



Zhengzhou Lijia



Wuxi Lijia



Zhejiang Lijia



Zhengzhou Lijia Thermal Spray Machinery Co., Ltd
郑州立佳热喷涂机械有限公司

Zhengzhou Lijia Thermal Spray Machinery Co., Ltd

Address: Room 406, 316 Lianhua Street, Zhengzhou
City, Henan Province, China
Tel: Elsie: +86 15981997511 Jason: +86 18603830542
Email: info@lijiacoating.com elsie@lijiacoating.com
Website: www.lijiacoating.com



CONTENTS

目录

01	公司简介 / COMPANY PROFILE
02	企业荣誉 / CORPORATE HONORS
03	核心技术 / CORE TECHNOLOGY
04	核心产品 / CORE PRODUCTS
06	技术介绍 / TECHNOLOGY
07	业务范围 / SCOPE OF BUSINESS
08	我们的设备 / OUR EQUIPMENT
08	LBP100等离子喷涂设备 / LBP100 Plasma spraying machine
12	HD-8000超音速火焰喷涂设备 / HD-8000 HVOF (High Velocity Oxy-Fuel) spraying machine
16	HV-8000超音速火焰喷涂设备 / HV-8000 HVOF (High Velocity Oxy-Fuel) spraying machine
20	HA-2000空气超音速火焰喷涂设备 / HA-2000 HVOF (High Velocity Air-Fuel) spraying machine
24	HA-3000空气超音速火焰喷涂设备 / HA-3000 HVOF (High Velocity Air-Fuel) spraying machine
28	HV-8000H内孔超音速火焰喷涂设备 / HV-8000 HVOF (High Velocity Oxy-Fuel) spraying machine
34	HV-8000S内孔超音速火焰喷涂设备 / HV-8000SHVOF (High Velocity Oxy-Fuel) spraying machine
39	外围设备 / PERIPHERAL UNIT
40	客户案例 / CUSTOMER STORIES
41	行业应用 / INDUSTRY APPLICATIONS

COMPANY PROFILE

公司简介

Zhengzhou Lijia is located in Zhengzhou City, Henan Province, China. As a leading enterprise in the thermal spraying industry in Henan, Lijia is a high-tech innovative enterprise specializing in thermal spraying processing and equipment manufacturing research and development. It is a well-known brand in China's thermal spraying equipment industry. Lijia has accumulated nearly 20 years of experience in the thermal spraying industry and is one of the few manufacturers in China that can independently produce supersonic spraying equipment and plasma spraying equipment.

As one of the largest thermal spraying base guides in China, Lijia Company has a group of experienced senior technical personnel, including professor level senior engineers, researchers, master's and other senior engineering and technical personnel, as well as dozens of surface treatment technicians. We have absorbed international technology and independently developed new supersonic flame spraying equipment. We have taken the lead in developing internationally standard kerosene supersonic flame spraying equipment and plasma spraying equipment in the Chinese market. The equipment has been widely used in the spraying industry, and the coating quality has reached the level of similar foreign products, receiving unanimous praise from domestic and foreign customers.

Our company maintains close communication with multiple domestic materials research institutions, and has a team of over 30 doctoral researchers in materials to provide customers with think tank services. We can provide various coating solutions for our users year-round!



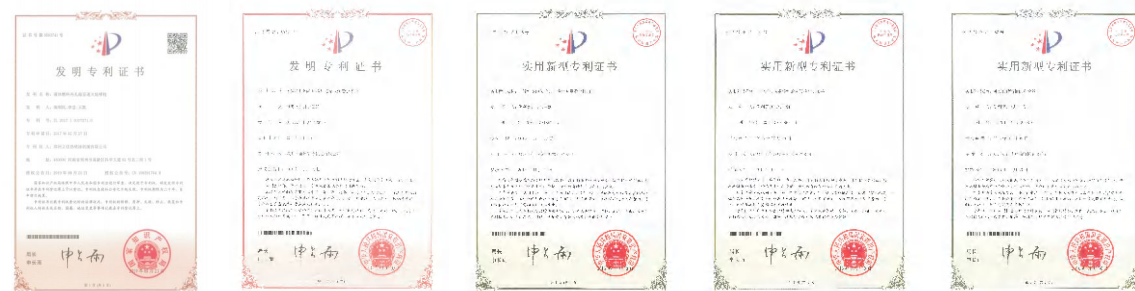
CORPORATE HONORS

企业荣誉

Enterprise certificate



Enterprise patents

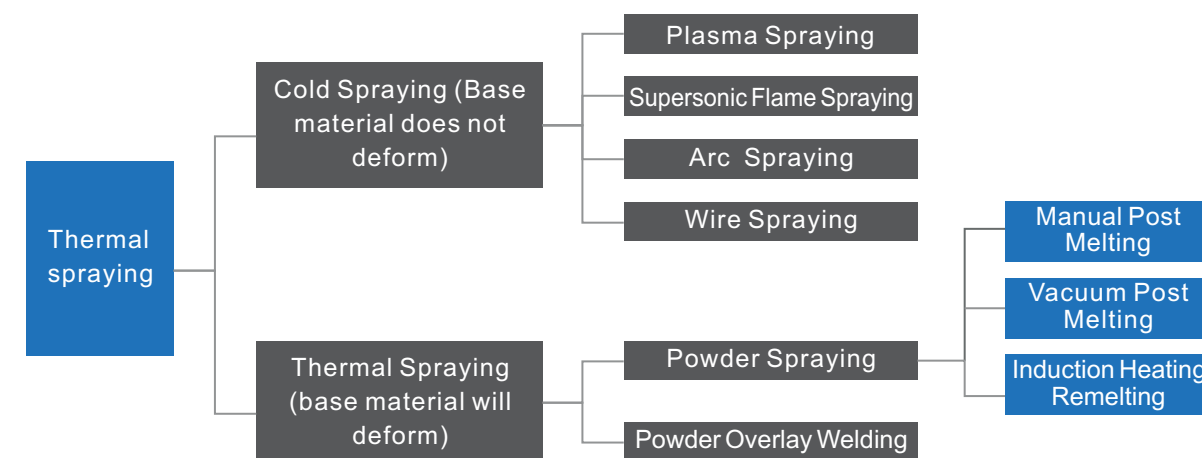
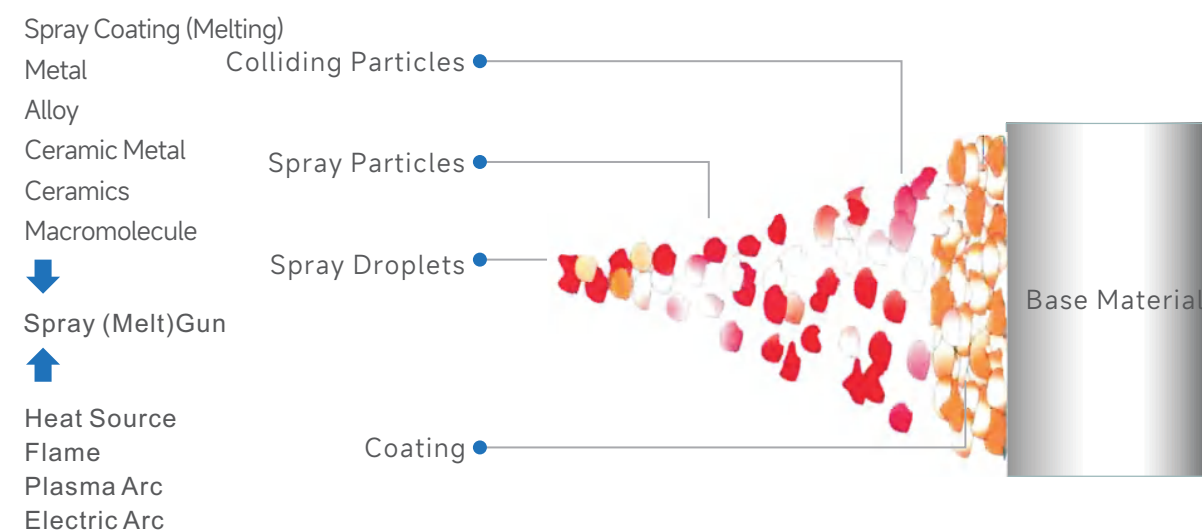


CORE TECHNOLOGY

核心技术

Thermal Spraying Technology

Thermal spraying technology is a surface technology that uses energy sources such as flames, plasma arcs, or arcs to melt powder or linear materials and spray them onto the surface of the substrate, solidifying to form a sprayed coating. As illustrated in the diagram. In the field of spraying technology, there are different methods such as ordinary flame spraying, supersonic flame spraying, plasma spraying, arc spraying, and cold spraying, as shown in the figure. The types of materials that can be used for spray coating include metals, alloys, ceramics, porcelain, and plastics.Introduction



CORE PRODUCTS

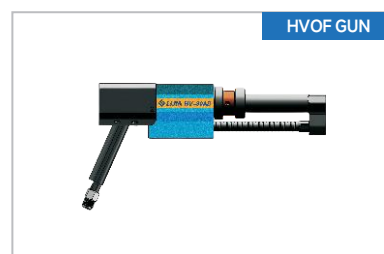
核心产品



HV-80S Standard spray gun



HV-80A Handheld spray gun



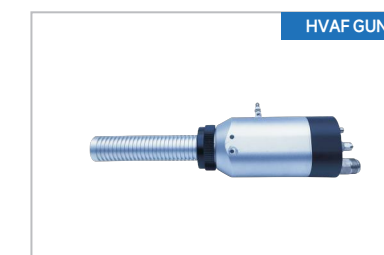
HV-80AD Inner hole spray gun



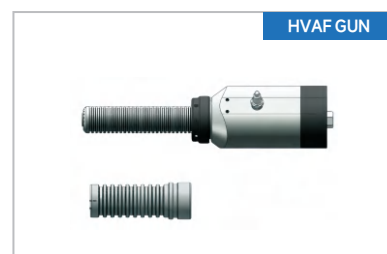
HV-80C high-power inner hole spray gun



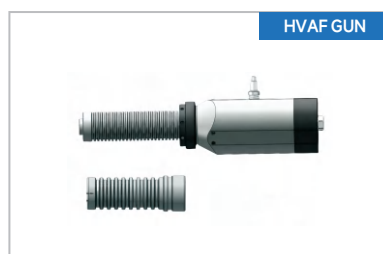
LA1 Air propane spray gun



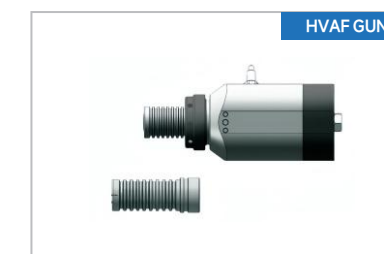
LA2 Air propane spray gun



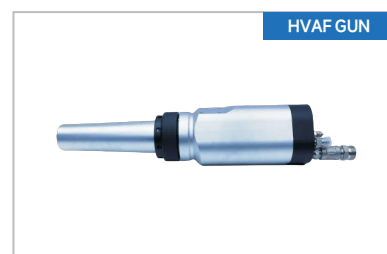
LA201 Air propane spray gun



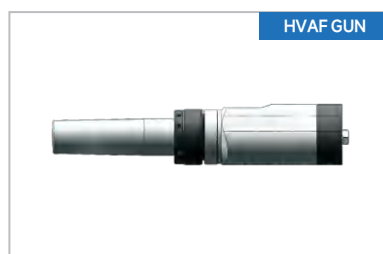
LA202 Air propane spray gun



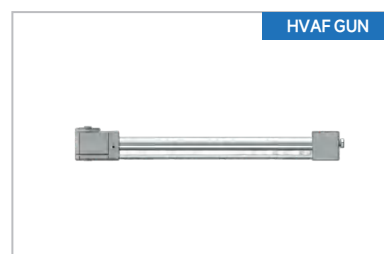
LA203 Air propane spray gun



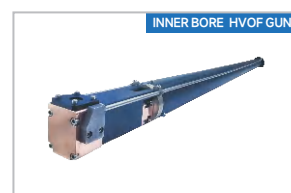
LA3 Air propane spray gun



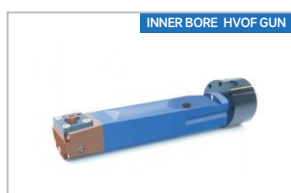
LA301 Air propane spray gun



LA4-180 inner hole spray gun



HV-80D Inner hole supersonic spray gun



HV-80E Inner hole supersonic spray gun



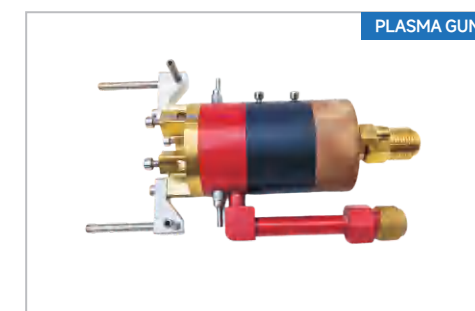
HV-80F Inner hole supersonic spray gun



HV-80M Inner hole spray gun

CORE PRODUCTS

核心产品



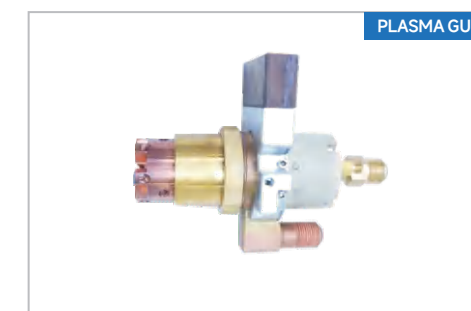
SG100S Plasma gun



9M Plasma gun



F4 Plasma gun



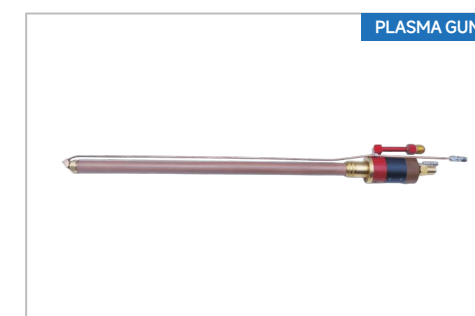
CP100 Plasma gun



Three-anode plasma gun



Five-anode plasma gun



2086 Inner hole plasma gun



2100 plasma spray gun

TECHNOLOGY

技术介绍

Walking at the forefront of technology

Our technical team has been committed to the research and application of thermal spraying additive manufacturing technology for a long time, mastering the core process of thermal spraying material processing, and meeting the application needs of various industrial fields. We have reserved a variety of high-performance alloy materials and ceramic material thermal spraying process databases. Currently, the company's independently developed complete set of thermal spraying special equipment has successfully served the surface protection application of industrial products in large enterprises such as aviation, hydropower, petrochemical, new energy, mold manufacturing, hydraulic rods, electrical production lines, engineering machinery, valves, agricultural machinery cutting tools, and grain machinery. Zhengzhou Lijia's independently developed HV and HD series supersonic flame spraying equipment, LBP series plasma spraying equipment, rotary inner hole tungsten carbide spraying equipment, rotary inner hole ceramic and alloy spraying equipment, nickel mesh electrode continuous automatic spraying production line, automotive parts continuous automatic spraying production line and other core technologies are at the forefront of the industry. Based on this, Zhengzhou Lijia will be committed to the research and development of digital manufacturing and intelligent manufacturing technology and platform construction.

Innovation is never-ending

Lijia firmly believes that the development of a company cannot be separated from its persistent and unremitting innovation ability. Every year, Lijia will expand into deeper and wider cutting-edge fields of thermal spraying with new capabilities Technology and footsteps lead the direction of the industry.

Integrating Five Key Technologies



SCOPE OF BUSINESS

业务范围

Thermal spraying equipment	Peripheral device integration	Coating processing services	Thermal spraying materials
· Research and development of thermal spraying equipment · Manufacturing of thermal spraying equipment · Rental of thermal spraying equipment	· Sound insulation spraying room · Sandblasting room · Sandblasting equipment · Mechanical arm · Turntable · Automatic production line	· Wear resistant coating processing · Processing of corrosion-resistant coatings · Processing of high-temperature oxidation resistant coatings · Conductive coating processing · Insulation coating processing · Thermal barrier coating processing	· Carbide coating materials · Oxide ceramic coating materials · Metal coating materials · Hard alloy coating materials · Composite coating materials · Sealing agent material

应用材料体系 MATERIAL APPLICATION

Material category	Common material composition	Application scenarios
Carbide	WC-Co WC-Co-Cr WC-Ni WC-CrC-Ni Cr ₃ C ₂ -NiCr	Pump rods, spiral screws, cutting tools, steam turbines, petroleum pipelines, valve bodies, paper rolls, steel rolls, blades, piston rods, rolling rolls, molds, grading wheels, screws, mixers, range hood accessories, wire drawing wheels, shut-off fans, water turbine runners, aircraft landing gear rods, sleeves, vibrating screens, screen mesh frames, machine tool spindles, high-pressure water pump plungers, ball presses, crushers, valve plates, butterfly valves, needle valves, compressor chambers, tension rolls, textile rolls, wear-resistant rolls, guide vanes, shaft sleeves, water pump impellers, corrugated rolls, hydraulic cylinders, mixing machine components, dispersing discs, dryer blade shafts, wear-resistant fields, and other components
Oxide	Al ₂ O ₃ Cr ₂ O ₃ TiO ₂ Y ₂ O ₃ Cr ₂ O ₃ -TiO ₂ Al ₂ O ₃ -TiO ₂ ZrO ₂ -Y ₂ O ₃ ZrO ₂ -X Nb ₂ O ₅ -x	Insulated shaft, shaft sleeve, high-temperature oxidation resistant components, piston rod, ceramic mesh roller, wear-resistant sealing ring, target material, antibacterial coating, electrostatic chuck, capacitor, biomedical implant, insulated bearing, burning plate, cavity coating inside plasma etching machine, electrode coating of fuel cell, grading wheel, thermal barrier coating, aircraft engine turbine blades, display semiconductor coating, textile accessories, drawing parts, mechanical seal, valve, shaft sleeve, cookware, graphite dry pot and other components
Metal	Cu Fe Ni AL Mo Zn	Utilizing the inherent properties of metals for additive, conductive, magnetic, corrosion-resistant, wear-resistant and other components
Alloy and mixture	NiCr NiAl NiFeAl NiCrBSi 316L MCrAlY Stellite alloy Hastelloy alloy	Primer for heat-resistant and corrosion-resistant ceramic surface layer, thermal barrier coating, nickel mesh electrode coating, rust prevention coating, petrochemical industry, valves, sealing rings, valve stems, petroleum plungers, pumping rods, pump casings, wellhead equipment, and other wear-resistant and corrosion-resistant parts, as well as components such as flue gas desulfurization, papermaking, and marine anti-corrosion

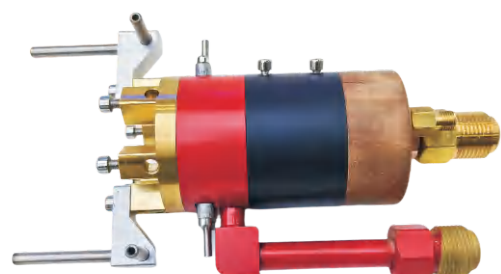
LBP-100

等离子喷涂设备

LBP100 Plasma spraying machine



01 SG-100 Spray gun technical parameters



Project	Parameter
Working current	100-1000A
Working voltage	Ar+H2 is 30-80V
Max output power	≥50KW
Flame temperature	4000-5000°C
Flame speed	180-380m/s
Powder delivery method	Internal & external powder delivery dual mode
size and weight	130*180*200mm , 2.3kg

02 HP-80 Plasma power supply technical parameters



Item	Parameter
Input power supply	AC380/3P/50Hz±5%
Rated output power	80KW
Working current	100-1000A
Operating voltage	30-80V
Power supply characteristic	Constant current source
Current accuracy	<1%
Load rate	90%
Dimensional weight	1100*600*1500mm,240kg

03 LBP-100 Main control cabinet technical parameters

Project	Parameter
Input power supply	AC380/3P/50Hz
Input power	1kw
Control type	PLC+Touch screen+Mass flowmeter
Main gas type and pressure	Argon gas(0.6Mpa)
Secondary gas type and pressure	Hydrogen gas(0.7Mpa)
Current fluctuations	≤±1A
Voltage fluctuation	≤±1V
Fluctuation of argon gas flow rate	<±1L
Fluctuations in hydrogen flow rate	≤±0.5L
Size and weight	630*600*1850mm, 130kg



04 C-1000 Powder feeder technical parameters



Item	Parameters
Input powder supply	AC220/2P/50Hz
Input power	0.2kw
Powder delivery method	Planetary rotating disk
Powder cleaning method	Barrel flipping type
Powder cylinder mode	Single cylinder type
Cleaning function	Yes
Powder cylinder volume	2.5L
Powder delivery gas	Nitrogen or argon
Powder delivery pressure	0.1-0.6Mpa
Carrier gas flow rate	0-15L/min
Powder delivery speed	0-220g/min
Powder delivery accuracy	±2%
Powder size	5-150μm
Size and weight	520*410*1260mm, 42kg/pcs

05 DX-15AD Chiller technical parameters



Item	Parameter
Input power supply	AC380/3P/50Hz
Input power	17kw
Standard cooling capacity	46.35kw
Refrigerant	R22
Condenser	Finned type
Evaporator	Shell and tube evaporator
Water volume	7.98 m³/h
Water pump power	2.2kw
Water pump pressure	205kpa
Size and weight	2400*850 1580mm, 520kg

06 LBP-100T Transfer box technical parameters

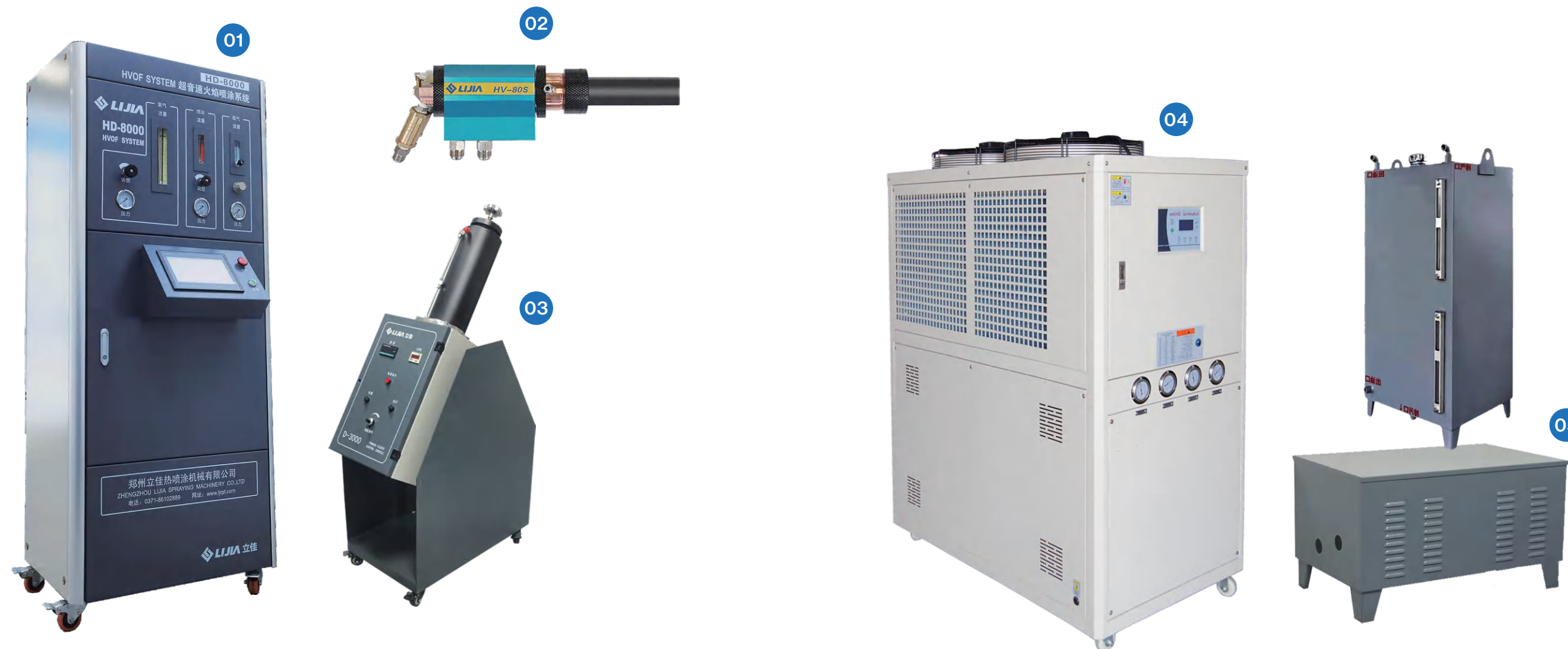


Item	Parameter
Input power supply	AC380/2P/50Hz
Input power	0.5kw
Control mode	External control
Output high-frequency voltage	AC2500-3000
Current from power supply	100-1000A
Maxi inlet water pressure	20Bar
Cooling water flow rate	0-40L/min
Size and quality	800*300*1260mm, 65kg

HD-8000

超音速火焰喷涂设备

HD-8000 HVOF (High Velocity Oxy-Fuel) spraying machine



01 HD-8000 Main control cabinet technical parameters



Item	Parameter
Input power supply	AC380/3P/50Hz
Input power	5kw
Control type	Float flowmeter +PLC+ touch screen control
Kerosene pressure	1.3Mpa
Kerosene flow rate	2-10GPH
Oxygen pressure	1.8Mpa
Oxygen flow rate	0-2300SCFH
Carrier gas pressure	0.8-1.0Mpa
Carrier gas flow rate	3-15L/min
Origin of accessories	Germany, USA, Japan, Italy
Size and weight	810 750*1950mm, 175kg

02 HV-80S Spray gun technology parameter



Item	Parameter
Flame speed	2000m/s
Flame temperature	3000°C
Spray rate	0-9.6kg/h (WC-Co)
Powder particle velocity	600-1100m/s
Porosity	≤1%
Coating bonding strength	≥70Mpa
Spray powder particle size	-30+5μm,-38+10μm,-45+15μm
Cooling method	Water-cooling
Cooling water flow rate	2.3m³/h
Size and weight	450*85*170mm, 4.5kg

03 D-3000 Powder feeder technical parameters



Item	Parameter
Input power supply	AC220/2P/50Hz
Input power	0.2kw
Powder delivery method	Measuring disk
Powder cleaning method	Barrel flipping type
Powder drying function	Heater (optional)
Powder cylinder mode	Single cylinder type
Self cleaning function	Have
Volume of powder	3.5L
Powder delivery gas	Nitrogen or argon
Powder delivery pressure	0.3-0.6Mpa
Carrier gas flow rate	3-15L/min
Powder delivery speed	0-220g/min
Powder delivery accuracy	±2%
Powder size	5-150μm
Size and weight	710*390*1300mm, 75kg

04 DX-30AD Chiller technical parameters



Item	Parameter
Input power supply	AC380/3P/50Hz
Input power	33.7kw
Standard cooling capacity	89.81kw
Refrigerant	R22
Condenser	Finned type
Evaporator	Stainless steel plate changeable
Frozen water volume	16m³/h
Water pump power	2.2kw
Water pump pressure	0.95Mpa
Size and weight	2770*1280*1900mm, 930kg

05 KM-80 Oil pump storage system technical parameters

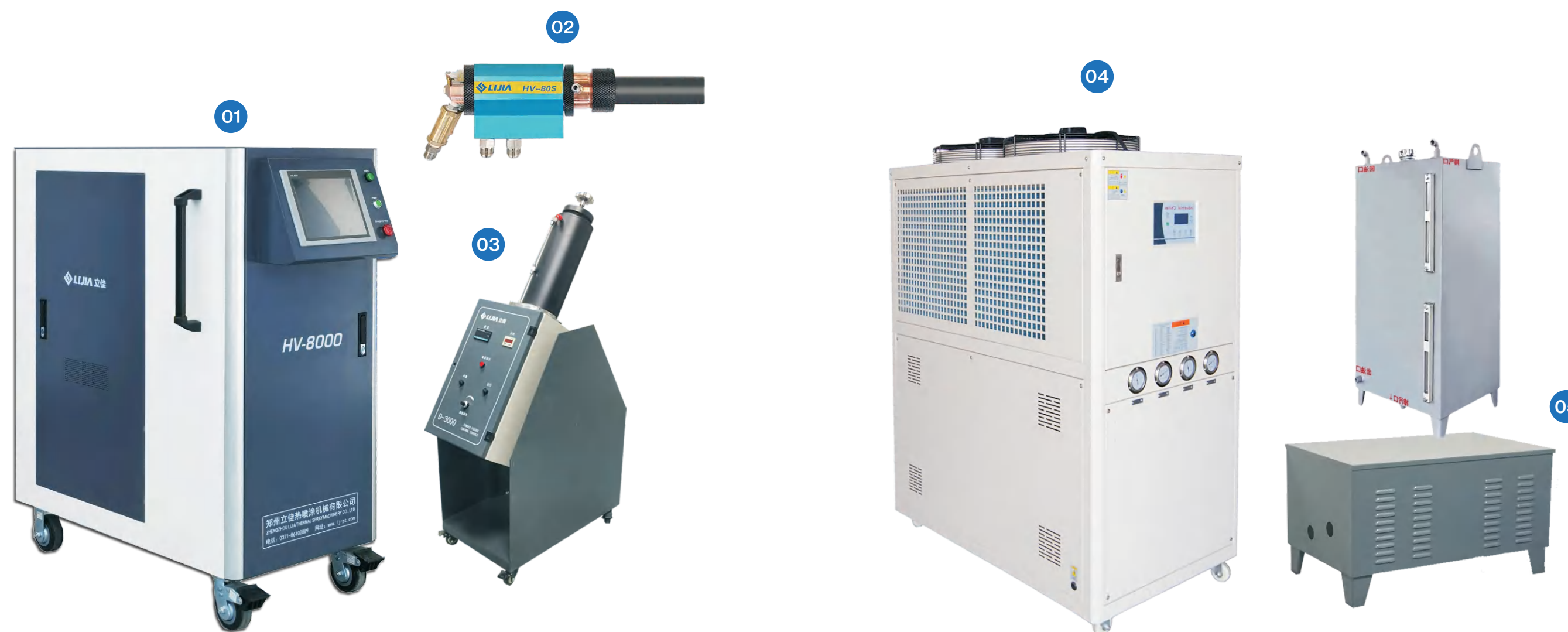


Item	Parameter
Input power supply	AC380/3P/50Hz
Input power	0.75kw
Volume	200L
Kerosene management	Circulating conveying+stable oil pressure (1.3 Mpa)
Supporting components	Oil inlet and outlet pipes
Oil pump size and weight	800*500*450mm,55kg
Fuel tank size and weight	510*450*1170mm,28kg

HV-8000

超音速火焰喷涂设备

HV-8000 HVOF (High Velocity Oxy-Fuel) spraying machine



01 HV-8000 Main control cabinet technical parameters



Item	Parameter
Input power supply	AC380/3P/50Hz±5%
Input power	5kw
Program control	Full closed-loop PLC control
Interface control	12 inch touch screen
Flow control	Full closed-loop control, mass flow controller
Kerosene pressure	1.2Mpa
Kerosene flow rate	0-12GPH
Kerosene flow control mode	Full closed-loop German imported regulating valve
Oxygen pressure	1.6Mpa
Oxygen flow rate	0-2300 SCFH
Oxygen flow control mode	Full closed-loop mass flow controller
Carrier gas pressure	0.1-0.3Mpa
Carrier gas flow rate	0-30L/min
Carrier gas flow control mode	Full closed-loop mass flow controller
Origin of main accessories	Germany, United States, Japan, Italy
Size and weight	1300*800*1420mm,210kg

02 HV-80S Spray gun technical parameters



Item	Parameter
Flame speed	2000m/s
Flame temperature	3000°C
Spray rate	0-9.6kg/h (WC-Co)
Powder particle velocity	1100m/s
Porosity	≤1%
Coating bonding strength	≥70Mpa
Spray powder particle size	-30+5μm,-38+10μm,-45+15μm
Cooling method	water-cooling
Cooling water flow rate	2.3m³/h
Size and weight	450*85*170mm, 4.5kg

03 D-3000 Powder feeder technical parameter



Item	Parameter
Input power supply	AC220/2P/50Hz
Input power	0.2kw
Powder delivery method	Measuring disk
Powder cleaning method	Barrel flipping type
Powder drying function	Heater (optional)
Powder cylinder mode	Single cylinder type
Self cleaning function	Yes
Volume of powder	3.5L
Powder delivery gas	Nitrogen or argon
Powder delivery pressure	0.3-0.6Mpa
Carrier gas flow rate	3-15L/min
Powder delivery speed	0-220g/min
Powder delivery accuracy	±2%
Powder size	5-150μm
Size and weight	710*390*1300mm, 75kg

04 D-30AD Chiller technical parameters



Item	Parameter
Input power supply	AC380/3P/50Hz
Input power	33.7kw
Standard cooling capacity	89.81kw
Refrigerant	R22
Condenser	Finned type
Evaporator	Stainless steel plate changeable
Water volume	16m³/h
Water pump power	2.2kw
Water pump pressure	0.95Mpa
Size and weight	2770*1280*1900mm,930kg

05 KM-80 Oil pump storage system technical parameters



Item	Parameter
Input power supply	AC380/3P/50Hz
Input power	0.75kw
Volume	200L
Kerosene management	Circulating conveying +stable oil pressure (1.3MPa)
Supporting components	Oil inlet and outlet pipes
Oil pump size and weight	800*500*450mm, 55kg
Fuel tank size and weight	510*450*1170mm, 28kg

HA-2000

空气超音速火焰喷涂设备

HA-2000 HVOF (High Velocity Air-Fuel) spraying machine



01 HA-2000 Control cabinet technical parameters

Item	Parameters
Input power supply	AC220/2P/50Hz±5%
Input power	15kw
program control	Full closed-loop PLC control
Interface control	15 inch touch screen
Flow control	Mass flow controller+electrical pressure regulating valve
Propane pressure	1.1Mpa
Air pressure	1.2Mpa
Carrier gas pressure	1.1Mpa
Propane flow rate	0-35kg/h
Air flow rate	300-600m ³
Carrier gas flow rate	0-100L/min
Origin of main accessories	USA, Japan, Italy
Size and weight	1100*750*1360mm,193kg



02 LA2 Spray gun technical parameters



Item	Parameters
Flame speed	≥2000m/s
Flame temperature	1600°C
Spray speed	Max25kg(WC)
Sedimentation rate	30%-55%
Powder particle velocity	850-1100m/s
Porosity	≤0.5%
Coating bonding strength	≥70Mpa(WC)
Coating hardness	Accessible HV1100-1600
Powder particle size	-30+5μm -25+5μm
Size and weight	Φ93*380mm, 6kg

03 Z50P Propane gas supply system technical parameters

Item	Parameters
Input power supply	AC220/2P/50Hz±5%
Input power	6.5kw
Gasification capacity	50kg/h max
Interface specifications	1/2 inch FNPT
Design pressure	250psig-17.2barg
Test pressure	375psig-25.9barg
Size and weight	700*241*260mm, 50kg



04 C-1000 Powder feeder technical parameter

Item	Parameters
Input powder supply	AC220/2P/50Hz
Input power	0.2kw
Powder delivery method	Scraping disc type
Powder cleaning method	Barrel flipping type
Powder cylinder mode	Single cylinder type
Cleaning function	Yes
Powder cylinder volume	2.5L
Powder delivery gas	Nitrogen or argon
Powder delivery pressure	0.1-0.6Mpa
Carrier gas flow rate	0-15L/min
Powder delivery speed	0-220g/min
Powder delivery accuracy	±2%
Powder size	5-150μm
Size and weight	520*410*1260mm, 4 2 kg/pcs



HA-3000

空气超音速火焰喷涂设备

HA-3000 HVAF (High Velocity Air-Fuel) spraying machine



01 HA-3000 Control cabinet technical parameters

Item	Parameters
Input power supply	AC220/2P/50Hz±5%
Input power	15kw
program control	Full closed-loop PLC control
Interface control	15 inch touch screen
Flow control	Mass flow controller+electrical pressure regulating valve
Propane pressure	1.1Mpa
Air pressure	1.2Mpa
Carrier gas pressure	1.1Mpa
Propane flow rate	0-35kg/h
Air flow rate	300-600m ³
Carrier gas flow rate	0-100L/min
Origin of main accessories	USA, Japan, Italy
Size and weight	1100*750*1360mm,193kg



02 LA3 Spray gun technical parameters



Item	Parameters
Flame speed	≥2000m/s
Flame temperature	1700°C
Spray speed	Max30kg(WC)
Sedimentation rate	35%-62%
Powder particle velocity	850-1100m/s
Porosity	≤0.5%
Coating bonding strength	≥70Mpa(WC)
Coating hardness	Accessible HV1100-1650
Powder particle size	-45+15μm -30+5μm -25+5μm
Size and weight	Φ120*470mm, 8kg

03 Z50P Propane gas supply system technical parameters

Item	Parameters
Input power supply	AC220/2P/50Hz+5%
Input power	6.5kw
Gasification capacity	50kg/h max
Interface specifications	1/2 inch FNPT
Design pressure	250psig-17.2barg
Test pressure	375psig-25.9barg
Power supply and power	220V, 6.5kw
Size and weight	700*241*260mm, 50kg



04 C-1000 Powder feeder technical parameter

Item	Parameters
Input power supply	AC220/2P/50Hz
Input power	0.2kw
Powder delivery method	Scraping disc type
Powder cleaning method	Barrel flipping type
Powder cylinder mode	Single cylinder type
Cleaning function	Yes
Powder cylinder volume	2.5L
Powder delivery gas	Nitrogen or argon
Powder delivery pressure	0.1-0.6Mpa
Carrier gas flow rate	0-15L/min
Powder delivery speed	0-220g/min
Powder delivery accuracy	±2%
Powder size	5-150μm
Size and weight	520*410*1260mm, 4 2 kg/pcs



HV-8000H

内孔超音速火焰喷涂设备

HV-8000 HVOF (High Velocity Oxy-Fuel) spraying machine



01 HV-8000H Control cabinet technical parameters



Item	Parameters
Input power supply	AC380/3P/50Hz±5%
Input power	10kw
Program control	Full closed-loop PLC control
Interface control	12 cun touch screen
Flow control	Import mass flow controller
Kerosene pressure	1.5Mpa
Kerosene flow rate	0-12.68 GPH
Oxygen pressure	1.8Mpa
Oxygen flow rate	0-2130 SCFH
Hydrogen pressure	1.8Mpa
Hydrogen flow rate	0-200L/min
Carrier gas pressure	1.2Mpa
Carrier gas flow rate	0-30L/min
Nitrogen pressure	1.8Mpa
Nitrogen flow rate	0-200L/min
Origin of accessories	Germany, US, Japan, Italy
Size and weight	1300*800*1420mm,230kg

02 HV-80S Spray gun technical parameters

Item	Parameters
Flame speed	2000m/s
Flame temperature	3000 °C
Spray rate	0-9.6 kg/h (WC-Co)
Powder particle velocity	600-1100m/s
Porosity	≤1%
Coating bonding strength	≥70Mpa
Spray powder particle size	-30+5μm, -38+10μm, -45+15μm
Cooling method	water-cooling
Cooling water flow rate	2.3m³/h
Size and weight	450*85*170mm, 4.5kg



03 C-1000 Powder feeder technical parameters

Item	Parameters
Input power supply	AC220/2P/50Hz
Input power	0.2kw
Powder delivery method	Scraping disc type
Powder cleaning method	Barrel flipping type
Powder cylinder mode	Single cylinder type
Cleaning function	Yes
Powder cylinder volume	3L
Powder delivery gas	Nitrogen or argon
Powder delivery pressure	0.1-0.6Mpa
Carrier gas flow rate	0-30L/min
Powder delivery speed	0-220g/min
Powder delivery accuracy	±2%
Powder size	5-150μm
Size and weight	520*410*1260mm, 42kg/piece

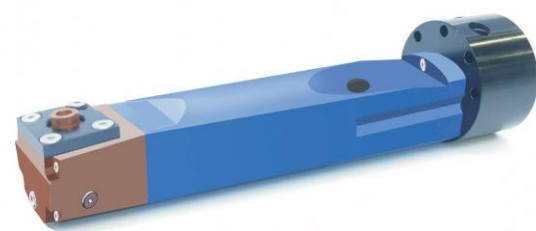


04 HV-80D Inner hole spray gun technical parameters

Item	Parameters
Inner hole diameter	≥150mm
Gun body length	Standard1000mm,The longest length of 3000mm can be customized
Flame speed	2000m/s
Flame temperature	3000°C
Spray rate	2-3kg/h(WC-Co)
Coating porosity	≤1%
Coating bonding strength	>60Mpa
Spray powder particle size	2-10μm, 5-15μm
Cooling method	Water-cooling
Cooling water flow rate	1.6m³/h
Size and weight	φ80*600mm, 8-20kg



05 HV-80E Inner hole spray gun technical parameters



Item	Parameters
Spray inner hole diameter	≥90mm
Gun body length	Standard 600mm, The longest length of 3000mm can be customized
Flame speed	2000m/s
Flame temperature	3000°C
Spray rate	1.2-1.8kg/h(WC-Co)
Coating porosity	≤1%
Coating bonding strength	>60Mpa
Spray powder particle size	2-10μm, 5-15μm
Cooling method	Water-cooling
Cooling water flow rate	1.3m³/h
Size and weight	φ56*600mm, 8-15kg

06 HV-80E Inner hole spray gun technical parameters



Item	Parameters
Spray inner hole diameter	45-60mm
Gun body length	Standard 600mm, The longest length of 3000mm can be customized
Flame speed	2000m/s
Flame temperature	3000°C
Spray rate	0.5-1.5kg/h(WC-Co)
Coating porosity	≤1%
Coating bonding strength	>60Mpa
Spray powder particle size	2-10μm 5-15μm
Cooling method	Water-cooling
Cooling water flow rate	1.3m³/h
Size and weight	φ35*580mm, or customized size, 4kg

07 DX-30AD Chiller technical parameters



Item	Parameters
Input power supply	AC380/3P/50Hz
Input power	33.7kw
Standard cooling capacity	89.81kw
Refrigerant	R22
Input total power	33.7kw
Condenser	Finned type
Evaporator	Stainless steel plate changeable
water volume	16m³/h
Water pump power	2.2kw
Water pump pressure	0.95Mpa
Size and weight	2770*1280*1900mm, 930kg

08 KM-80 Oil pump storage system technical parameters



Item	Parameters
Input power supply	AC380/3P/50Hz
Input power	0.75kw
Volume	200L
Kerosene	Circulating conveying +stable oil pressure (1.3MPa)
Parts	Oil inlet and outlet pipes
Oil pump	800*500*450mm, 55kg
Fuel tank	510*450*1170mm, 28kg

HV-8000S

内孔超音速火焰喷涂设备

HV-8000S HVOF (High Velocity Oxy-Fuel) spraying machine



01 HV-8000S Control cabinet technical parameters



Item	Parameters
Input power supply	AC380/3P/50Hz±5%
Input power	5kw
program control	Full closed-loop PLC control
Interface control	12 inch touch screen
Flow control	Full closed-loop, mass flow controller
Kerosene pressure	1.2M pa
Kerosene flow rate	0-12GPH
Kerosene flow control mode	Full closed-loop control valve
Oxygen pressure	1.6Mpa
Oxygen flow rate	0-2300SCFH
Oxygen flow control mode	Full closed-loop, mass flow controller
Carrier gas pressure	0.1-0.3Mpa
Carrier gas flow rate	0-30L/min
Carrier gas flow control mode	Full closed-loop, mass flow controller
Origin of accessories	Germany, US, Japan, Italy
Size and weight	1300*800*1420mm, 210kg

02 HV-80S Spray gun technical parameters

Item	Parameters
Flame speed	2000m/s
Flame temperature	3000 °C
Spray rate	0-9.6 kg/h (WC-Co)
Powder particle velocity	600-1100m/s
Porosity	<1%
Coating bonding strength	≥70Mpa
Spray powder particle size	-30+5μm, -38+10μm, -45+15μm
Cooling method	water-cooling
Cooling water flow rate	2.3m³/h
Size and weight	455*85*170mm, 4.5kg



03 D-3000 Powder feeder technical parameters

Item	Parameters
Input power supply	AC220/2P/50Hz+5%
Input power	0.5KW
Powder delivery method	Measuring disk
Powder cleaning method	Barrel flipping type
Powder drying function	Heater (optional)
Powder cylinder mode	Single cylinder type
Self cleaning function	Yes
Volume of powder storage cylinder	3.5L
Powder delivery gas	Nitrogen or argon
Powder delivery pressure	0.15-0.3Mpa
Carrier gas flow rate	3-15L/min
Powder delivery speed	10-220g/min
Powder delivery accuracy	±1%
Powder size	5-150um
Size and weight	710*390*1300mm, 75kg



04 HV-80D Inner hole spray gun technical parameters

Item	Parameters
Inner hole diameter	≥150mm
gun body length	600mm, optional 700-3000mm
Flame speed	2000m/s
Flame temperature	3000°C
Spray rate	0-2.4kg/h(WC-Co)
Coating porosity	<1%
Coating bonding strength	>60Mpa
Spray powder particle size	2-10μm, 5-15μm
Cooling method	Water-cooling
Cooling water flow rate	1.6m³/h
Size and weight	φ80*600mm, 8-20kg



05 DX-30AD Chiller technical parameters

Item	Parameters
Input power supply	AC380/3P/50Hz±5%
Input power	33.7kw
Standard cooling capacity	89.81kw
Refrigerant	R22
Condenser	Finned type
Evaporator	Shell and tube evaporator
Evaporator freezing water volume	15.75m ³ /h
Water pump power	2.2kw
Water pump pressure	0.9Mpa
Size and weight	2700*1700*1900mm,930kg



06 KM-80 Oil pump storage system technical parameters

Item	Parameters
Input power supply	AC380/3P/50Hz+5%
Input power	1.5kw
Volume	200L
Kerosene	Circulating conveying+stable oil pressure (1.3MPa)
Assembly	Oil inlet and outlet pipes
Oil pump	810*510*460mm, 55kg
Tank	510*450*1170mm, 28kg



PERIPHERAL UNIT 外围设备



Multi station turntable



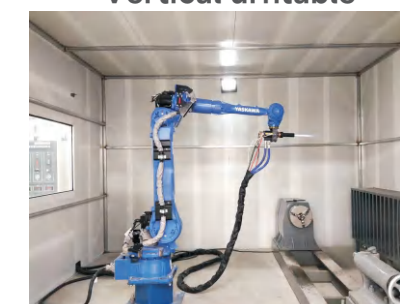
Vertical urntable



Sandblasting machine



Two axis robotic arm



Six axis robotic arm



Horizontal turntable



Side insertion pulse dust collector



Spray painted soundproof room



Automatic recovery type sandblasting room



Automatic spraying production line



Multi-station vertical turntable



Multi-station turntable

CUSTOMER STORIES

客户案例



INDUSTRY APPLICATIONS

行业应用

