

Production Add.: West of F-building 8th floor, Fusen industry park , Gushu Hangcheng road, Bao'an Ave, Shenzhen city, China

Zip Code: 518100

The Quality Management System of the above organization has been assessed and Found to be in accordance with the requirements of the standard:


GB/T19001-2016/ISO9001:2015

Scope of this management Certification


Programming learning machine (export only), Design and production of PCBA control board

First S.A.	Stick	Second S.A.	Stick	Third S.A.	Stick
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The term of validity of the certificate, the certificate shall be at least once a year the surveillance audit, With qualified logo, for the effective certificate. The certificate information is available in the certification and Accreditation Administration of the People's Republic of China's official website : www.cnca.gov.cn




中泰智联认证



MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT



中国认证认可协会
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT
MANAGEMENT SYSTEM
CNAS CXCI-M



Date of Issue: 26-01-2021 Date of Supervision: 26-01-2021 Valid until: 25-01-2024

Room 1204, 12th Floor, Ind Building, No. 8 Chaoyang Road, Chaoyang District, Beijing, China 010-85398823



One To One PM Service

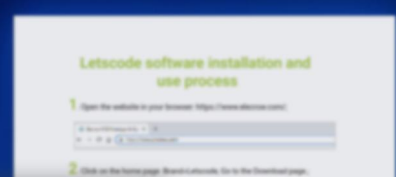
The project manager will give timely and professional support to your project, they will serve you for the entire cycle of your project

1 to 1 customer service with
24H response time



Full Tech-support

Step by step courses and detailed wiki page & Video for tech-support



After successfully plugging back in the Micro SD card, we'll need to lay the Raspberry Pi over it's location on top of the CrowPi board.



Note: First of all, we should have to plug the cable first, then mount screw.

Afterwards, we'll need to plug it in by using "rainbow" (flat) cable. We'll first carefully plug it into the Raspberry pi making sure it covers the exact pins of the raspberry pi and very importantly doing it carefully not to damage the Raspberry Pi pins.



The second step will be plugging the "rainbow" cable into the CrowPi board. We'll take the other end of the "rainbow" cable and carefully plug it directly into the board making sure it covers all the pins and placed at the right spots.



Community	Topics	Posts	Last post
Announcements	26	3	
Really cool! Hope more news are on the ... by ADTatoWithAKeyboard 04/14/2023 10:54:24am			
Promotions	15	9	Hey, my brothers! Have the above ... by Choudi 10/13/2022 04:29:49am

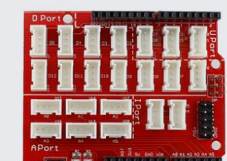
Contents [hide]

- Description
- Features
- Interface Function
- Resources

Description

The Crowtail- Base Shield plugs into Arduino and is the foundation of the Crowtail system. All I/O ports of the Arduino are exposed and adapted into Crowtail connectors which include digital I/O, analog I/O, and specialized ports (I2C, UART).

Model: C7000185#

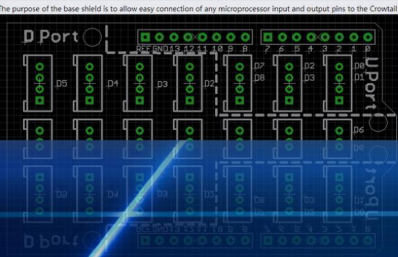


Features

- Arduino UNO and Duemilanove compatible
- Compatible with all Crowtail modules
- 11 Digital connectors (D2-D12)
- 4 Analog connectors (A0-A5)
- 2 I2C sockets
- NO SPI socket
- UART/D0-D1 connector
- ISP/I2SP header
- Green Power indicator LED
- Right angle reset button with red LED reset indicator
- Stacking connectors
- Simplified screen printing
- Dimensions (mm): 69.5x35.2(W)x23.5(H)

Interface Function

The purpose of the base shield is to allow easy connection of any microprocessor input and output pins to the Crowtail units. For a



Support various extensions

Can be combined with 100+ types of Crowtail modules to complete more interesting projects.



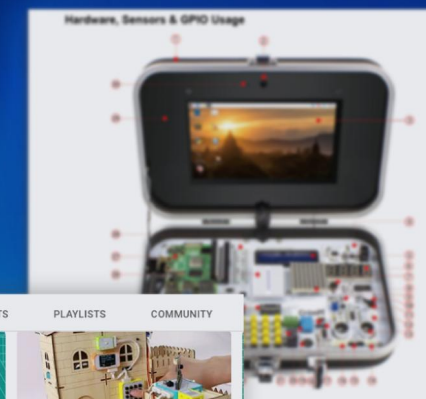
Learn more

The Bolt board also has two Crowtail module ports, allowing users to connect more sensors. We have 150+ Crowtail electronic modules which you can purchase from our website.

See the website wiki for more examples.

HOME VIDEOS SHORTS PLAYLISTS COMMUNITY

- Introducing LoRaWAN Development Board Integrated RP2040 with 1.8" LCD | Elecrow
190 views • 1 month ago
- Build a Smart Home using Crowbits Electronic Magnetic Blocks!
48 views • 1 month ago
- Elecrow ESP Terminal Displays Comparison - Esp32 RGB VS Esp32 SPI
937 views • 2 months ago
- ESP32-S3 Terminal SPI 3.5" TFT Touch Display with OV2640 Camera | Elecrow
1.4K views • 2 months ago
- Elecrow 14 inch IPS Display
172 views • 2 months ago
- Create Characters with this Incredible Single-Board Microcontroller - Sinobit
64 views • 3 months ago



We work with global partners and distributors.



40,000+

Customers registered in
our website

200+

Distributors

150+

Countries available



Our Brand is our people >

The average age of Our team is 27



Be an official distributor of Elecrow products



Strict Quality Control

- ISO9001 quality management system
- Strict quality control process
- High-quality products and services



Sales policy

- Reasonable and competitive pricing
- Minimum MOQ



Warranty and after-sales

- At least ninety days warranty assured



Service

- Timely and swift service
- Dropshipping service
- Professional product consultant



Wide range of products

- 1000 items of Raspberry Pi, Micro: bit, Arduino related products, displays and DIY electronics
- At least 4 Innovative products released each month



Brand awareness

- Regular online marketing campaign on KickStarter
- Continuous KOL marketing and mainstream media news PR



Make Your Making Easier