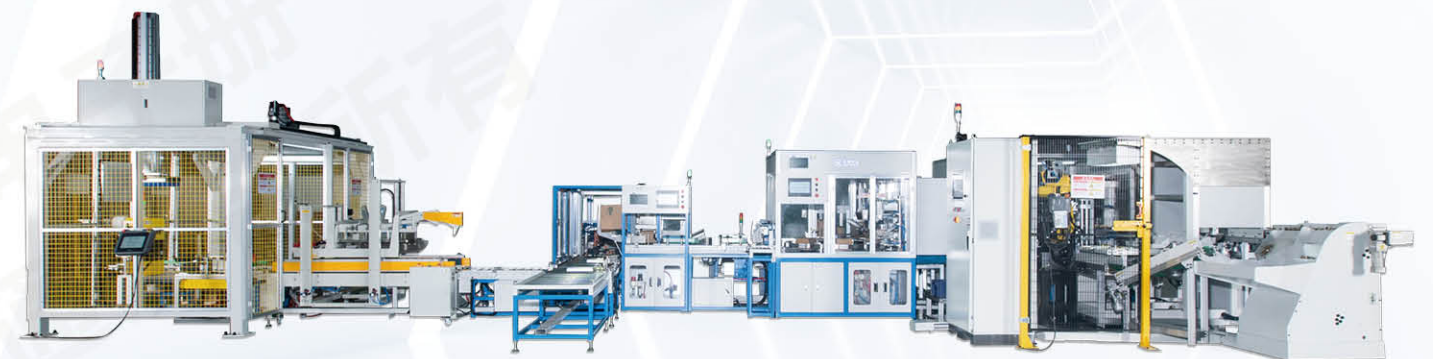


Dading Empowers You to the peak.



Focus on R&D, manufacture, sale and service of made-to-order automatic equipments



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Consulting QR code



Consulting QR code

Zhejiang Dading Intelligent Technology Co.,Ltd.



Corporate values

Honest
Positive

Enterprise spirit

Combine talents
Optimize system
Create profit
Benefit employees
Contribute to society

Business policy

Based on Quality
Insist on excellent service
Development from
continuous innovation



COMPANY PROFILE

Zhejiang Dading Intelligent Technology Co., Ltd is dedicated to R&D and the manufacture of equipment for intelligent production, assembly, testing and packaging. Applied to a wide range of industries includes plumbing, sanitary ware, domestic and industrial valve sectors.

Using our highly skilled team, we integrate mechanical, software, motion technologies and robotics to create intelligent solutions.

Da Ding Intelligent will continue to extend our core competence on developing and integrating automation equipment system technologies. Focusing on customer requirements and with the commitment to deliver the best quality and reliable solutions.

We aspire to be the leading company within our industry and challenge ourselves to become an exemplary organisation now and in the future.



2015
Established in



7000m²
Floor space

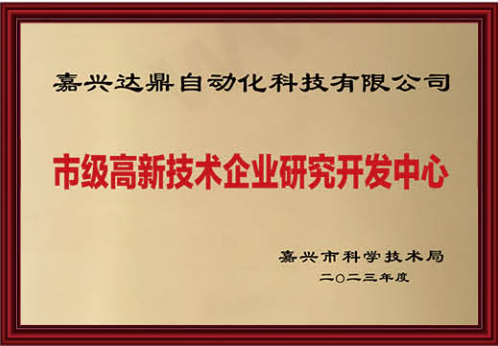


57+
Patent certificate



80+
staff

CERTIFICATE



PATENT



FULL-AUTOMATIC BALL VALVE HANDLE ASSEMBLY PRODUCTION LINE

Features

Compatible with two different specifications of ball valves, with a pre-set feeding system for different specifications of accessories, enabling quick mold changes for different specifications of ball valves.

When the nut, gasket, stem are compatible, the production line can produce two specifications of ball valves.

The positioning fixture adopts a pull-out positioning pin for quick replacement.

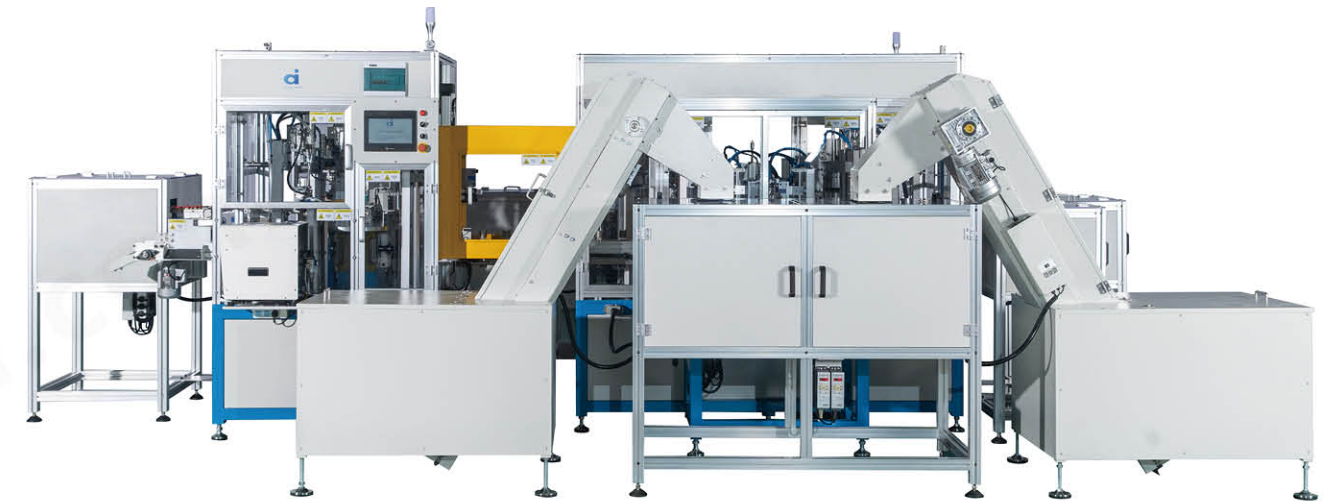
Advantages

Product is automatically connected and transferred from machine to machine without operator involvement.

The accessory feeding system is pre-set, with fast line changing and simple and flexible operation.

Cycle time: 5 seconds/pcs, output: 700 pieces /r hour.

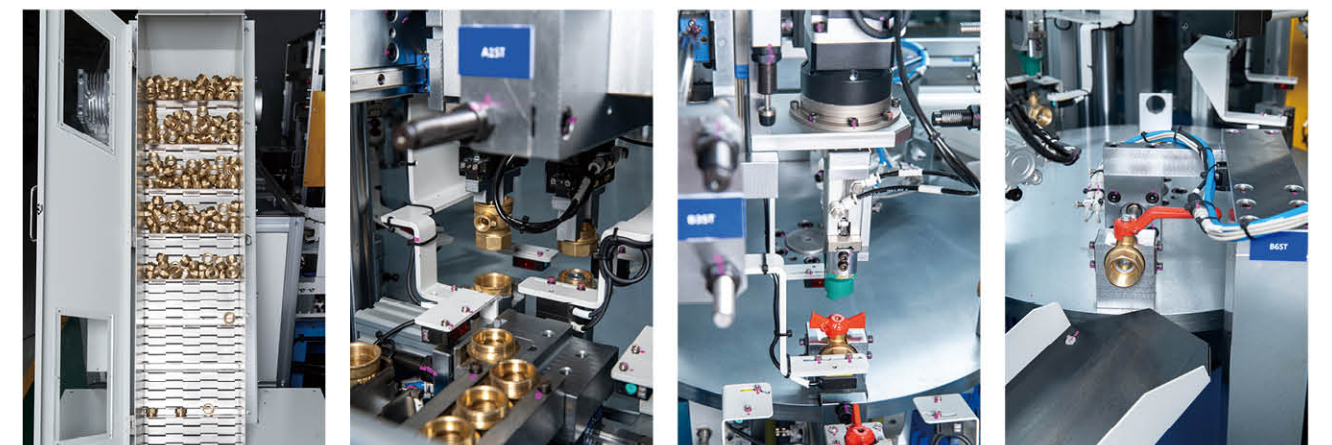
Product display



Dimension (m)

6.2m (L)*4.3m (W)*2.3m (H)

Detail presentation



AUTOMATIC ASSEMBLY MACHINE FOR BALL VALVE

Features

The line includes a multi-joint robot, dual vision of uploading and unloading system, a fully automatic valve body assembly system and an auto- loading and stacking system for finished products. The valve body feeding system is equipped with dual vision and FANUC high speed multi-joint robot. It only takes 3.8S to complete the valve body feeding operation.

The entire process is fully automatic operated: auto-feeding through the empty tray, auto-placing the valve body, auto-stacking the trays until auto-placing for final qualified products into the special trays.

It can be connected with MES to receive production instructions, upload production real-time data and calculate production costs to achieve the production and energy management.

Advantages

The equipment adopts full automatic working mode. It only requires one operator for material feeding and equipment maintenance.

The automatic- process for trays stacking and auto-unloading and distribution for qualified products has improved the efficiency on material turnover and link to the AGV automatic transportation tool.

Cycle time: 5 seconds/pc, Output: 700pcs/hour.

Product display



Dimension (m)

5.7m (L)*4.6m (W)*2.3m (H)

Detail presentation



BALL VALVE AUTOMATIC ASSEMBLY, THREAD SEALANT CURING, AND AIR TIGHTNESS TESTING PRODUCTION LINE

Features

The production line is compatible with 1/2–2 inch ball valves and is equipped with a thread adhesive curing device to achieve ball valve assembly, adhesive curing, and airtightness testing in a connected production process.

The airtightness testing system is configured with four sets of high-precision ATEQ leak detectors to ensure stable and reliable test results.

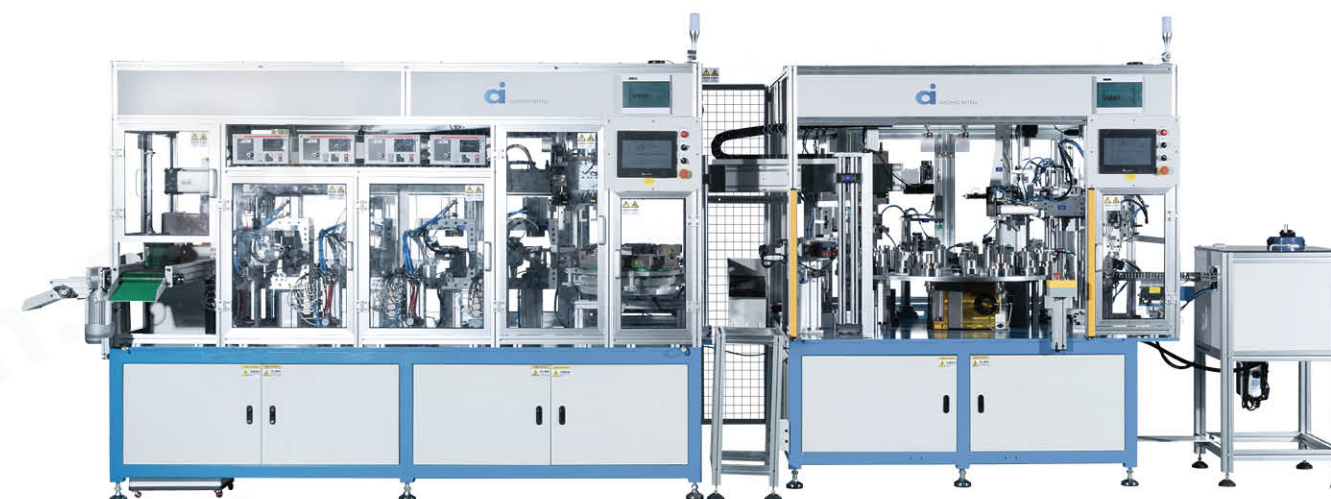
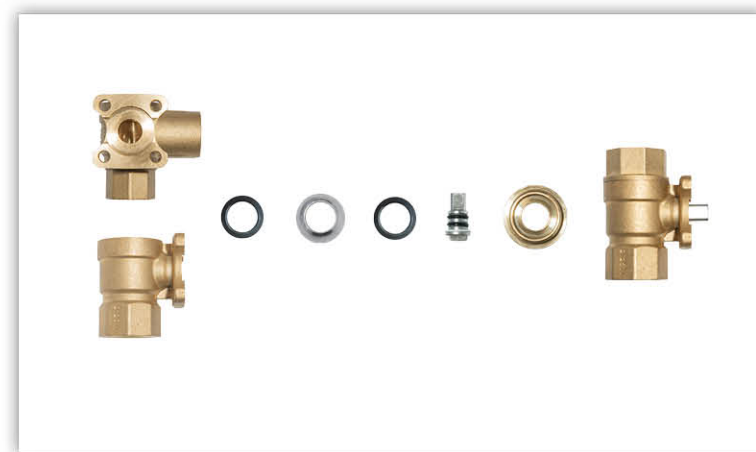
The positioning fixtures use pull-type positioning pins for quick replacement.

Advantages

The production line allows one operator to complete assembly and testing processes. It has strong compatibility, quick line changeover, and simple and flexible operation.

Cycle time: 8 seconds/pcs, Output: 450 pcs/hour. (Different lengths, different rhythms)

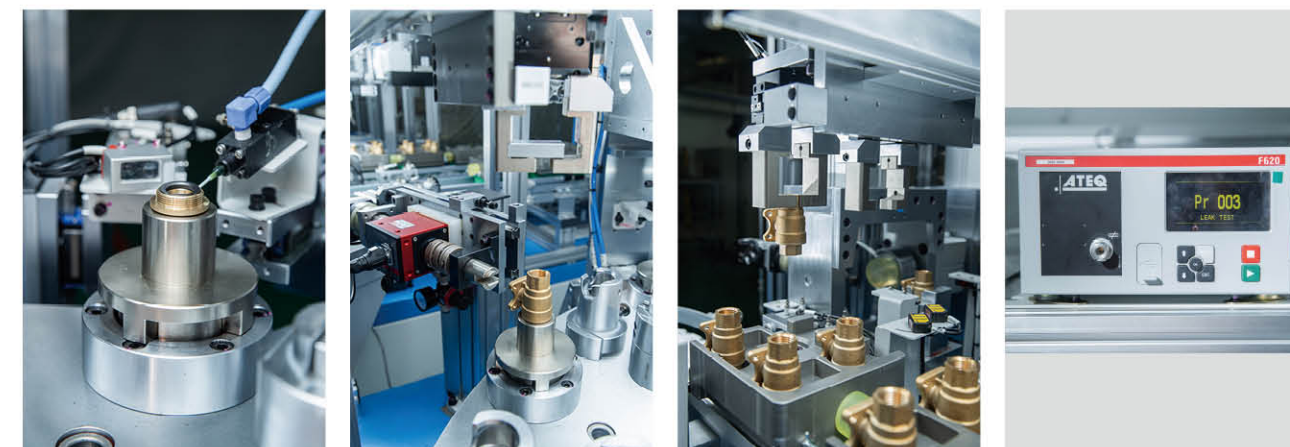
Product display



Dimension (m)

6.6m (L)*2.6m (W)*2.3m (H)

Detail presentation



AUTOMATIC MACHINE FOR BALL VALVE AIR LEAKAGE TEST WITH HANDLE ASSEMBLY

Features

It is equipped with 8 sets of ATEQ high-precision differential pressure leak detectors to test the internal and external leakage of ball valves.

It is equipped with two sets of laser etching machines which can complete the marking operation of 360° circumference of the ball valve body at the same time.

Ball valve air leakage test, laser etching and handle mounting are integrated into one machine, reducing process transfer and increasing production efficiency.

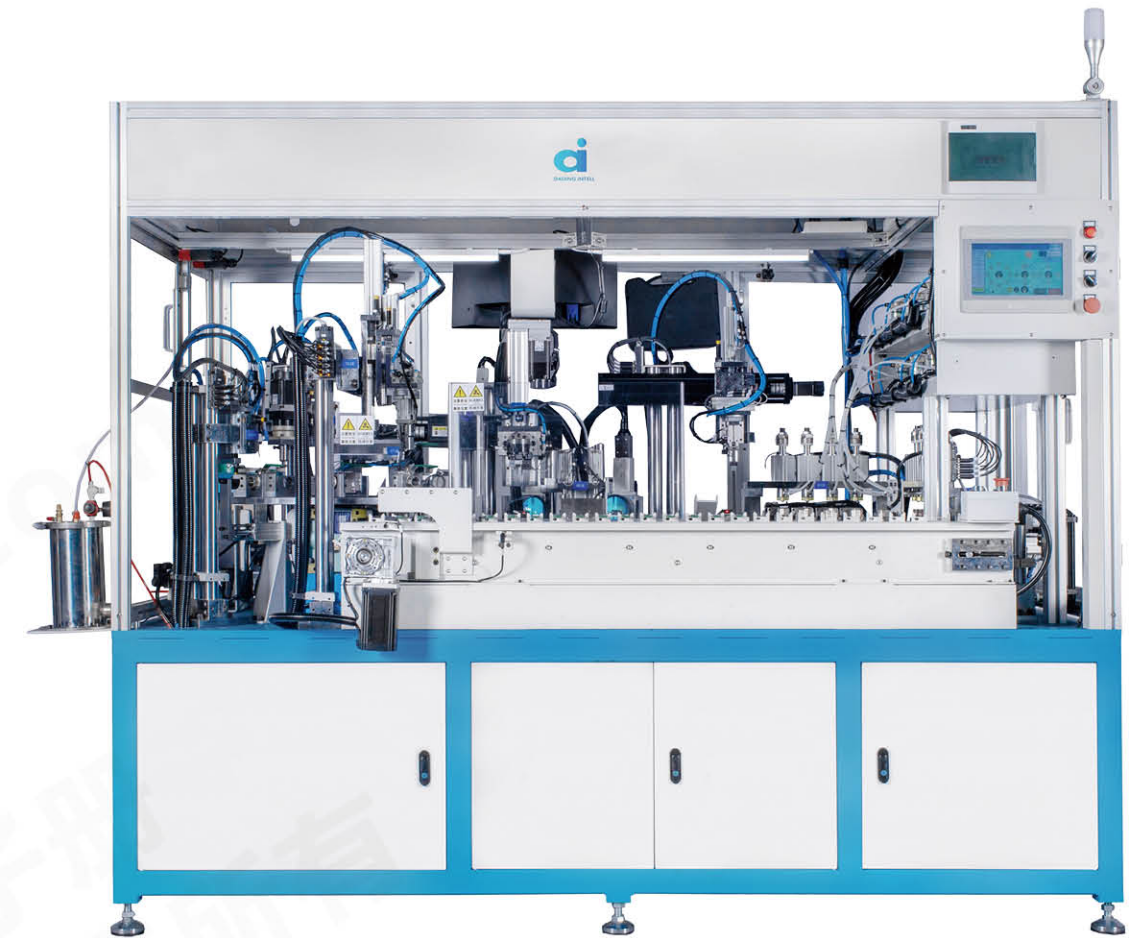
Advantages

The 3 processes are integrated into one machine and can be operated by one operator, saving labor costs.

High-precision differential pressure leakage detectors are configured to ensure stable and reliable quality.

Cycle time: 5 seconds/pc, Output: 700pcs/hour.

Product display



Dimension (m)

2.7m (L)*1.9m (W)*2.4m (H)

Detail presentation



FULLY AUTOMATIC ASSEMBLY MACHINE FOR WASHING MACHINE HOSE

Features

The fully automatic production line for washing machine hoses includes automatic hose feeding, fixed-length cutting, visual inspection of accessories, automatic assembly, crimping, airtightness testing, and bundling processes.

The connecting nuts are inspected from all around by cameras to ensure 100% of defective nuts are screened out.

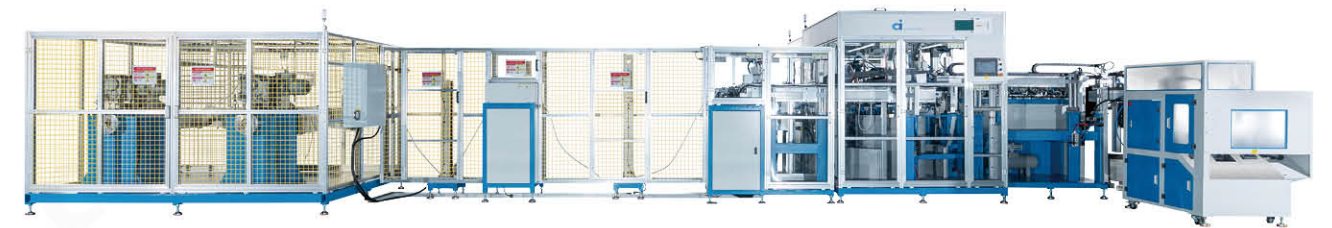
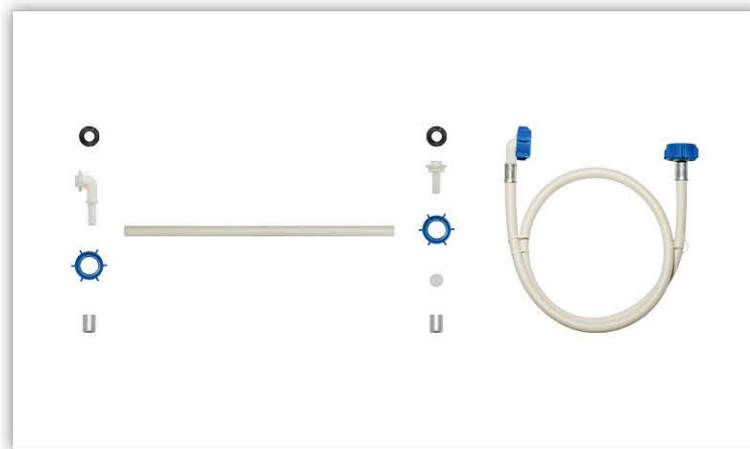
The production line is compatible with hoses of lengths from 500 to 3000mm, and the human-machine interface allows one-click switching.

Advantages

Fully automatic operation mode, automatic feeding, automatic length setting, automatic cutting, automatic assembly, automatic testing, and automatic bundling.

Cycle time: 6 seconds/pcs, Output: 600 pcs/hour. (Different lengths, different rhythms)

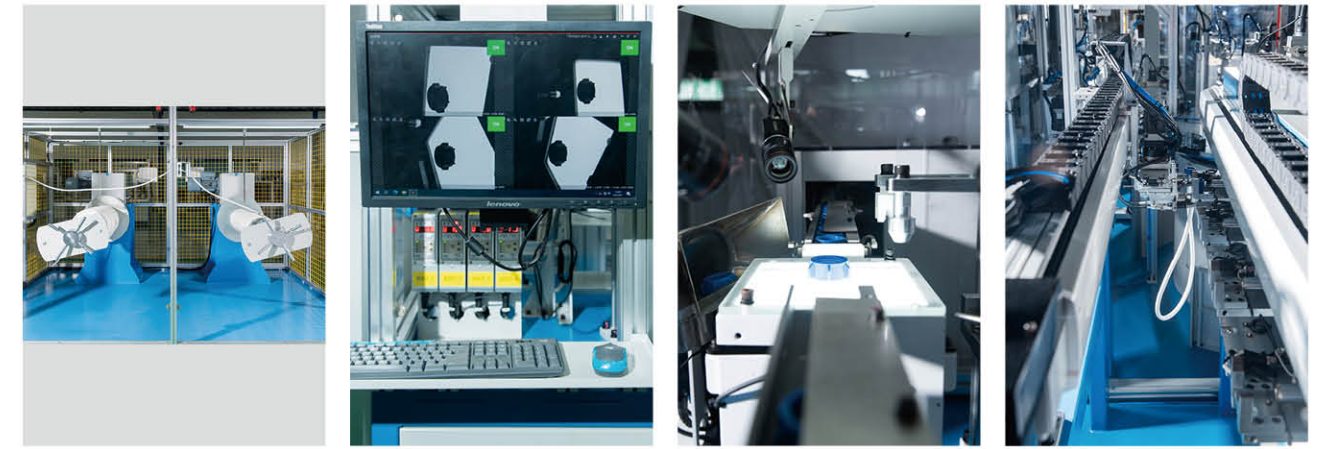
Product display



Dimension (m)

15.5m (L)*7.5m (W)*2.3m (H)

Detail presentation



AUTOMATIC ASSEMBLY & TEST MACHINE FOR FLEXIBLE HOSE

Features

The hose automatic assembly machine includes assembling process for hoses, joints, connection caps and on-line air pressure testing. The machine is also compatible with auto-assembling and testing for various types of joints and caps.

The machine is equipped with precision servo synchronous clamping mechanical system to ensure the consistency on clamping and the stability on clamping size.

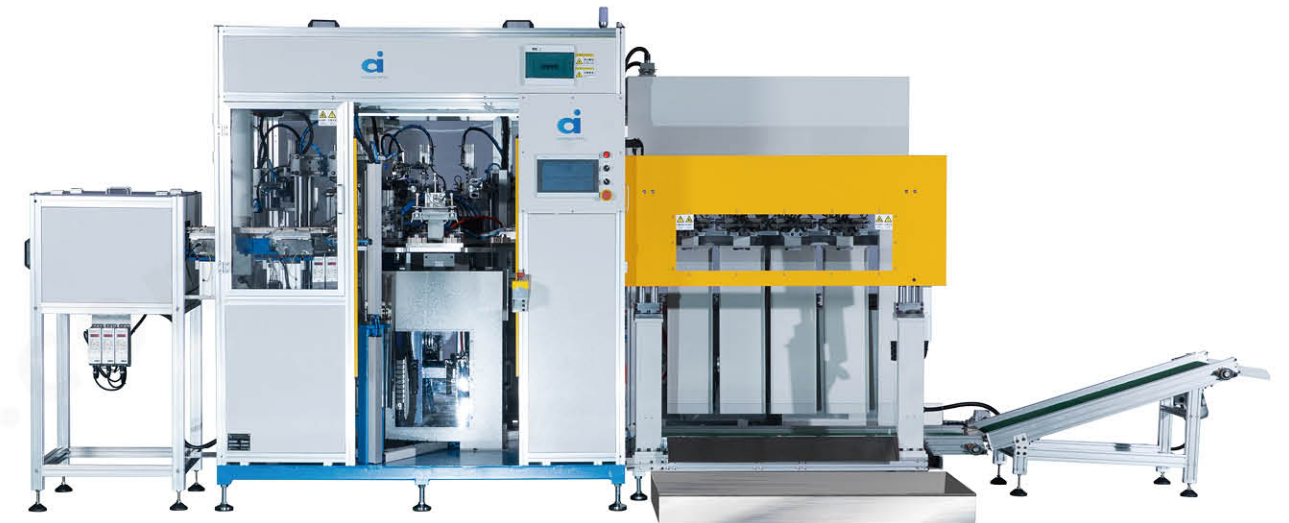
A 4-station airtightness detection device is also installed to meet the required test time and ensuring the stability on test.

Advantages

The equipment adopts two single-machine connection layout, the hose is manually loaded by the operator and the rest of the accessories are automatically loaded.

Cycle time: 5 seconds/pc, Output: 700pcs/hour.

Product display



Dimension (m)

5.8m (L)*3.4m (W)*2.4m (H)

Detail presentation



FULLY AUTOMATIC ASSEMBLY, TEST AND PACKAGE PRODUCTION LINE FOR GATE VALVE

Features

It is connected with the machining process of valve body and gate plate, realizing the whole process of machining, assembling, air leakage test and packaging in one line.

The air leakage test adopts 6 stations layout with extended test cycle to ensure the stability and reliability of the quality.

The automatic opening of the inner box is connected to the production line to realize the automatic loading of the valves into the inner box.

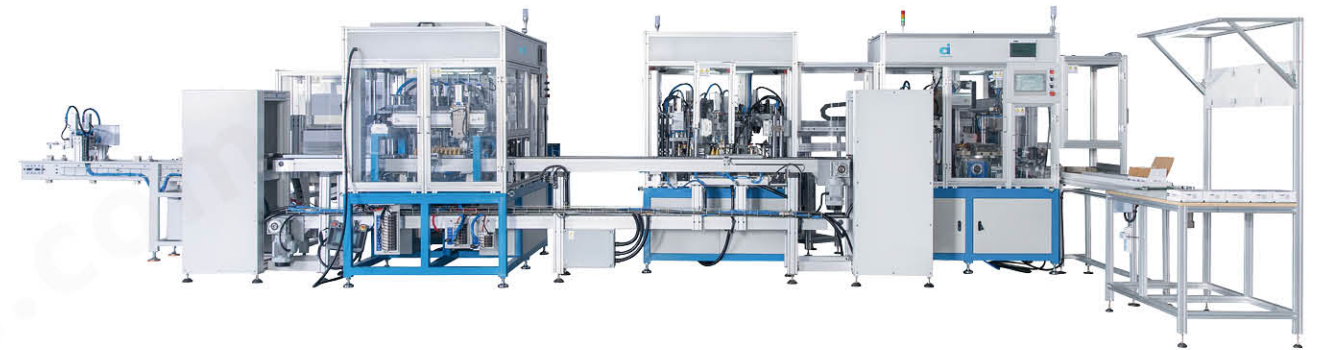
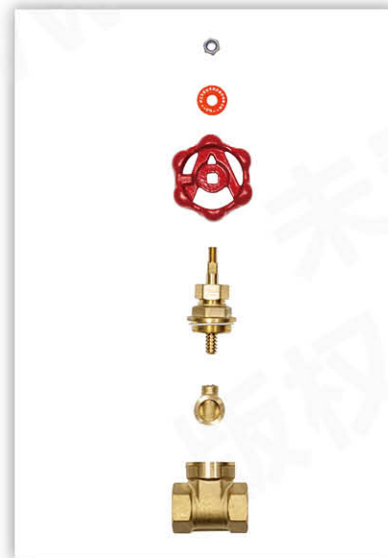
Advantages

Fully automatic working mode, only 1 operator needed to operate the whole production line.

Before boxing, a vision camera is used for final inspection of the finished product.

Cycle time: 7 seconds/pc, Output: 500pcs/hour.

Product display



Dimension (m)

9.8m (L)*6.7m (W)*2.2m (H)

Detail presentation



FULLY AUTOMATIC ASSEMBLY, TEST, PACKAGE AND STACK PRODUCTION LINE FOR GLOBE VALVE

Features

Fully-automatic production mode, all the accessories are fed automatically.

Valve body feeding adopts robot and double-vision mode to meet the high-speed assembly of the material supply demand.

The production line includes automatic assembly, air leadage test, inner box loading, labeling, outer box loading and automatic stacking. Full process operation without need for operators.

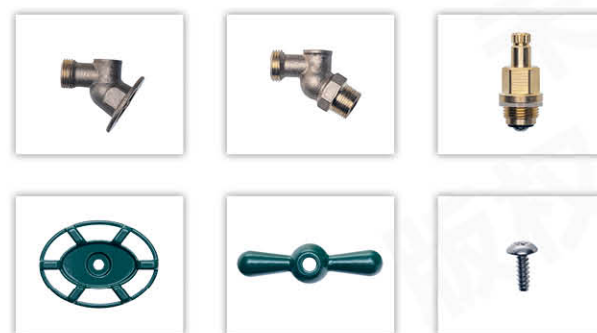
Advantages

The production line is highly automated, requiring only two operators to supervise the operation.

Equipped with a robot and double-vision system, it is compatible with 22 different shapes of valve bodies and realizes quick line change.

Cycle time: 5.3 seconds/pc, Output: 660pcs/hour.

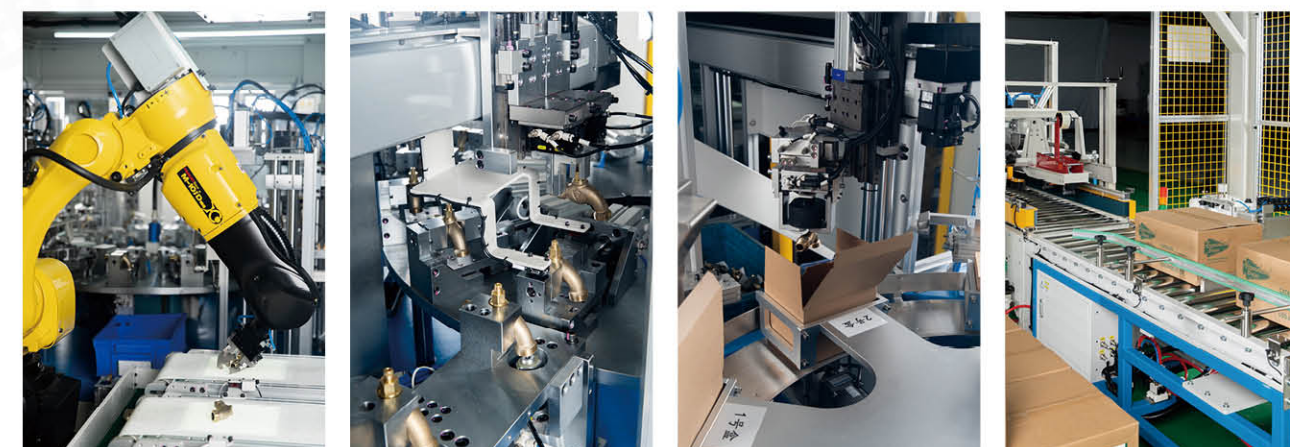
Product display



Dimension (m)

13m (L)*7.3m (W)*3.6m (H)

Detail presentation



FULLY AUTOMATIC ASSEMBLY & TEST PRODUCTION LINE FOR LPG CYLINDER VALVE

Features

Production line in fully-automatic working mode and all the accessories are fed by the automatic feeding system.

The production line has the functions of assembly of fittings, high and low pressure air leakage test, internal and external thread inspection.

Air tightness test data is stored in an SQL database, linked to the QR code and product code.

Advantages

The equipment is highly intelligent, with automatic connections and transfers between processes, eliminating the need for operator involvement.

The equipment adopts online automatic scanning QR code and laser machine automatic printing product digital code.

Cycle time: 5.5 seconds/pc, Output: 630pcs/hour.

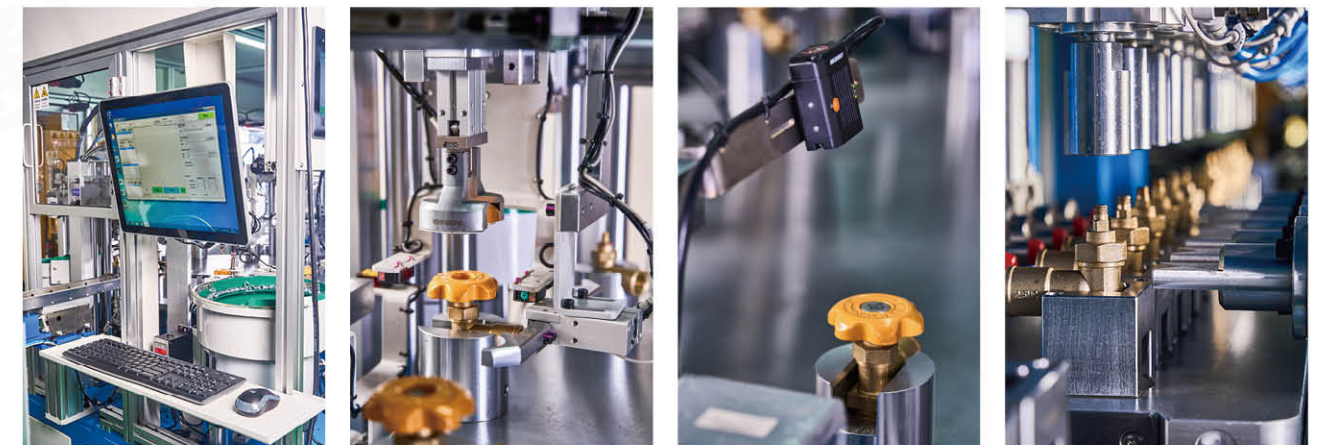
Product display



Dimension (m)

16.2m (L)*4.1m (W)*2.2m (H)

Detail presentation



FULLY AUTOMATIC ASSEMBLY PRODUCTION LINE FOR AMERICAN LPG CYLINDER VALVE

Features

Fully-automatic production mode, all the accessories are fed automatically.

Adopting the layout mode of one main machine + two sub-machines, it realizes the automatic assembly operation of all the accessories and valve bodies.

Equipped with on-line thread sealing glue application and laser etching machine.

Advantages

Product is automatically connected and transferred from machine to machine without operator involvement.

Completing the assembly of the valve body in four directions, the valve body is automatically turned over online to the corresponding assembly process.

Cycle time: 5.6 seconds/pc, Output: 600pcs/hour.

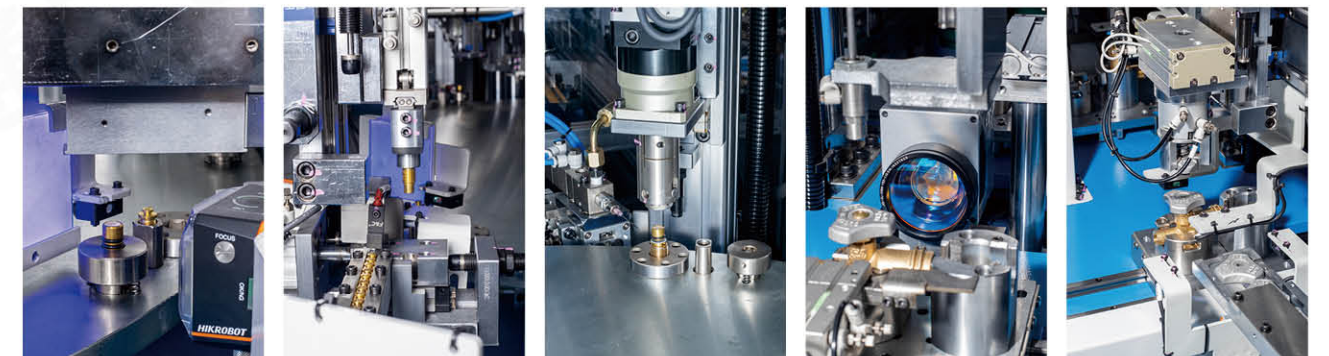
Product display



Dimension (m)

7.6m (L)*6.4m (W)*2.2m (H)

Detail presentation



AUTOMATIC PRODUCTION LINE FOR FIRE PROTECTION VALVE

Features

The production line includes automatic assembly process on valve body, pressure gauge, stem and handle. Through the special automatic connection technology to implement the pressure gauge calibration and achieve the automatic assembly on fire protection valve.

Pressure gauge pointer calibration adopts 2 sets of vision system with combinational algorithm to calculate the Angle of pointer secure its tolerance is within $\pm 2^\circ$.

Advantages

The production line adopts 3 equipment with synchronous working model to complete automatic assembly on all valve parts at one time till to final auto assembling, auto-testing as well as the auto-transferring in the last stage.

Cycle time: 6 seconds/pc, Output: 600pcs/hour.

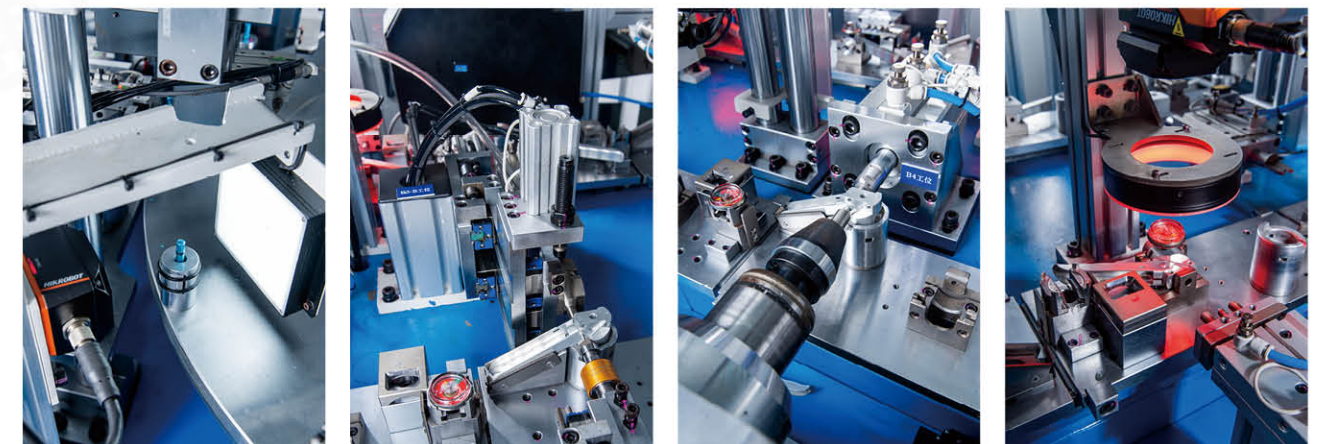
Product display



Dimension (m)

6.5m (L)*5.9m (W)*2.3m (H)

Detail presentation



BALL TYPE MANIFOLD AUTOMATIC ASSEMBLY MACHINE

Features

The equipment is compatible with 2-8 branches ball type manifolds and branch distance between 40-50 mm.

Ball valves are assembled at once in each branch.

Equipped with special bonnet fully-automatic assembly equipment and automatically connected with the main equipment to realize the automatic transfer sequence of bonnet combination.

Advantages

The 3 processes are integrated into one machine and can be operated by one operator, saving labor costs.

High-precision differential pressure leakage detectors are configured to ensure stable and reliable quality.

Cycle time: 5 seconds/pc, Output: 700pcs/hour.

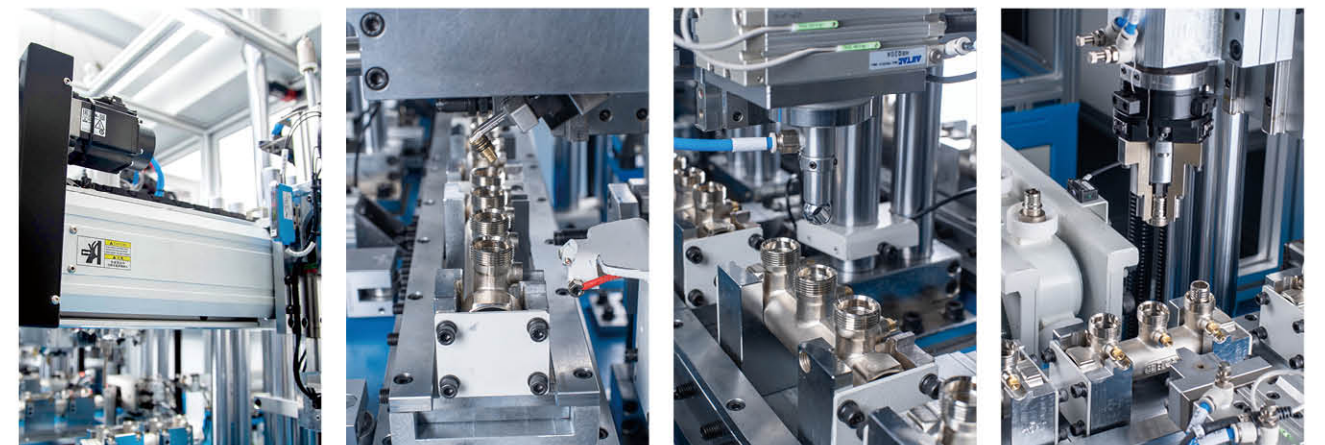
Product display



Dimension (m)

3.5m (L)*2.7m (W)*2m (H)

Detail presentation



AUTOMATIC ASSEMBLY AND TEST MACHINE FOR POLISHED ANGLE VALVE

Features

In order to ensure stable quality and balance the rhythm time, the test station is externalized and 3 test stations are set up.

Equipped with a laser etching machine to print the customer's logo online on the outer surface of the product.

In order to protect the appearance of the product, it is equipped with an unloading array system, which neatly arranges the finished unloaded valve body on the synchronous belt conveyor line to prevent the damage of the product's external surface.

Advantages

The equipment integrates assembly, online testing, online marking and other processes, which improves production efficiency and reduces the number of employees, can be operated by one operator.

Cycle time: 4.8 seconds/pc, Output: 750pcs/hour.

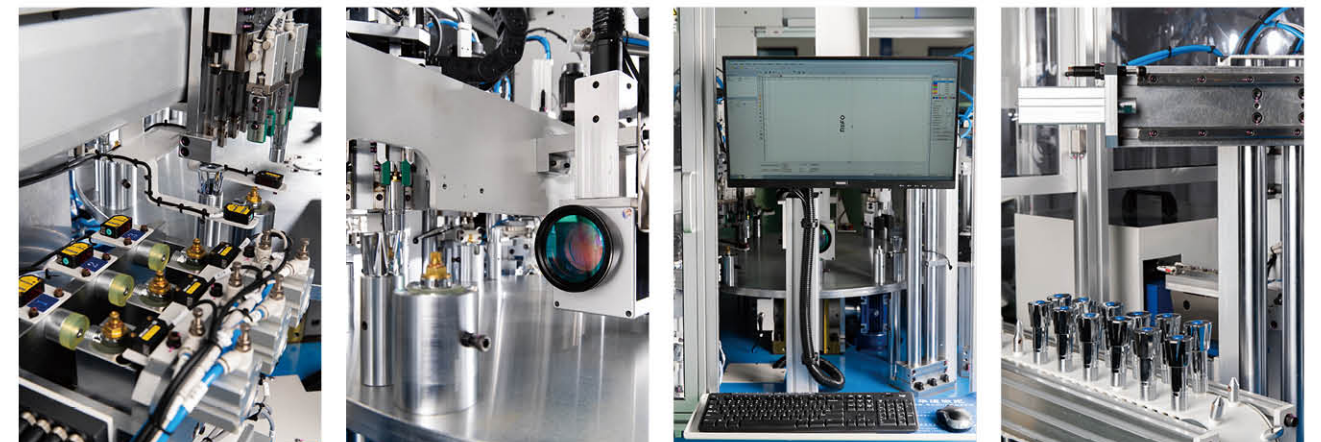
Product display



Dimension (m)

4.6m (L)*1.8m (W)*2.2m (H)

Detail presentation



AUTOMATIC ROBOT VISUAL LOADING AND UNLOADING SYSTEM

Features

The system adopts automatic production mode and configures high-performance robots to meet the needs of various high-efficiency processing equipment.

The visual image system is configured to meet the positioning and contour recognition of various products.

Advantages

Automatic working mode, the process does not require operator, operator is responsible for feeding and peripheral equipment maintenance.

Cycle time

According to the working beat of machine to equipped different robots, the cycle time of this system is less than processing machine.

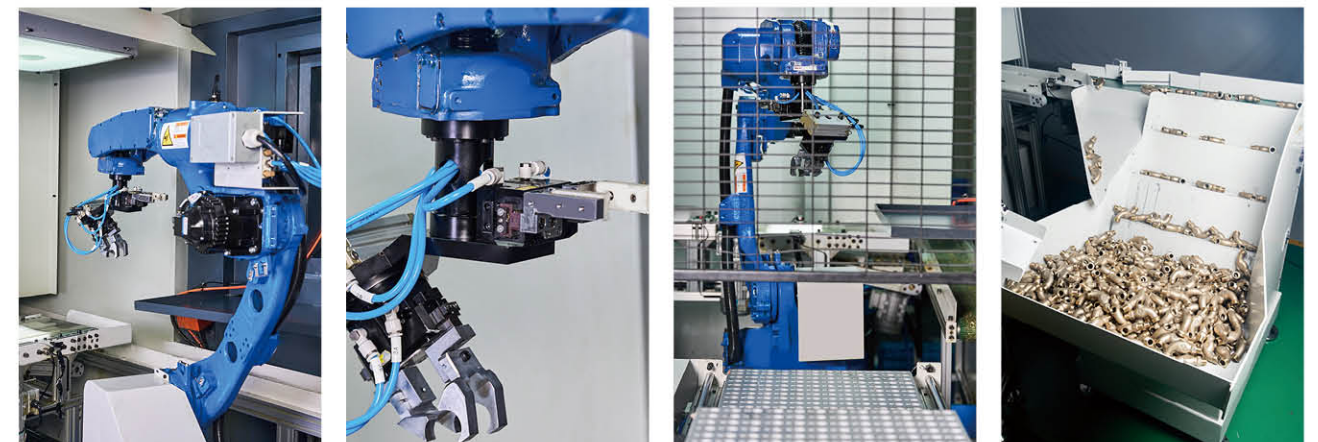
Product display



Dimension (m)

5.2m (L)*3.9m (W)*2.5m (H)

Detail presentation



FULLY AUTOMATIC ASSEMBLY AND TEST PRODUCTION LINE FOR SHUT-OFF ANGLE VALVE

Features

The polished valve bodies are automatically fed with a standard tray, and other accessories are automatically fed with a vibrating feeder.

The production line is fully automated and consists of valve body assembly, air leakage test and laser etching marking.

The air leakage testing system is equipped with 4 sets of ATEQ high-precision leakage detectors, to ensure stable and reliable quality.

Advantages

The production line is highly automated, requiring only one operator to supervise the operation.

High-precision vision cameras and leakage detectors are used for inspection of important processes to ensure stable and reliable quality in the production process.

Cycle time: 5.5 seconds/pc, Output: 650pcs/hour.

Product display



Dimension (m)

6.3m (L)*3.6m (W)*2.5m (H)

Detail presentation



ASSEMBLY AND TEST PRODUCTION LINE FOR GOURD BALL TYPE ANGLE VALVE

Features

Valve body feeding adopts multi-station rotary disk structure. Compatible with automatic feeding of various valve bodies.

The valve body adopts external three-station air leakage test system to ensure test stability and balance the production line rhythm.

High-precision visual inspection performs quality assurance of sealing components after assembly, which is stable and reliable.

Advantages

The production line has the functions of automatic assembly, automatic visual inspection and automatic online leakage test.

Cycle time: 5 seconds/pc, Output: 700pcs/hour.

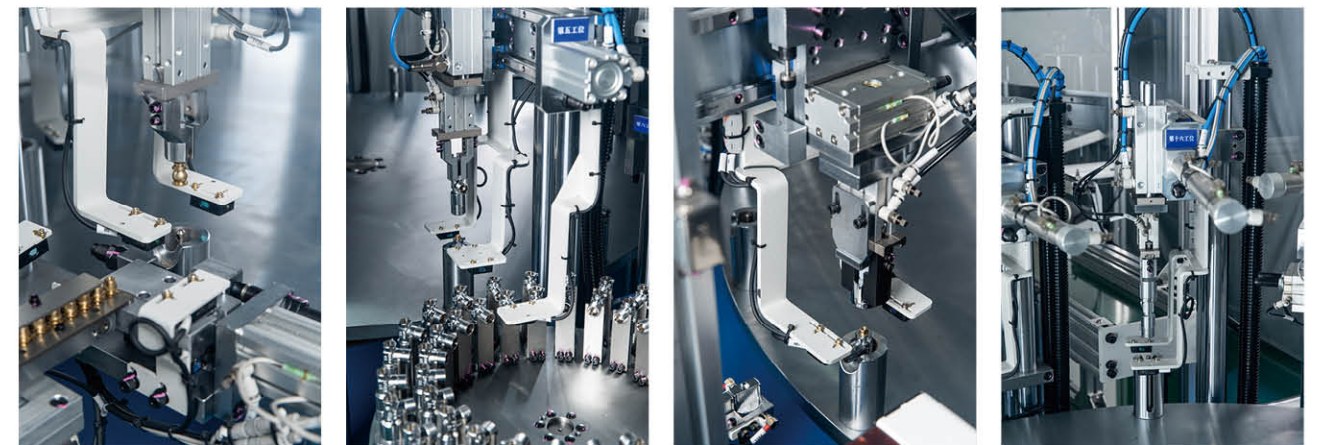
Product display



Dimension (m)

5m (L)*2.7m (W)*2.2m (H)

Detail presentation



FULLY AUTOMATIC ASSEMBLY PRODUCTION LINE FOR SOLENOID EMERGENCY SHUT-OFF VALVE

Features

The equipment assembly process includes the assembly of all components, except for the valve body, which is fed using a vibratory feeder.

High-precision visual inspection performs quality assurance of sealing components after assembly, which is stable and reliable.

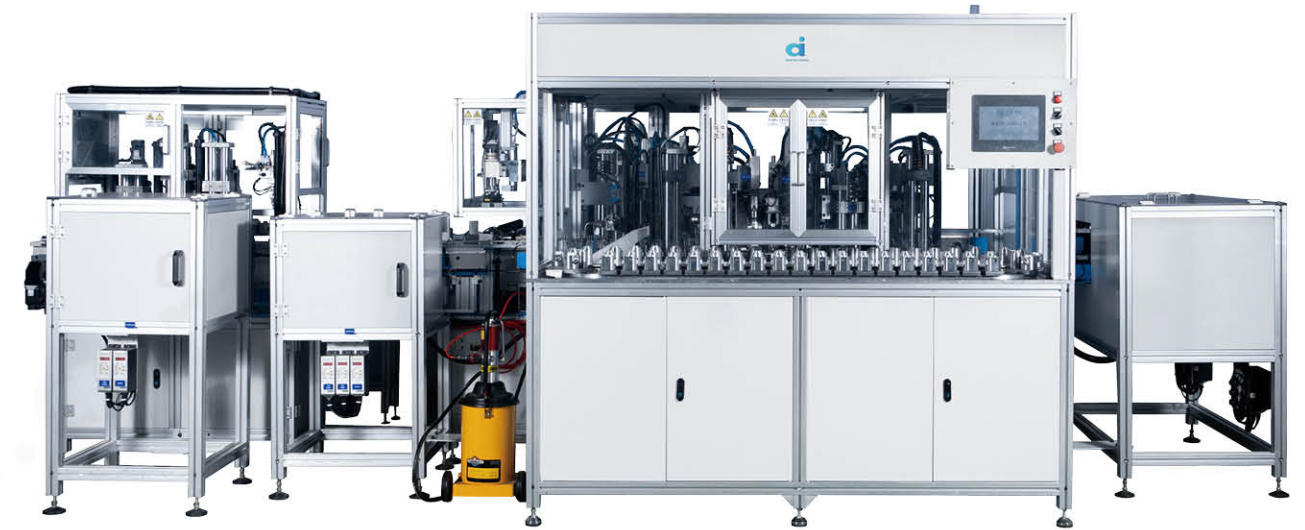
The assembly of the valve bonnet and coil is connected through a synchronous conveyor line to achieve automatic transfer between equipments.

Advantages

The equipment is highly automated and all valve components assembly and testing is completed by two operators.

Cycle time: 5.5 seconds/pc, Output: 650pcs/hour.

Product display



Dimension (m)

5.5m (L)*2.4m (W)*2.2m (H)

Detail presentation



FULLY AUTOMATIC CHAMFER, TEST AND PRINT PRODUCTION LINE FOR WELDED TUBE

Features

The production line is docked with the pipe making machine, reducing manual handling during transfer.

Chamfering, testing, and coding processes are automatically connected, achieving automatic transmission and reducing the workload of operators.

Equipped with ATEQ high-precision leak detection instruments, realize the automatic air leakage test of the pipe, providing reliable quality assurance.

Advantages

The production line can automatically transfer, testing and the whole process without the involvement of operators. Improve production efficiency.

The hydraulic system, pneumatic system, and electrical control system are installed on the upper platform of the equipment, reducing the footprint of the equipment.

Cycle time: 80 seconds per pipe for $\Phi 15-42\text{mm}$; 180 seconds per pipe for $\Phi 54-108\text{mm}$.

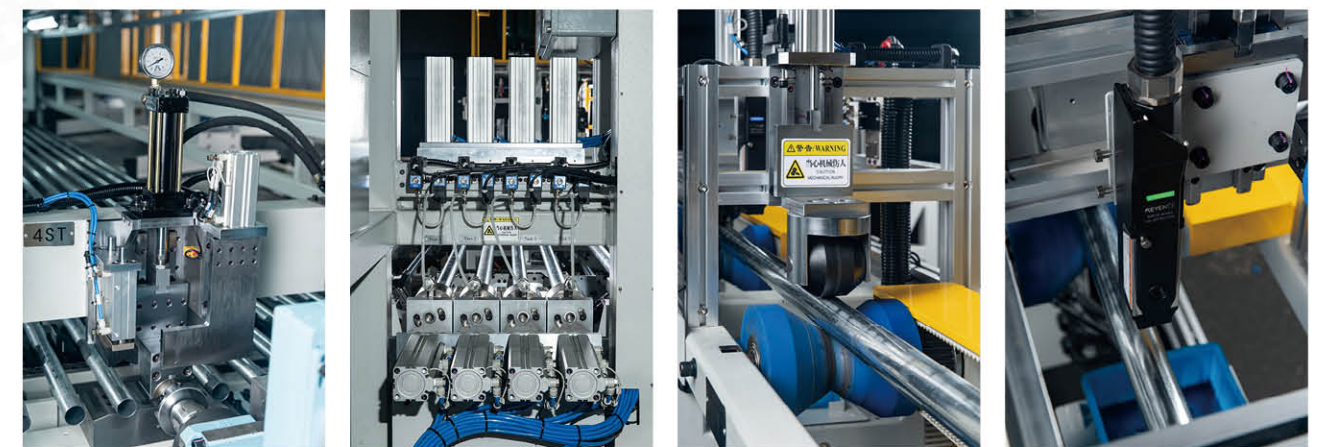
Product display



Dimension (m)

20m (L)*6.2m (W)*3.6m (H)

Detail presentation



FULLY AUTOMATIC ASSEMBLY AND TEST PRODUCTION LINE FOR CAST ANGLE VALVE

Features

The valve body is automatically fed into the vibrating feeder by tipper and elevator, reducing the labor intensity of the operator.

Quality confirmation of sealing elements is checked with a high-definition camera.

Valve body online air tightness testing, equipped with ATEQ high-precision leak detector.

Advantages

The production line integrates automatic valve body loading, visual inspection, and on-line airtightness testing.

The machine adopts fully automatic working mode, and 1 operator can be enough.

Cycle time: 5.5 seconds/pcs, Output: 650 pcs/hour.

Product display



Dimension (m)

4.7m (L)*3.7m (W)*2.2m (H)

Detail presentation



FULLY AUTOMATIC MACHINE FOR WORM GEAR ASSEMBLY AND DETECTION

Features

The worm shaft adopts the standard material tray for automatic loading, and the finished products will be lined in an orderly manner on the standard tray when finishing and unloading.

Visual camera is used to check whether the flat bearing is qualified or not. Filled with multi-points solid grease.

Advantages

During the assembly process, visual cameras and electronic inspection are used in different places to measure the size of the product to be qualified or not.

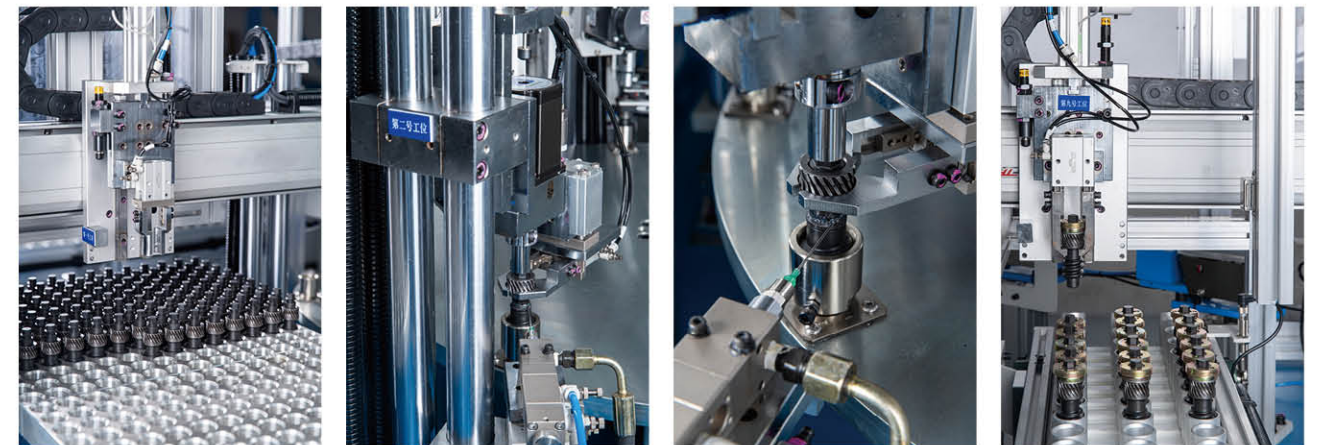
Cycle time: 5 seconds/pc, Output: 650pcs/hour.

Product display

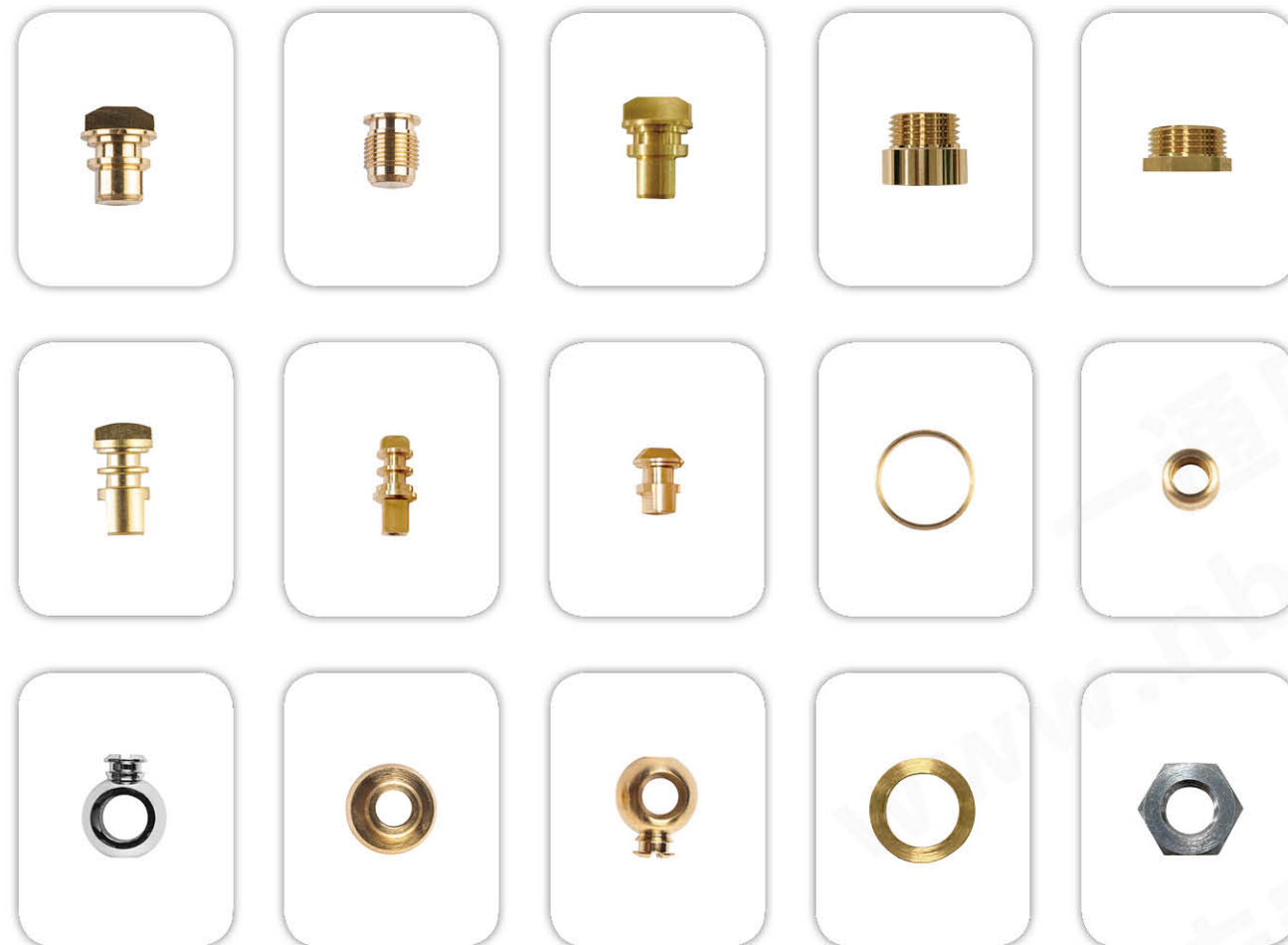


Dimension (m)
3.4m (L)*2.2m (W)*2.2m (H)

Detail presentation



PRECISION PARTS DISPLAY



Business Scope:

- Manufacture and sell a wide range of non-ferrous metal and ferrous metal precise parts.

Business model:

- Customized and OEM processing mode.

Production capacity:

- 18 sets of various models of Japan Tsugami precision machining equipment. 20 sets of other precision production equipment.
- High level of automated equipment to complete turning, milling, drilling, threading, knurling and other processes in one time to maintain stable quality.
- Annual capacity: 16.5 millions for various type of parts includes axis parts and special-shape precise parts.