

Product list

Shenzhen Dragon Etching Co. Ltd.

Contents



Company Profile



product description



Company advantage

01

Company Profile

Company Profile / Development History

Company Profile



Founded in 2012, we are a high-tech national enterprise that specializes in the development, production, installation, and after-sales service of hardware processing equipment and horizontal circuit board equipment. With over 10 years of professional manufacturing experience, we have established ourselves as a leading name in the industry.

Our state-of-the-art factory covers an area of approximately 4000 square meters and features perfect production technology, scientific testing methods, standard management systems, strict production systems, and efficient employee incentive mechanisms.

At present, we have more than 100 employees, including more than 10 R&D engineers. Our production line is highly efficient and our production capacity is stable, enabling us to accept a large number of OEM and ODM orders from our customers.

Our company has obtained a number of technical patents, and we utilize both domestic and foreign leading technology and high-quality spare parts in all our equipment. As a result, our equipment boasts excellent quality, long service life, low failure rate, and high production efficiency, ensuring that we remain at the forefront of the industry.

Thank you for considering our company as your partner

Development path

2012

2014

2018

2020

2022

Company founded

Located in Shenzhen, the capital of science and technology, it focuses on the R&D and production of metal processing equipment and PCB circuit board equipment.

Rapid development

From 2014 to 2017, the company achieved rapid development, continued to expand production capacity, and established a good reputation in the industry.

R & D innovation

The company has intensified research and development efforts, obtained dozens of invention patents, made the equipment more refined and stronger, and created more value for customers.

Strategic upgrade

Carry out strategic upgrades, transform production lines, optimize personnel allocation, achieve double improvement of production capacity and quality, and improve customer satisfaction.

Steady growth

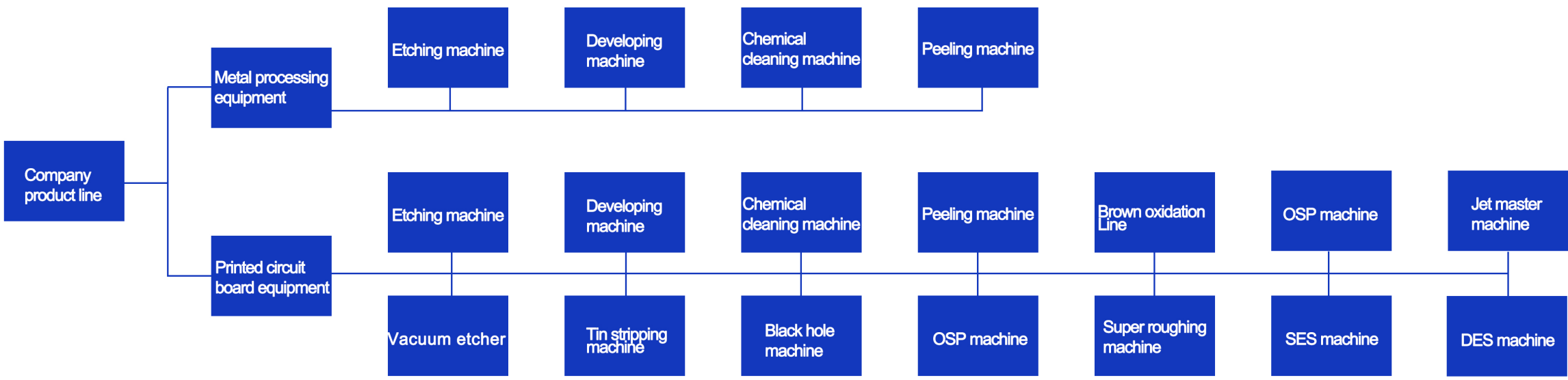
Adhering to the original intention of bringing high-quality equipment to customers, the influence of the industry has been steadily improved, and the company's output value has exceeded 15 million.

02

Product introduction

Company Product Line / Core Products

Company product line



Metal/PCB Etching Machine

01

Stable equipment performance, long mission life and high production efficiency

04

Our equipment is 10 rows of nozzles, and most of them are 7-8 rows on the market.

The pump pressure is 3-3.5Mpa, with large flow and high efficiency.

02

The body material is A material, Thickness 15mm, 20mm

05

High etching precision, covered with 45° nozzle,

The filtration system has 4 levels, and the spray rack has a water inlet cycle.

The spray rack can be cleaned without disassembly

03

Equipment welding is 3 welding, Reinforced Fangtong is encrypted and bold

06

Perfect after-sales service, high customer satisfaction,

Customers all over the country and Vietnam, Turkey and other countries,

One year warranty, lifetime maintenance



Metal/PCB Etching Machine

Non-standard customization for reference only



Equipment process:
 Board entry→Precision etching→Overflow washing(1)(2)(3)(4)→Water washing/drying→Exit board

- Features:**
1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
 2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
 3. Liquid level alarm function, the liquid level is too high to send an alarm;
 4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Project	Specifications
External dimensions	6700mm(L)×2430 mm(W)×290025 mm(H)
Workpiece Specifications	630×630mm [maximum] 150×150 mm [minimum] 0.05-3.2mm [thickness]
Transfer speed	0 ~ 5m/min (adjustable)
Conveying surface width	800mm[Effective working surface width: 740mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	35mm
Power Requirements	3-phase 380V AC 50Hz (motor power 28KW, heating tube power 12KW)
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD7100/meter

Metal/PCB Vacuum Etching Machine



Equipment process:

Into the board → vacuum etching 1 → vacuum etching → 2 vacuum etching 3 → out of the board

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Non-standard customization for reference only

Project	Specifications
External dimensions	13917mm(L)×2350mm(W)×247025 mm(H)
Workpiece Specifications	780 mm X 780mm [maximum] 120 mm X 120 mm [minimum] 0.1 ~ 3.2 mm [thickness]
Transfer speed	0.5 ~ 7m/min (adjustable)
Conveying surface width	850mm[Effective working surface width:780mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	55mm
Power Requirements	3-phase 380V AC 50Hz 54kW [rated]
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD5500/meter

Metal/PCB Developing machine



Non-standard customization for reference only

Project	Specifications
External dimensions	11030 mm (L) X 2350 mm (W) X 250025 mm (H)
Workpiece Specifications	780 mm X 780mm [maximum] 120 mm X 120 mm [minimum] 0.1 ~ 3.2 mm [thickness]
Transfer speed	0.5 ~ 7m/min (adjustable)
Conveying surface width	850mm[Effective working surface width:780mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	55mm
Power Requirements	3-phase 380V AC 50Hz 54kW [rated]
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD3900/meter

Equipment process:

Plate entry → development (1) → development (2) → new liquid washing → overflow water washing (1) (2) (3) → water washing / drying → strong wind → plate exit

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Metal/PCB Stripping machine



Non-standard customization for reference only

Project	Specifications
External dimensions	1)15100mm(L)×2300 mm(W)×280025 mm(H)
Workpiece Specifications	460×620mm [maximum] 150×150 mm [minimum] 0.2-3.2mm [thickness]
Transfer speed	0.5 ~ 5m/min (adjustable)
Conveying surface width	850mm[Effective working surface width:740mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	35mm
Power Requirements	3-phase 380V AC 50Hz (motor power 42KW, heating tube power 24KW)
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD3900/meter

Equipment process:

Board entry → bulking (1) → bulking (2) → film removal → flushing → intermediate inspection → acid pickling → overflow washing (1) (2) (3), clean water washing / drying → dry board combination → board exit

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Metal/PCB Chemical cleaning machine

Non-standard customization for reference only



Equipment process:

Plate entry → oil removal → flushing, overflow water washing (1) (2) clean water washing and pickling → overflow water washing (3) (4) (5), DI water washing / drying → dry plate combination → plate exit

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Project	Specifications
External dimensions	7843mm(L)×1900 mm(W)×250025 mm(H)
Workpiece Specifications	610×610mm [maximum] 150×150mm [minimum] 0.2-2.0mm [thickness]
Transfer speed	0.6 ~ 5m/min (adjustable)
Conveying surface width	800mm[Effective working surface width:730mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	35mm
Power Requirements	3-phase 380V AC 50Hz (motor power 33KW, heating tube power 16KW)
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD3900/meter

Metal/PCB SES machine



Equipment process:

Board entry → Peng song → film removal (1) → film removal (2) → sewage flushing → water washing (1) → sewage flushing → HF water washing (1) → ultrasonic water washing HF water washing (2) (3) water washing and drying inspection
 Compensation etching etching (1) etching (2) sub solution washing overflow washing (1) (2) (3) clean water washing and drying inspection tin removal (1) tin removal (2) overflow washing (4) (5) (6)
 Wash with clean water, suck dry, scrub, overflow water, wash (7) (8) (9) (10) wash with clean water, suck dry, and combine the boards

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Non-standard customization for reference only

Project	Specifications
External dimensions	31970mm (L) X 2649 mm (W) X 250025 mm (H)
Workpiece Specifications	760 mm X 760 mm [maximum] 150 mm X 150 mm [minimum] 0.3 ~ 3.2 mm [thickness]
Transfer speed	0.5 ~ 5m/min (adjustable)
Conveying surface width	850mm[Effective working surface width:780mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	35mm
Power Requirements	3-phase 380VAC 50Hz 189kw[rated]
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD3900/meter

Metal/PCB DES machine



Equipment process:

Plate entry → development 1 → development 2 → new liquid washing → sewage flushing → overflow washing (1) (2) (3) (4) → overflow washing (5) (6) (7) → clean water entry overflow washing (8) (9) (10) → clean water washing and drying → inspection → etching 1 → etching 2 → etching 3 → overflow washing (11) (12) (13) → clean water washing → inspection → film removal 1 → film removal 2 → sewage flushing → overflow washing (14) (15) (16) → acid pickling overflow washing (17) (18) (19) → clean water washing and drying → dry plate combination → plate exit

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Non-standard customization for reference only

Project	Specifications
External dimensions	35477 mm (L) × 2752 mm (W) × 250025 mm (H)
Workpiece Specifications	740 mm × 740 mm [maximum] 150 mm × 150 mm [minimum] 0.075 ~ 2.5 mm [thickness]
Transfer speed	0.6 ~ 5m/min (adjustable)
Conveying surface width	800mm [Effective working surface width: 740mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	35mm
Power Requirements	3 Phase 380VAC 50Hz 183kW [Rated]
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD4400/meter

PCB Super roughing machine



Equipment process:

Plate entry → micro corrosion → overflow washing (1) (2) (3) → medium roughening → overflow washing (4) (5) (6) → acid pickling → overflow washing (7) (8) (9) (10), di washing → dry plate combination → plate exit

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Non-standard customization for reference only

Project	Specifications
External dimensions	13900 mm (L) X 2652 mm (W) X 250025 mm (H)
Workpiece Specifications	690 mm X 690 mm [maximum] 150 mm X 150 mm [minimum] 0.1(不含铜) ~ 3.2 mm [thickness]
Transfer speed	0.5 ~ 5m/min (adjustable)
Conveying surface width	760mm[Effective working surface width:690mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	35mm
Power Requirements	3 Phase 380VAC 50Hz 183kW[Rated]
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD3900/meter

PCB OSP machine



Non-standard customization for reference only

Project	Specifications
External dimensions	9934 mm (L) X 1620 mm (W) X 247025 mm (H)
Workpiece Specifications	610 mm X 610 mm [maximum] 75 mm X 75 mm [minimum] 0.3 ~ 3.2 mm [thickness]
Transfer speed	0.6 ~ 5m/min (adjustable)
Conveying surface width	700mm[Effective working surface width:630mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	42mm
Power Requirements	3 Phase 380VAC 50Hz 38kW[Rated]
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD3900/meter

Equipment process:

Plate entry → oil removal → overflow washing (1) (2) → clean water entry → slight corrosion → overflow washing (3) (4) strong wind → Oxidation resistance → washing with overflow water (5) (6) (7) → washing with water → dry board combination → out board

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

PCB Grinding machine



Equipment process:

Plate entry → acid pickling → overflow washing (1) (2) → plate grinding 1 → plate grinding 2 → overflow washing (3) (4) → medium pressure water washing → overflow washing (5) → clean water washing and drying → dry plate combination → plate exit

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Non-standard customization for reference only

Project	Specifications
External dimensions	9539 mm(L) X 2315(W) X 250025 mm(H)
Workpiece Specifications	640 mm X 640 mm [maximum] 200 mm X 200 mm [minimum] 0.3 ~ 3.2 mm [thickness]
Transfer speed	0.5 ~ 5m/min (adjustable)
Conveying surface width	700mm[Effective working surface width:630mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	35mm
Power Requirements	3-phase 380V AC 50Hz 37kW [rated]
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD6000/meter

PCB Jet master machine



Equipment process:

Plate entry → micro corrosion → overflow water washing (1) (2) grinding plate spraying → clean water entry → grinding plate → sand blasting → sewage flushing → pressurized water washing (1) → ultrasonic immersion → pressurized water washing (2) → high pressure water washing → clean water washing / drying → dry plate combination → plate exit

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Non-standard customization for reference only

Project	Specifications
External dimensions	11789 mm (L) X 2600 mm (W) X 250025 mm (H)
Workpiece Specifications	610 mm X 610 mm [maximum] 200 mm X 200 mm [minimum] 0.3 ~ 3.2 mm [thickness]
Transfer speed	0.5 ~ 5m/min (adjustable)
Conveying surface width	700mm[Effective working surface width:610mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	55mm
Power Requirements	3-phase 380V AC 50Hz 58kW [rated] (motor power 47kw, heating tube power 7.2kw, ultrasonic power 3.2kw)
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD6000/meter

PCB Tin stripping machine

Non-standard customization for reference only



Equipment process:

Board entry → tin withdrawal → overflow water washing (1) (2) (3) → clean water washing → dry board combination → board exit

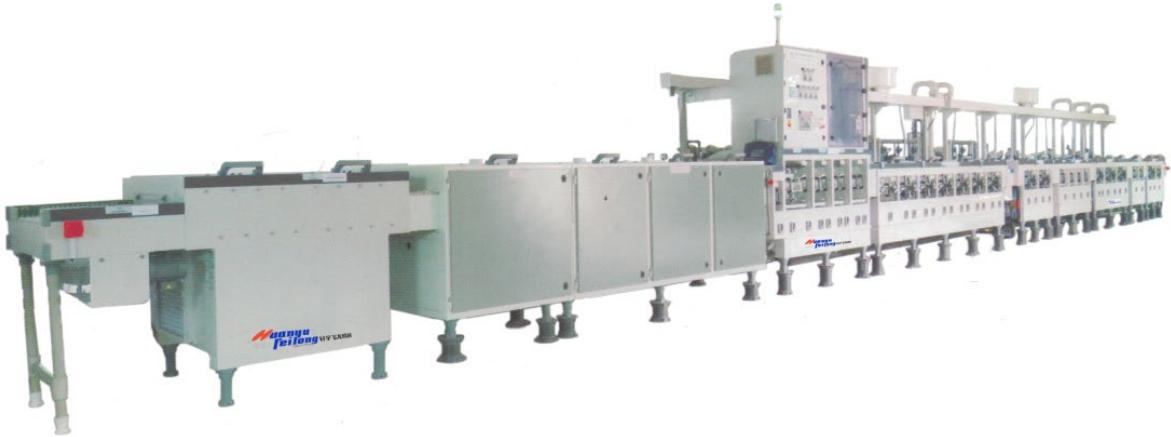
Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

Project	Specifications
External dimensions	6350 mm (L) X 2652 mm (W) X 250025 mm (H)
Workpiece Specifications	610 mm X 610 mm [maximum] 200 mm X 200 mm [minimum] 0.3 ~ 3.2 mm [thickness]
Transfer speed	0.6 ~ 5m/min (adjustable)
Conveying surface width	700mm[Effective working surface width:630mm]
Travelling roller diameter	Φ40mm
Travelling roller distance	55mm
Power Requirements	3-phase 380VAC 50Hz 15Kw
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD3900/meter

PCB Brown Oxidation Line

Non-standard customization for reference only



Equipment process:

Plate entry → acid pickling → overflow washing (1) (2) → clean water washing → alkali washing → overflow washing (3) (4) (5) → clean water washing → prepreg → browning → overflow washing (6) (7) (8) (9) → clean water washing and drying → dry plate combination → cooling → plate exit

Features:

1. No board shutdown function, free to set the boardless shutdown time, which helps to save water and electricity;
2. Overheating protection function, when the heating section exceeds the set temperature, an alarm will be issued;
3. Liquid level alarm function, the liquid level is too high to send an alarm;
4. The swing is upgraded, the diameter is thickened, the wear-resistant sheet is added, the swing is stable, and the spraying is more uniform.

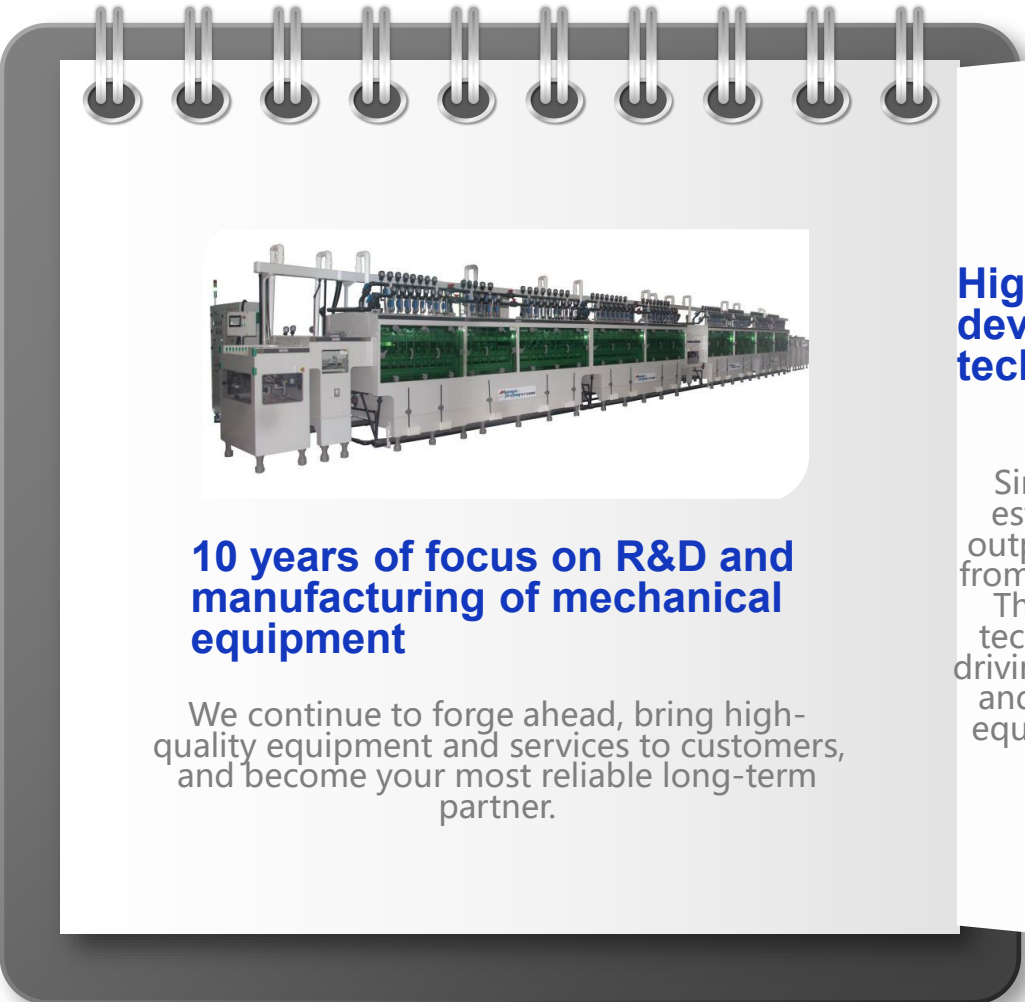
Project	Specifications
External dimensions	13847mm(L)×1710mm(W)×250025mm(H)
Workpiece Specifications	660 mm×580 mm [maximum] 50 mm×50 mm [minimum] 0.075 (copper free) ~ 2.5 mm [thickness]
Transfer speed	0.6 ~ 5m/min (adjustable)
Conveying surface width	800mm[Effective working surface width:750mm]
Travelling roller diameter	Φ32mm
Travelling roller distance	25mm
Power Requirements	3-phase 380V AC 50Hz 83W [rated] (motor power 48kw, heating tube power 35kw)
Control electric box	Touch screen and PLC control
Other	Customized according to customer requirements
Price	USD4400/meter

03

Company advantage

Core Advantages / Invention Patents / Our Customers

Core Advantages



10 years of focus on R&D and manufacturing of mechanical equipment

We continue to forge ahead, bring high-quality equipment and services to customers, and become your most reliable long-term partner.

01

High speed and stable development, leading technology

Since the company was established in 2012, the output value has increased from 1 million to 15 million. The company insists on technological innovation, driving industrial innovation, and creating high-quality equipment with ingenuity.

02

4000 square meters high standard workshop

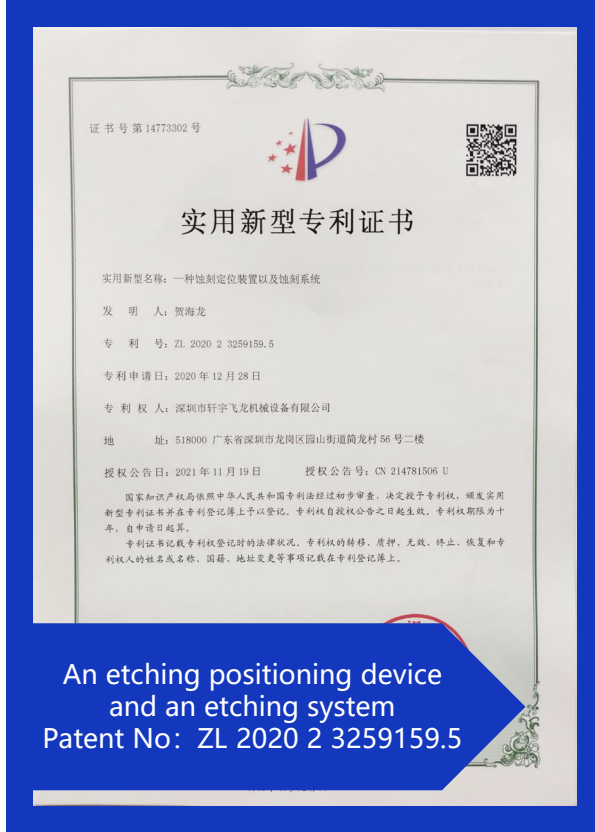
The company has perfect production technology, scientific testing methods, standard management system, strict production system, and efficient employee incentive mechanism to create maximum value for customers.

03

One-stop standardized solution

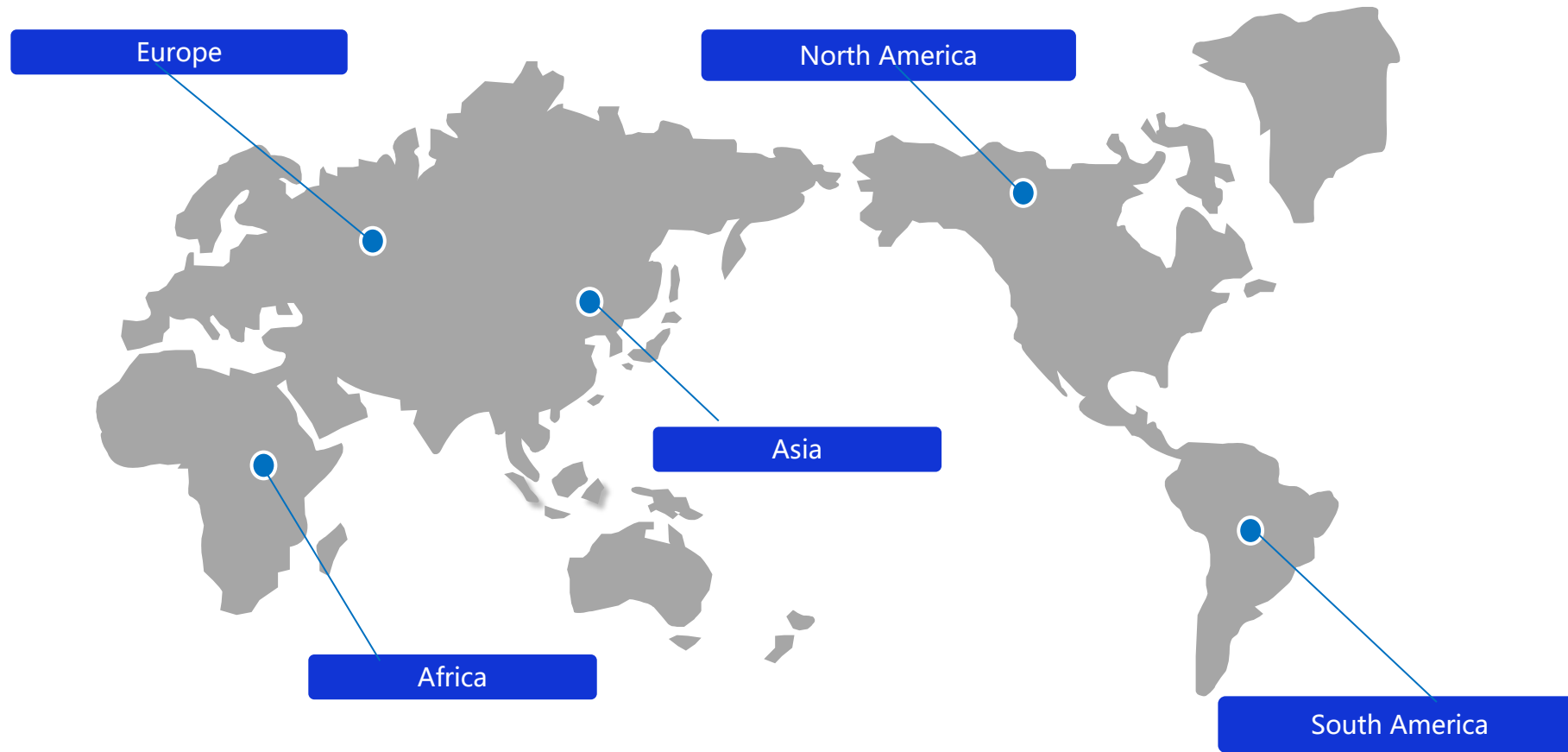
Serve every customer with sincerity, quality and efficiency, keep track of customer usage, respond to customer needs in a timely manner, and improve customer experience.

Our certificate



So far, the company has obtained dozens of invention patents and software copyrights, and has continuously strengthened technology research and development to enhance its core competitiveness.

Our client



From Shenzhen, to the whole country, to the world, we adhere to the original intention of bringing high-quality equipment to customers and create more value for customers.

Contact Us



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Thanks for watching

————— The end —————