



Tel: +86 166 9219 0701

E-mail: info@jiutaiendoscope.com

Address: Xinyuan Financial Square, Jingsan Road, Zhengzhou City, Henan Province, China

Website: www.jiutalendoscope.com

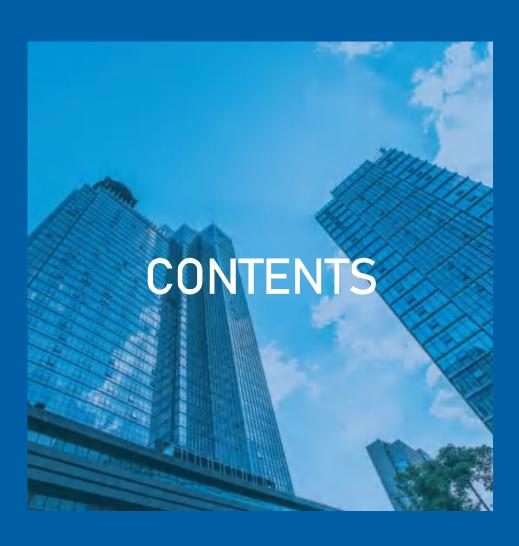


Website



Zhengzhou Jiutai Technology Co., LTD

Using our technology to help world industry



Zhengzhou Jiutai Technology Co., LTD

Company profile About us 01 Company strength — 03 Development event ----- 07 Products introduction Pipe crawler Robot Camera Series ----- 11 Pipe inspection camera series 27 Win-win cooperation Business partner 41 Sales network ------43

ABOUT US









Produce

Zhengzhou Jiutai Technology Co., Ltd. was founded in 2010, is a

professional high-tech enterprises committed to NDT field(pipe camera, borescope, pipe crawler robot camera, thickness gauge.) R & D, production, sales and provide customized solutions for customers!Since Jiutai technology company established, the company has developed pipe inspection camera series, antiexplosion camera, pipe camera series, borescope camera, CCTV pipe crawler robot camera series, wind turbine blade inspection robot camera. Magnitic crawler thickness measure robot camera series, etc. Welcome to visit our factory!

15⁺ Focus on R&D

20⁺ Related industry field

90⁺ National patent



COMPANY STRENGTH



Professional manufacturer of pipe inspection camera and crawler camera system





Using our technology to service world industry

- At the end of 2016, our company was awarded as a technology-oriented enterprise, and the CE and ISO certificates were successfully issued. During the same period, our company also applied for the registration of a number of software Copyrights, and was rated as a high-tech enterprise.
- In 2020, our company became the top technology enterprise in Henan Province.
- Up to now, we have applied for nearly 100 utility model patents and a number of invention patents.





DEVELOPMENT EVENTS



Committed to creating first-class production technology and service.

From China to the world,

We are moving towards a more diversified future.

2018 2020

2022

2025

Leap

Optimize

Strengthen

Creation

with China's five major power generation groups and State Grid Power Company.

80+ countries. The company has played an important role national natants, served became to the Henan Province in the diversion of rain and 10000+ customers. science and technology elite sewage pipe network, enterprise.

Overseas sales to more than. The CCTV municipal crawler completion acceptance, environmental supervision and so on.

MUNICIPAL PIPE NETWORK TESTING SOLUTION



GGTV pipe crawler camera system is widely used in pipeline internal structure damage, deformation, blockage and underground pipe network discharge, such as the culverts, tunnels, river silting, high water level complex conditions. CCTV Pipeline rabot camera, include the pipe grawler body camera, automatic electric wire barrow, tablet control. PTZ camera. 2/4MPG industrial pixel, generate real-time pipe inspection report.It has the advantages of strong obstacle crossing ability, efficient and durable, waterproof, wide detection range and so on. Very popular on the market and export all ever the world.

Meet various inspection needs











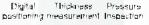
salvage





modeling













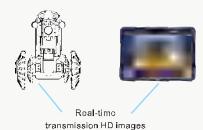


PAGE / 09 PAGE / 10



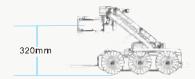
HD PTZ camera

- 360° endless rotate, 220° flip.
- It adopts 2~4 MPG HD pixels to clearly restore details.Real-time transmission of HD images.
- 10 times zoom in and out, auto focusing.



Electric Lifting Camera

Equipped with electric lifting platform, with 119mm wheel diameter, the height of the lens from the ground is 320mm.



3 diameter wheels for choice







Report System

Built-in defect interpretation software, according to the actual working conditions, can automatically identify internal cracks, deformation, blockage, scaling, rupture and other defects, and generate real-time pipeline inspection report files, detailed analysis of internal pipeline inspection data, and support online editing.







Parameter

Screen	12 inch HD LCD screen	Resolution	2560*1600
Storage capacity	32G(Max. 1 TB)	Front Camera	360° rotate,220° flip
Front Camera Pixel	2~4 MGP	Rear Camera Pixel	Megapixel
Front Camera Lux.	20*10000LUX	Rear Camera Lux.	20*10000LUX
Waterproof	IP68	Inspection length	100-300m (customized)
Pipe Dia.	200~3500mm	Winding mode	Auto/Manual



Advantages

- 360 degree no dead Angle inspection, 2MGP HD real-time inspection images.
- Front/rear dual lens, switch freely, Real-time reversing image.
- Equipped with count mater device to effectively record inspection distance and defect location.
- Laser measurement technology helps determine defect size.
- IP68 Waterproof, easily inspect in complex working conditions.
- Inspect length 100-150m optional, wide range of applications.

Multifunctional crawler body

Comprehensive inspection without dead ends



Suitable pipe diameter : DN120-800mm Lens angle: 350°endless rotation/220°flip Function: laser measurement/macro focusing

Metal lens Small crawler body Anti-collision and wear-resistant (Minimum DN100mm pipe can be entered)





The camera lans can 360 degrees endless rotate, 180 degrees flip, electric focus, and HD images. Metal lens, it has high durability and stability, and can work for a long time in harsh environments without being easily damaged. It provides an important scientific and effective basis for pipeline repair solutions.

Application

It is mainly used in municipal engineering, petrochemical and natural gas pipelines, energy and electricity, construction industry, transportation infrastructura, mine drainage systems, environmental protection and other fields.



electricity











Product advantages

HD resolution

Equipped with HD camera, Industrial pixel: 2 megapxiels.

All aspects inspection

360°rotate 220°flip, no dead angle.

Laser Function

Laser measurement to help judegment the defect.

Electric Focusing

Pan and tilt camera, electric focusing, 10 times zoom and out.

Front and rear double camera

To prevent the crawler from encountering obstacles in the process of winding up, real-time reverse image is presented.

Electric wire winder,adjustable speed

Equipped 100-150meter wire real, Strong heat and wear resistance.



Patrochemical pipelina cleaning inspection



Centent pipe grack inspection



pipeline inspection

Application







aunervision

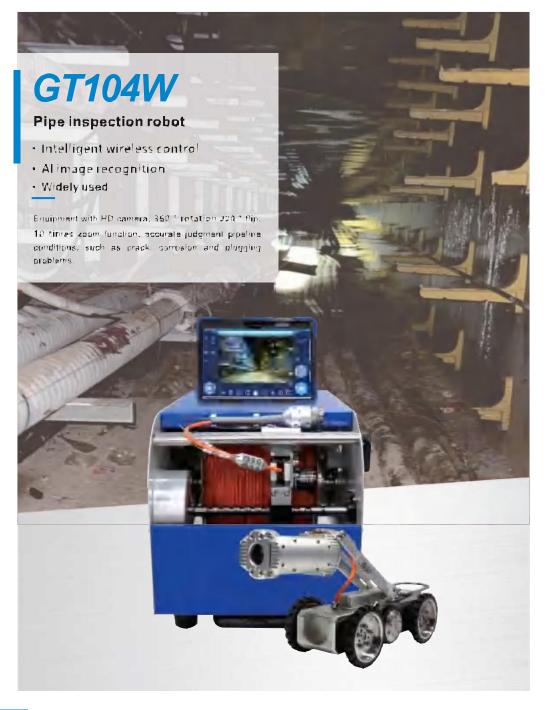


It is suitable for the inspection of long distance pipeline. with 150mm-3000mm diameter, for the inspection of cracks, corrosion, weld, foreign body and other defects inside the pipeline.

Parameter

Display dimension	10.1"	Display resolution	1920*1080
Storage capacity	32G(Max. 1 TB)	Controller size	360*310*170MM(L*W*H)
Pixel	2 megapixels	Lux.	Front 20*10000LUX
Waterproof	IP68	Inspection length	100-150m (customized)
Wheel	Optional(73mm/110mm)	Winding mode	Auto/Manual

PAGE / 15 PAGE / 16



Product advantages



Electrical lifting camera

- 360° panoramic camera system, rotation and flip, inspect without dead angle.
- 2-4 MGPS, real-time transmission of HD images.
- 10 times zoom in and out, automatic/manual focus! Achieve the best video effect with precise zoom focusing.

Portable tablet controller

The system has built-in defect identification software, which can enter the pipeline for video recording, defect capture, and make professional inspection reports.





Small body/widely used

- Adopts modular design, 6 wheel drive, the builtin Angle sensor, Convey the state of the car body in motion in real time.
- Small size, flexible movement, adjustable crawling speed, etc., and is widely used in all kinds of hidden limited space for real-time image detection. The detection distance can reach 100-200 meters.

Application

It is suitable for pipes DN150mm and above, which is used to detect defects such as cracks, corrosion, welds, foreign bodies and blockage inside pipes.



Garden construction



Engineering

Road V

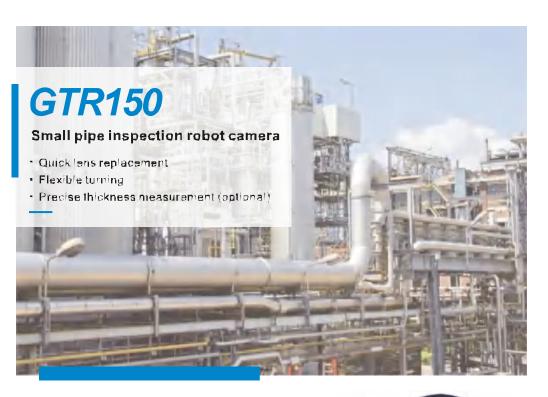


supply piping

Gas pipe



■ PAGE / 17 PAGE / 18



Product introduce

The GTR150 series is a portable pipe inspection robot designed for small pipelines. The HD camera lens can provide clear image, support 360° endless rotation and 220° flipping, and ensure all-round inspect pipeline inner. In addition to basic inspection functions, it can customized thickness measurement or salvage, providing important data for assessing the pipeline. The body is compact and can easily enter hidden and narrow spaces for defect inspection operations.







Advantage

Quickly replace cameras Adapt to different pipe diameters

- Inspectors can replace the 37mm/49mm panoramic focusing lens and adjust the lens position to suit different pipe inspect.
- The body is small and flexible, suitable DN150mm pipe inspect, can adapt to various complex pipeline environments.



Accurate thickness measurement **Expandable salvage function**

- 360° all-round measurement, easily inspect complex working conditions such as straight pipesections/elbows/
- By controlling the rotation angle and position of the camera, the robot can accurately locate the point to be measured, improving the reliability of the data.



Intelligent control Efficient and portable

- Equipped with a portable tablet, it is easy to operate, and can be completed by one person, effectively improving the inspection efficiency.
- It has powerful real-time data processing capabilities and can generate inspection reports, providing comprehensive data for subsequent pipeline maintenance work.



Application

It is widely used in oil and gas pipelines, nuclear power and thermal power plants, chemical plants, refineries, pharmaceutical plants, metallurgy, ships and other fields to promptly inspect hidden dangers such as wall thickness reduction, corrosion and perforation of pipelines.



industry





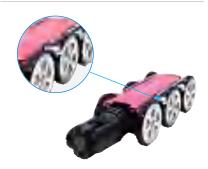


power pipeline Casting

PAGE / 19 PAGE / 20



Advantage



HD 360 degree inspection

- 360 degree rotate, 220 degree flip , inspect without any dead angle.
- Equipped with 10x zoom and macro focusing technology, automatic/manual focusing, Achieve the best video effect with precise zoom focusing.
- 2-4 MGPS, real-time transmission.
- Anti-rollover early warning, more efficient working Portable tablet control terminal.

Portable tablet control terminal

- Wireless digital signal transmission, operation without delay, strong anti-interference.
- Built-in defect interpretation software, and realtime generation of inspection report. Detailed analysis of internal test data, support online editing.









Super obstacle & climbing

Modular design, 6-wheel drive, climbing Angle up to 45 degrees, Built-in tilt sensor to convey the state of the vehicle body in real time. The whole machine small,portable, and adjustable climbing speed, widely used in a variety of hidden and limited space, internal real time image detection operations.

Application

Suitable for 200mm~5000mm pipe diameter. Defects such as cracks, corrosion, welds, foreign matter and blockage in the pipeline.



blade



industry

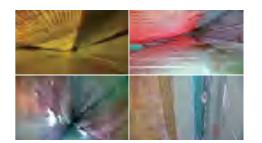


pipeline





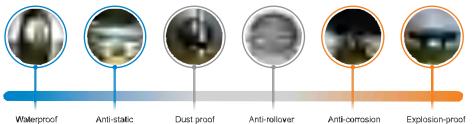




PAGE / 21 PAGE / 22



Six defense design



Advantage

According to the industry conditions, you can choose to install a lifting camera pan/HD panoramic lens, and use the one-button auto scanning function to shoot and transmit HD images in real time, define defects in time, and use image data for filing, making tank truck inspection safer and more efficient.





Zone I working environment / Defect location



Suitable pipe diameter: above 115mm



- 2MGP industrial-grade ultra-HD pixels.
- 10 Times Zoom and macro focusing, auto focusing.
- Front and rear dual-view, free forward and backward in the tank truck, present the reversing image in real time
- Continuous observation of welds and auto scanning of wavebreaking plate welds.
- Lens lifting and the compact body make it easy to pass through the wave-breaking board.
- Inspection length: 100M-Customized.











10X Zoom Auto-focus Front and rear 360°weld dual-view

Lens lifting

Zone II working environment / Laser measurement

- 360° rotate 220° flip, one-click auto scanning and one-click reset.
- Flexible multi-level light source, clearer in large spaces.
- 10x zoom, optical focus, auto micro focus adjustment.
- Laser measurement assist in determining the size of defects.
- Unique wheel structure, easy and flexible to move forward, backward and turn, and adjustable speed.













Auto scan

One-click Zoom&Focus Adjustable

light measurement



Suitable pipe diameter: above 140mm

PAGE / 23 PAGE / 24



Product introduce

The GTDR-200 series crawling robot is composed of an intelligent tablet, retractable variable diameter crawler. HD panoramic visual sensor, and flexible cable. Through the panoramic lens, the inspection image and data are transmitted to the control in real time. It is suitable for more than 100mm pipeline working condition inspect, and timely records and archives defects such as cracks, corrosion, blockage, welds, foreign matter, etc. inside the working condition. Generate inspection reports in real time.

Diameter can be customized to fit a variety of pipes.



Advantage

• Electric opening and closing Pipe diameter self-adaptation function

Multi-joint robotic arm design, Automatically adapt size according to the pipe diameter, Enable precise movement and positioning. This design make the robot to easily pass through curved pipes and welds without getting stuck or falling due to shape restrictions.



• Wide-angle direct view/HD images

The wide-angle direct-view enables the camera to capture wider field view. The high-brightness lighting source can clearly inspect pipeline inner defects. The lens adopts 2 million industrial pixels, and intelligent key function operation.

Vertical/Horizontal/turn inspection no limited

The robot has excellent vertical/curving inspection capabilities and can quickly and accurately obtain image information inside the pipeline even in vertical sections or hard-to-reach turns.

(Pressure inspection robot can be optional according to demand.)



Application

Widely used in petrochemical, gas, nuclear power, offshore platforms, shipbuilding, metallurgy, food and medicine, military industry, water supply network, heating network, gas and other fields.











Petrochemical Gas pipe

Nuclear power Shipbuilding

er Simpouliumg

GT220

Portable Push Rod Camera

Multifunction

- Compatible with different cameras
- Standard Length 20m(20-120m)
- Easy to operation

Featured

- 360 " rotate without dead angle
- Wirelss keyboard/recording function
- Meter counter device
- Multiple language

All in one pipe camera High compatibility Waterproof IP68





Production Introduction

GT220 series push rod camera is a box type portable HD pipeline inspection equipment for sewer pipe, drain pipe container internal and boiler, etc. inspection . All the accessories are assembled in one carrying box, suitable for outdoor complex environment detection operations. Multifunctional, supports different diameters of camera, take photo and video, take quick snap and mark the location information of defects in the pipeline. (Inpection range: 18~400mm)

Parameter

Display dimension	10.1"	Display resolution	1920*1080
Storage capacity	1TB(max)	Box size	492*446*200mm
Camera	16mm/21mm/37mm/49mm/51mm	Rosolution	Megapixel
Length	20-120m	Customized	512hz





Technology Advantage

Flexible Inspection Rod

1-6m length

Plug-in lithium battery

Long working time, can be charged quickly and change at any time.

Adjustable Lightness

Support electric one key defogging function.

HD Rotate Camera

2~4 megapixels, With 30X zoom function.

Laser measurement

Able to judge the location of defects.







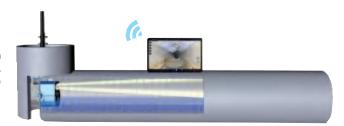
Lens parameter





Application

Mainly used in municipal (industrial) drainage pipes, water pipe, integrated pipe, Tunnel Portable and easy to install.





Application

Suitable for 7~800mm diameter industrial pipelines. or complex and narrow equipment internal space, for inspection of corrosion, cracks, welds, foreign matter, wear, and internal processing of parts. It has been widely used in energy and power, petrachemical, production and manufacturing, aerospace and military industries.



Portable Multifunctional touch host



- 7 inch IPS full-view HD touch screen.
- Defect measurement, Real time data displayed and recorded in image/video.
- Support image zooming/rotation, multi-touch pinch gesture zooming.easy operation.
- Doodle/tag/edit pictures for the operator to organize later.
- Wifi module built-in, networkable, remote control.
- Work continuously for more than 6 hours when fully charged.







battery magnification



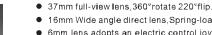
Image edit





transmission measurement

Suitable for different pipe diameters



- 16mm Wide angle direct lens, Spring-loaded lens, easily pass.
- 6mm lens adopts an electric control joystick, well control, small and flexible.
- LED light source, adjustable light, clear images under different lighting conditions.
- Cable length optional, meet the inspection needs of large/small pipelines or complex structures.
- IP68 waterproof, can withstand 10 meters of water depth. (Hook camera IP67 waterproof).













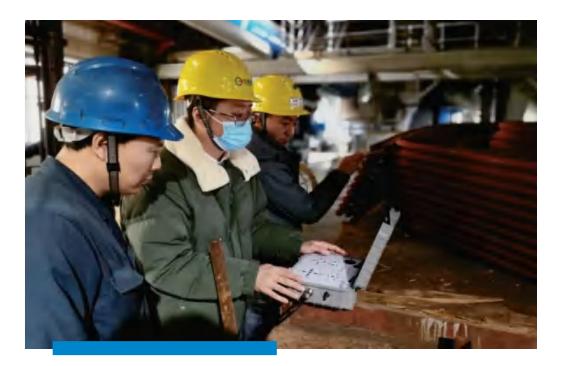
Detection

control joystick adjustable

focusing

Waterproof

PAGE / 31 PAGE / 32



GT230

Pipe inspection camera

Wide-angle front-viewing / Handheld

Product introduction

360° camera can inspect inner pipe without dead angle, 5.5 smaller camera can be go into the thinner pipe, easy fo all kinds of complex conditions.



Product Feature



Easy Operation

10.1 inch LCD screen, video and photo together, offer detailed material evidence in time for pipe ,container internal judgment.



HD Full View

360° rotate endless, 220°flip, inspection without any dead angle. Megapixel, HD image.



Lighting system

LED highlighting, the brightness can be adjusted.



Multifunction

Strong compatibility, match with 5.5/8/16/21/28/37/51/90mm camera, Fishing Pliers optional.



Focusing function

Electric focusing, make more clear image of inspection.



Cable reel Optional

Portable Handheld Cable reel And Push rod cable reel is optional according to the inspection distance with meter counter.



Centralizer(Optional)

Match the centralizer,

Keep the camera in the center all the time.



Parameter

Display dimension	10.1"	Display resolution 1920*1080	
Storage capacity	1TB(max)	Display character	time/date/electricity/meter
Camera	5.5/16/21/37/51/75/90(mm)	Resolution	Megapixel
Coil length	20-120m	Pipe diameter	7~ 800mm

■ PAGE / 33



Portable controller

- 7 Inch HD Screen, ensuring clear images.
- Multiple lenses available, adapts to different pipeline inspection needs.
- Supports real-time capture images and videos, making it easy for users to record and review the inspection process.
- Folded sunshade design, self-adjusting angle, effectively
- Equipped with a rechargeable battery, the battery life can reach 6-8 hours.
- It supports massive information storage and can transfer inspect pictures or videos to computer or other device, For further analysis and processing.





Metal Lens



wide angle lens



8mm front-view all-in-one lens

Be used for different pipe diameter

The lens can be quickly replaced to meet the different pipe diameters inspect needs. Lens pixels: more than 2.1 million industrialgrade pixels.

Suitable pipe diameter: DN10mm-800mm.

360 degree panoramic inspection



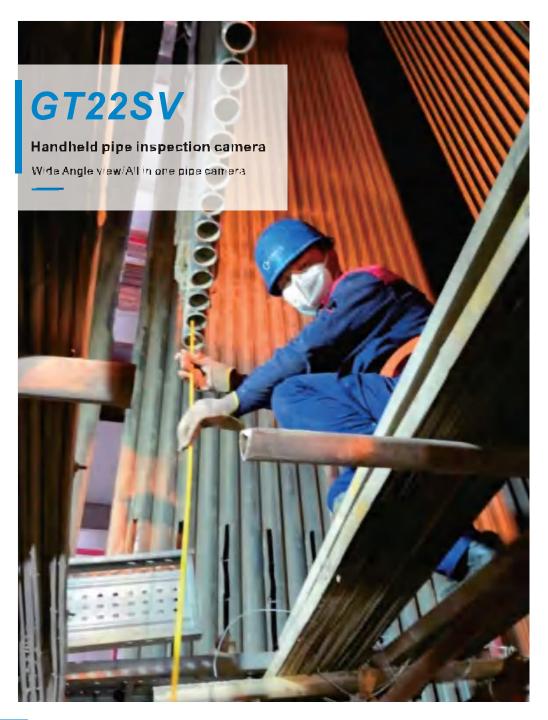
- The electric focus function makes the image clearer and captures the working conditions details.
- Adjustable LED high light ensur clear images even in low-light
- IP68 Waterproof, can work stably in wet or underwater environment.
- According to the working conditions, a centralizer can be equipped to ensure inspection task.

Accurately locate the fault point



- Display the cable length in real time to determining defects location.
- The cameras are equipped with meter reset function.
- Using GFRP hard inspect line, waterproof, oil-proof and wearresistant.
- The push rod camera take up and pay off smoothly.
- Can choose handheld telescopic wire reel (within 30 meters)/pushpull telescopic wire reel (30-120 meters).
- Other lengths can be customized.

PAGE / 35 PAGE / 36





Cable mateial

- GRFP wire with strong wear and corrosion resistance easy to operation.
- Optional hand-held steel strand, anti fall and wear resistant, full toughness, easy to turn 90 degrees.



assist to judge the location of defects.



- It is suitable for long distance pipes.
- It is suitable for pipes with more bends.

Parameter

Dia.	Ф21	Ф16	Ф8
Pixel	megapixel	megapixel	480000
View angle	120°	120°	100°
Lux.	10000LUX	10000LUX	10000LUX
Length	20~30m	20~30m	20~30m
Inspection range	23~200mm	18~200mm	10~50mm

■ PAGE / 37 PAGE / 38 I





Application

Pipes diameter from 4mm-200mm. It can inspect all kinds of industrial pipeline or small equipment space for comprehensive inspection, such as corrosion, foreign body, weld, sunder, parts wear and internal processing, etc.

Parameter

Dia.	Ф2.2	Ф2.8	Ф3.8	Ф6.0	Ф8.0
Pixel	300000	480000/megapixel	480000	480000/megapixel	480000
Viewing Direction	Front view	Front view/Sideview	Front view / Sideview / Front&side view dual lens	Front view / Sideview / Front&side view dual lens	Front view / Sideview / Front&side view dual lens
View angle	120°	120°	90°/120°	90°/120°	90°/120°
Light source	20000LUX	20000LUX	20000LUX	100000LUX	100000LUX
Length	1.0~2.0m (Customzied)	1.0~3.0m (Customzied)	1.0~5.0m (Customzied)	1.0~3.0m (Customzied)	1.0~10m (Customzied)









BUSINESS PARTNER



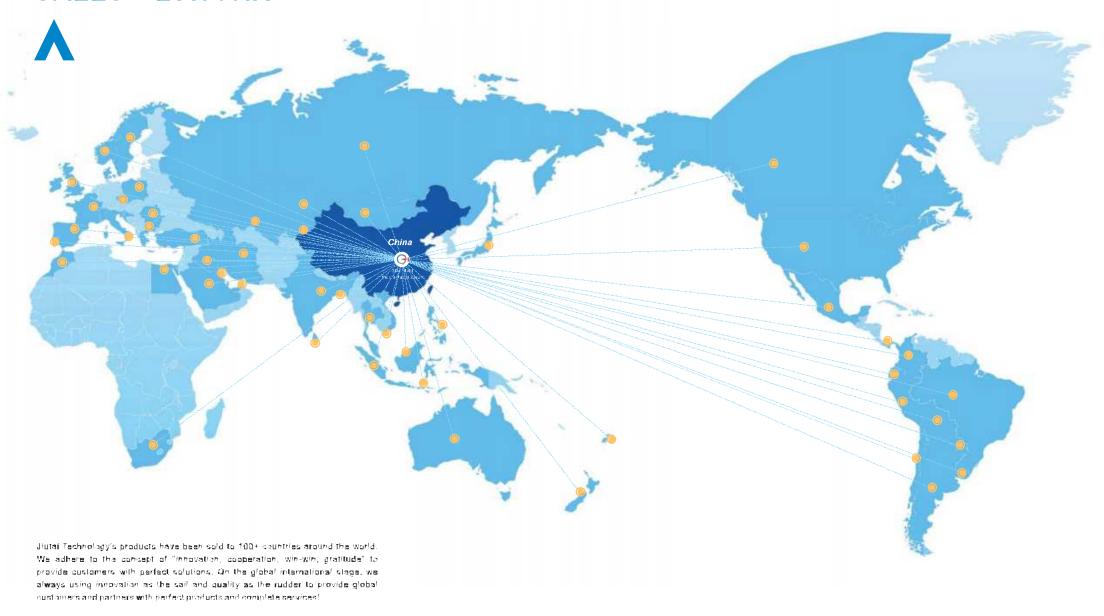
Innovation · cooperation · win-win and gratitude

From using industry-leading technology to implementing strict quality inspections, we require professionalism and excellence in every link to fully meet customer various specific needs. With the advantages of durable and reliable products, we have established long-term and stable cooperative relationships with many customers.



■ PAGE / 41 PAGE / 42 I

SALES NETWORK



AGE / 43 PAGE / 44