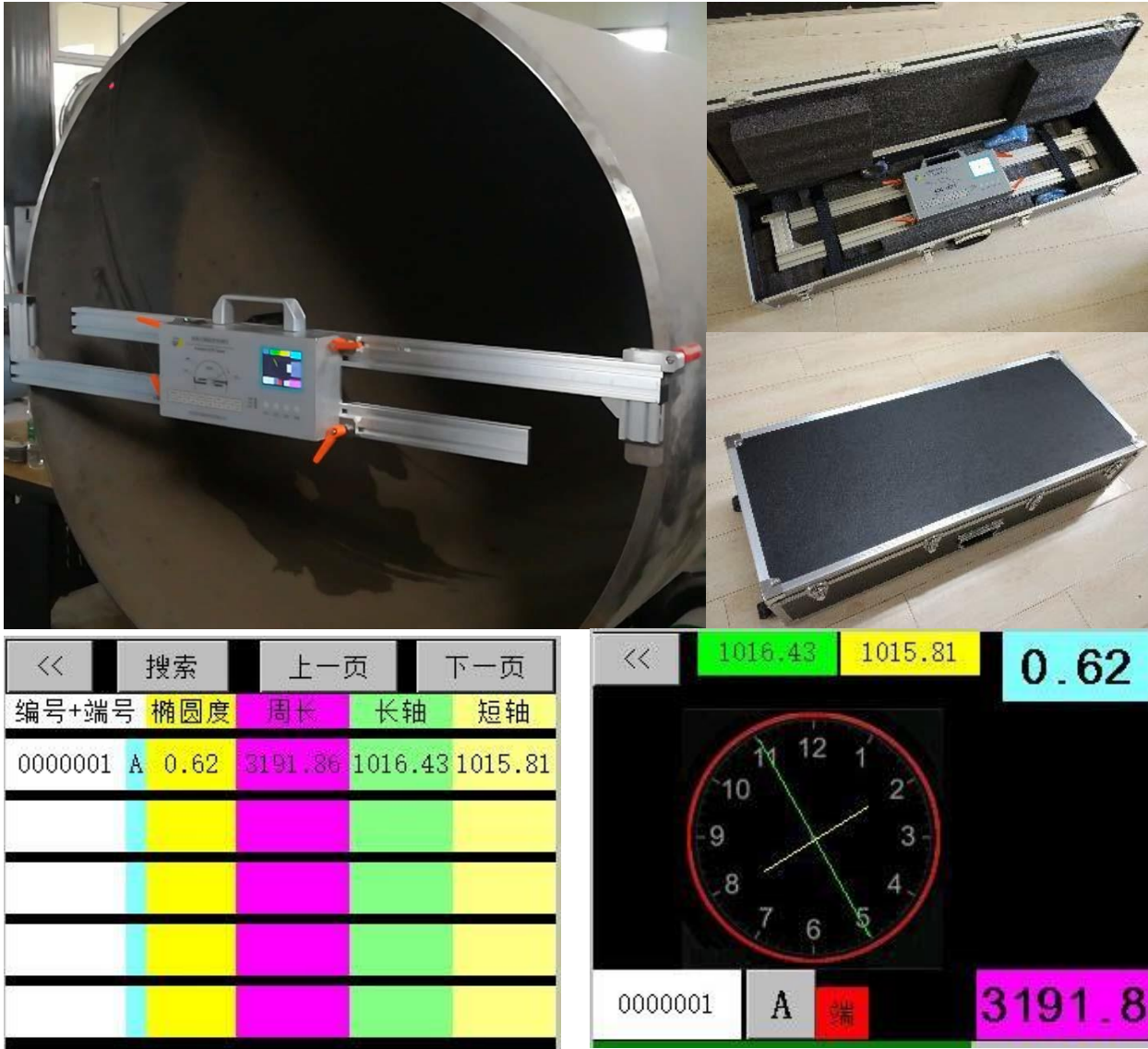


## Portable OOR tester



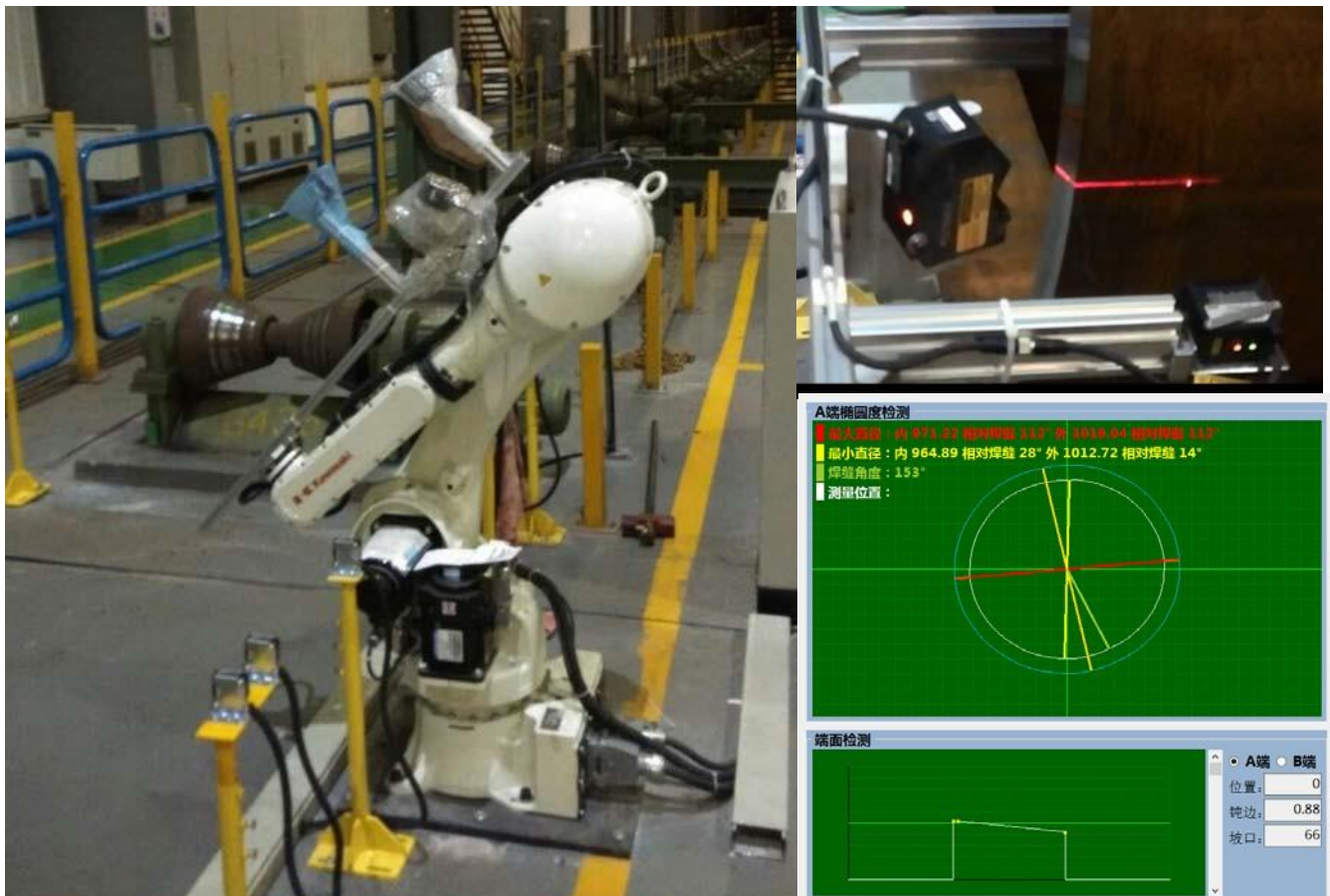
### Features

- Light weight and easy adjustment
- OOR and perimeter test of pipe end
- Record and indicate the position of long axis and short axis
- Measurement data can be stored and exported
- Wireless networking for remote access

Product parameters	
Adaptation range	Inside diameter $\geq$ 50mm (Other pipe diameters can be customized)
Measurement item	Inside OOR of pipe end Inside perimeter of pipe end ; Length of long axis and short axis ; Position of long axis and short axis。
Accuracy	OOR : $\pm 0.2\text{mm}$ Perimeter : $\pm 0.5\text{mm}$ Length of axis : $\pm 0.2\text{mm}$
Communication Interface	Wireless net
HMI	2.8 " touch screen
Measurement cycle	30s
Power input	DC 12V
Weight	5.5 kg
Working temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Working humidity	5% $\sim$ 95% relative humidity, non-condensing

We will customize the product by your indication!	
Requirements	
Notes	

## Test center for pipe end



### Features

- Standard robot as an actuator with high moving accuracy
- All data of pipe end is measured at one time
- Fully automated operation
- ~~Exchange data with MES system~~
- Warning alert when unqualified is detected
- All the test data could be searchable by specification, date, shift, pipe no, manufacturer and all the information could be generated as EXCEL document

Product parameters	
Adaptation range	Inside diameter $\geq$ 50mm (Other pipe diameters can be customized) ; Wall thickness: 6~60mm ; chamfering $\leq$ 15mm ;
Measurement item	Inside & outside OOR of pipe end ; Inside & outside diameter ; Wall thickness ; Beveling & sharpening;
Measurement Accuracy	OOR : $\pm 0.1$ mm ; Diameter : $\pm 0.1$ mm ; Beveling & sharpening : $\pm 0.1$ mm ; Wall thickness : $\pm 0.1$ mm ; Perimeter : $\pm 0.3$ mm.
Communication Interface	Ethernet /Profibus DP/Profinet
HMI	12" touch screen
Power input	AC 380V
Weight	Robot & Sensors : 230kg Operation cabinet : 100kg
Working temperature	-20°C~+50°C
Working humidity	5%~95% relative humidity, non-condensing
Cycle	$\leq$ 4 Mins

We will customize the product by your indication!	
Tech Requirement	
Note	



## Test Center



### Feature

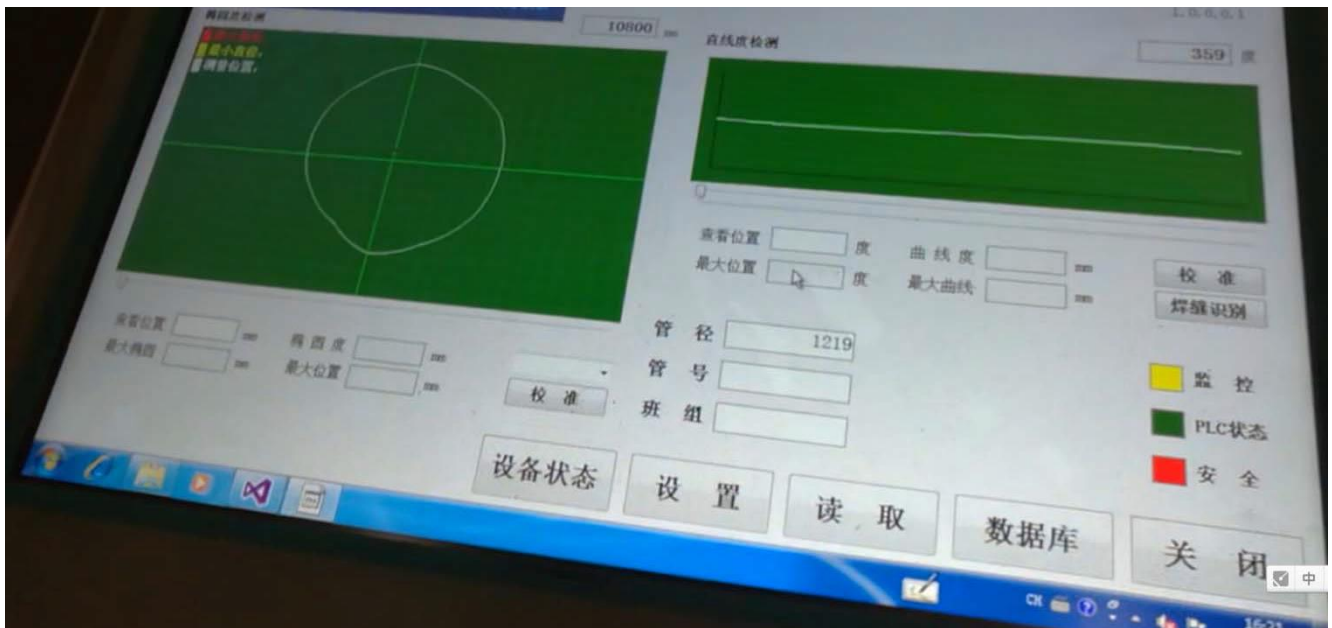
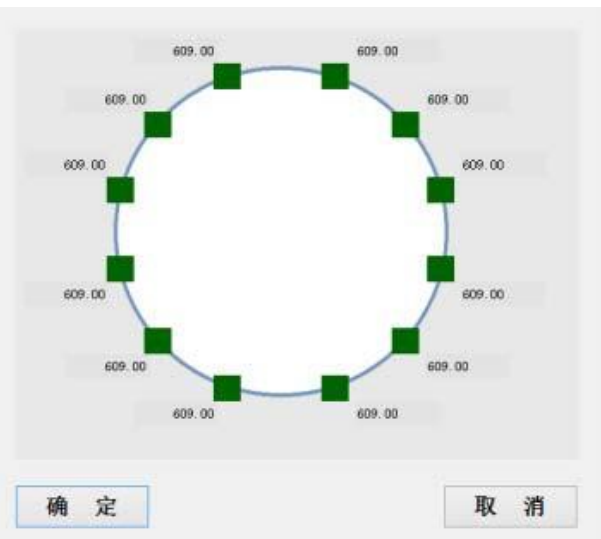
- Full parameter measurement at the pipe ends
- measurement for length and weight of pipes
- Single station detection with very high accuracy, not be affected by other equipment
- Customized modularity function
- All data could be searchable by specification, date, shift, pipe no, manufacturer; could be generated as EXCEL document

Product parameters	
Adaptation range	Diameter $\geq \Phi 219$ (Other pipe diameters can be customized) Wall thickness: 6~60mm ; chamfering $\leq 15\text{mm}$ ;
Measurement item	Inside & outside OOR of pipe end ; Inside & outside diameter ; Wall thickness ; Beveling & sharpening; Length & weight
Measurement Accuracy	OOR : $\pm 0.1\text{mm}$ ; Diameter : $\pm 0.1\text{mm}$ ; Beveling & sharpening : $\pm 0.1\text{mm}$ ; Wall thickness : $\pm 0.1\text{mm}$ ; Perimeter : $\pm 0.3\text{mm}$ ; Length: $\pm 3\text{mm}$ ; Weight: $\pm 3\text{kg}$ .
Communication Interface	Ethernet /Profibus DP/Profinet
HMI	12" touch screen
Power input	AC 380V
Weight	2500kg
Working temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Working humidity	5%~95% relative humidity, non-condensing
Cycle	$\leq 6$ Mins

### We will customize the product by your indication!

Tech Requirement	
Note	

## Pipe body measurement system



## Feature

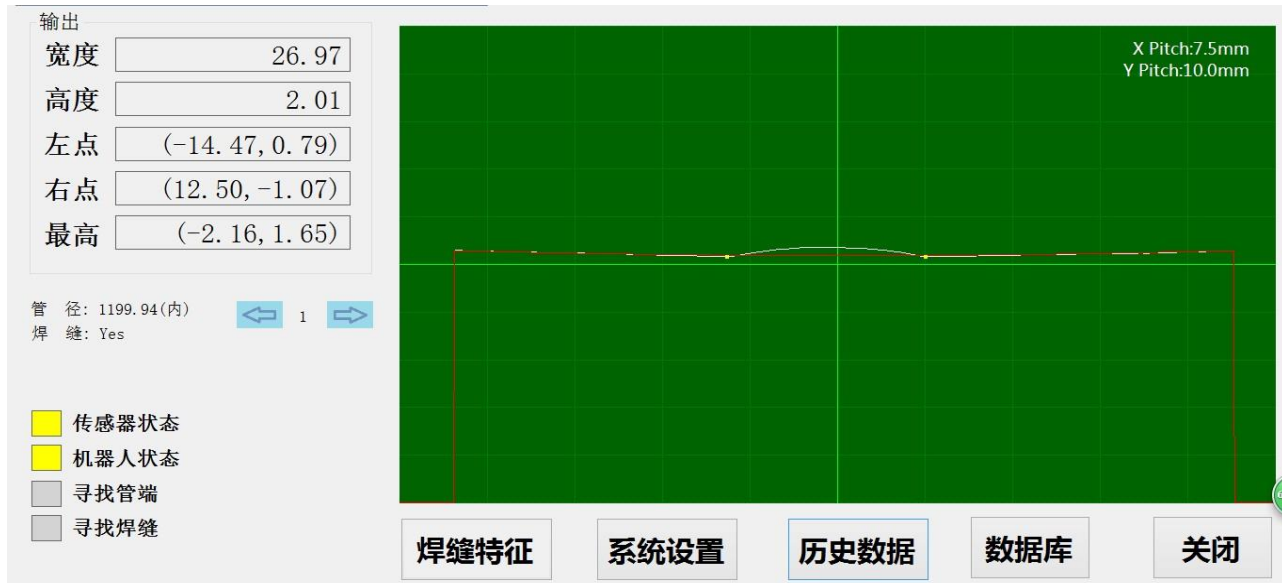
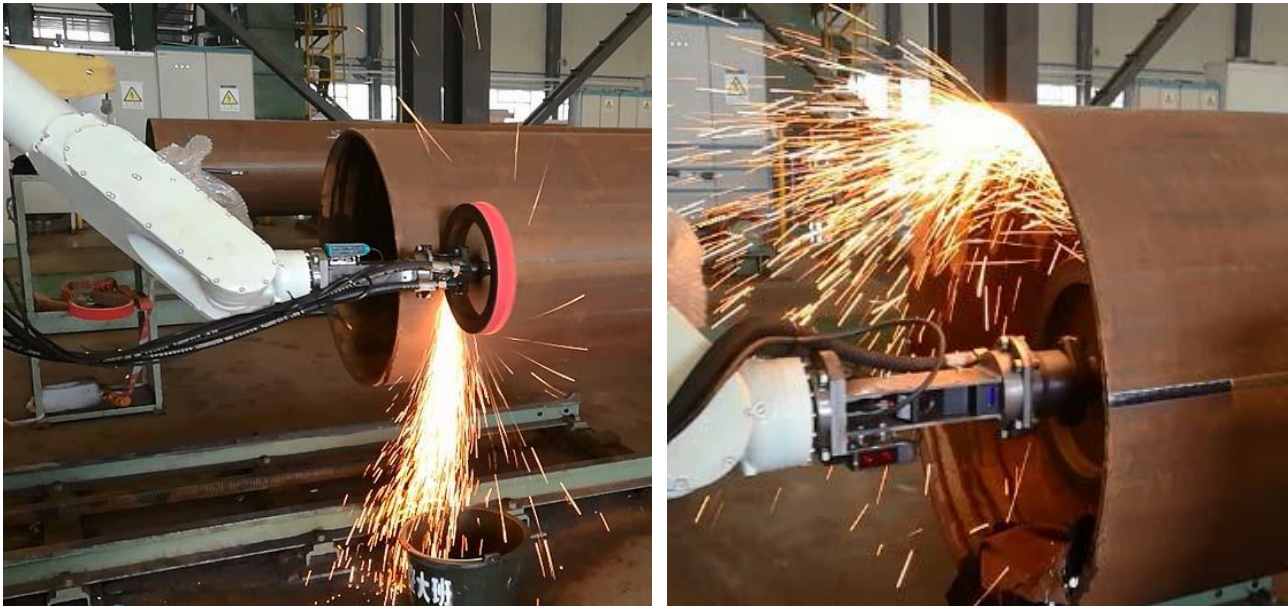
- Outside diameter, circumference measurement of full pipe
- Detection during the transportation of steel pipes, no need for additional station
- Quick detection speed without affecting production
- Completely automatic measurement, save human force
- ~~Exchange data with MES system~~
- System fault and alarm display and storage
- All statistics could be searchable by specification, date, shift, pipe no, manufacturer; could be generated as EXCEL document.

Product parameters	
Adaptation range	Diameter $\geq \Phi 50$ (Other pipe diameters can be customized)
Measurement item	Outside diameter of full pipe Outside perimeter of full pipe
Measurement Accuracy	Outside diameter : $\pm 1\text{mm}$ Outside perimeter : $\pm 3\text{mm}$
Communication Interface	Ethernet /Profibus DP/Profinet
HMI	12 "touch screen
Power input	AC 380V
Weight	frame 300kg Operation cabinet 100kg
Working temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Working humidity	5%~95% relative humidity, non-condensing
Cycle	$\leq 4$ Mins

We will customize the product by your indication!	
Tech Requirement	
Note	



## Automatic grinding system for pipe end



### Feature

- Robot process welding seam measurement and grinding, save human force
- Network communication, exchange status with MES system
- Display test results in real time
- System fault and alarm display and storage

Product parameters	
Adaptation range	Diameter ≥ Φ325 (Other pipe diameters can be customized) Wall thickness 6~60mm
Function	Measurement of the step/height/width of the welding and grinding
Measurement Accuracy	<del>0.2mm (height) 0.5mm (width)</del>
Grinding Accuracy	0.2mm
Communication Interface	Ethernet
HMI	12 "touch screen
Power input	AC 380V
Weight	Robot & sensors 600kg Operation cabinet 100kg
Working	-20℃~+60℃
Working humidity	5%~95% relative humidity, non-condensing
Cycle	≤ 4 Mins

We will customize the product by your indication!	
Tech Requirement	
Note	

## Automatic paper wrapping system



### Feature :

- Automatic paper wrapping at the pipe end, save human force
- Custom paper wrapping width
- Link with roller table to ensure equipment safety
- Dual mode operation, manual and automatic

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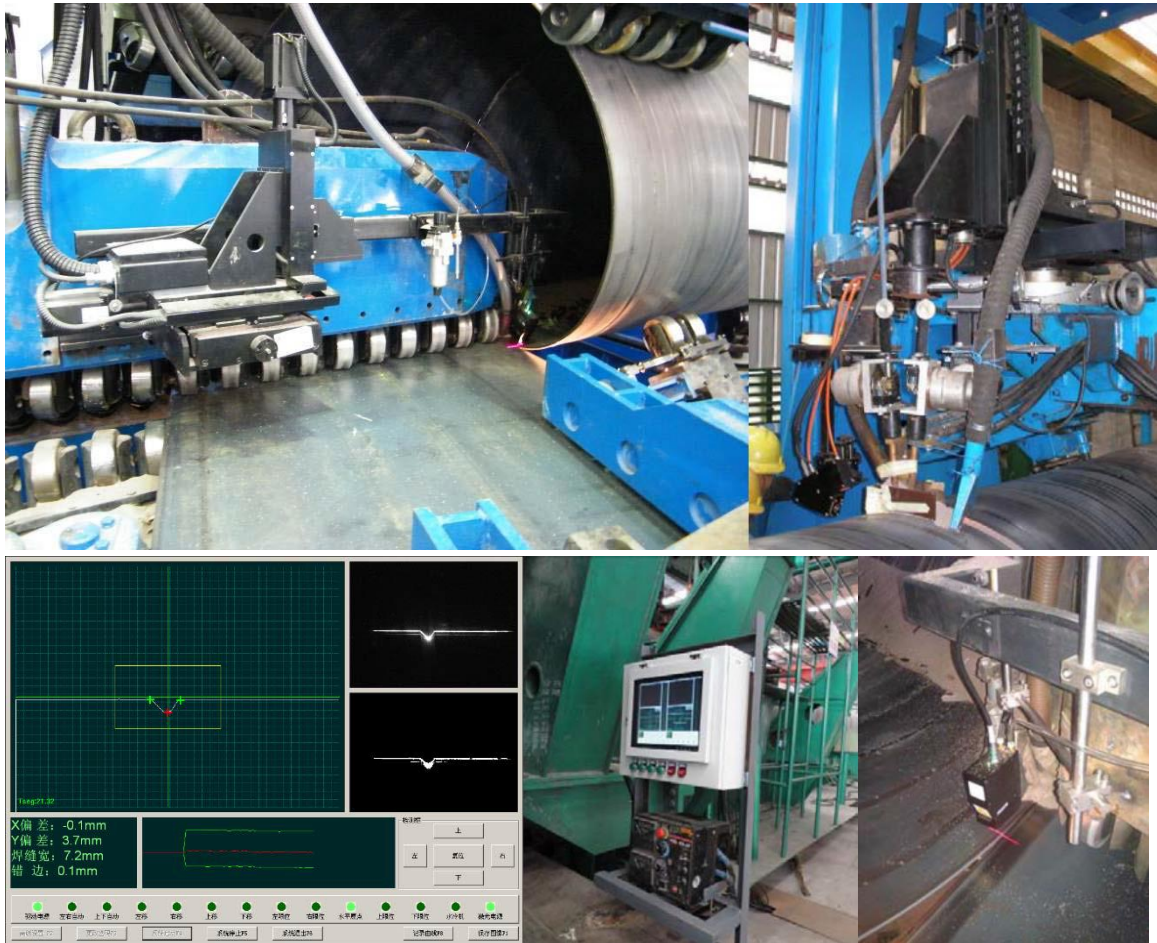
Product parameters	
Adaptation range	Φ457~1420mm (Other pipe diameters can be customized)
Function	Automatic paper wrapping
Paper	Paper width:150mm
Communication Interface	Ethernet/Serial port
HMI	6 "touch screen
Power input	220VAC
Weight	300 kg
Working temperature	-20℃~+60℃
Working humidity	5%~95% relative humidity, non-condensing

We will customize the product by your indication!	
Tech Requirement	
Note	



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## Laser Tracking System



## Features

- Three-axis slide designed for torch adjustment
  - Quick response for the offset in welding
  - 2-axis tracking (horizontal and vertical)
  - Display offset curve in real time
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## Product parameters

Adaptation range	Diameter $\geq \Phi 325$ (Other pipe diameters can be customized)
Composition	Three-axis slide for inner weld Three-axis slide for out weld Laser sensor Laser sensor controller Control system
Accuracy	$\pm 0.3\text{mm}$
Communication Interface	TCP/IP
Operation	12" Touch screen
Power input	AC 220V
Working temperature	$-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$
Working humidity	5% $\sim$ 95% relative humidity, non-condensing

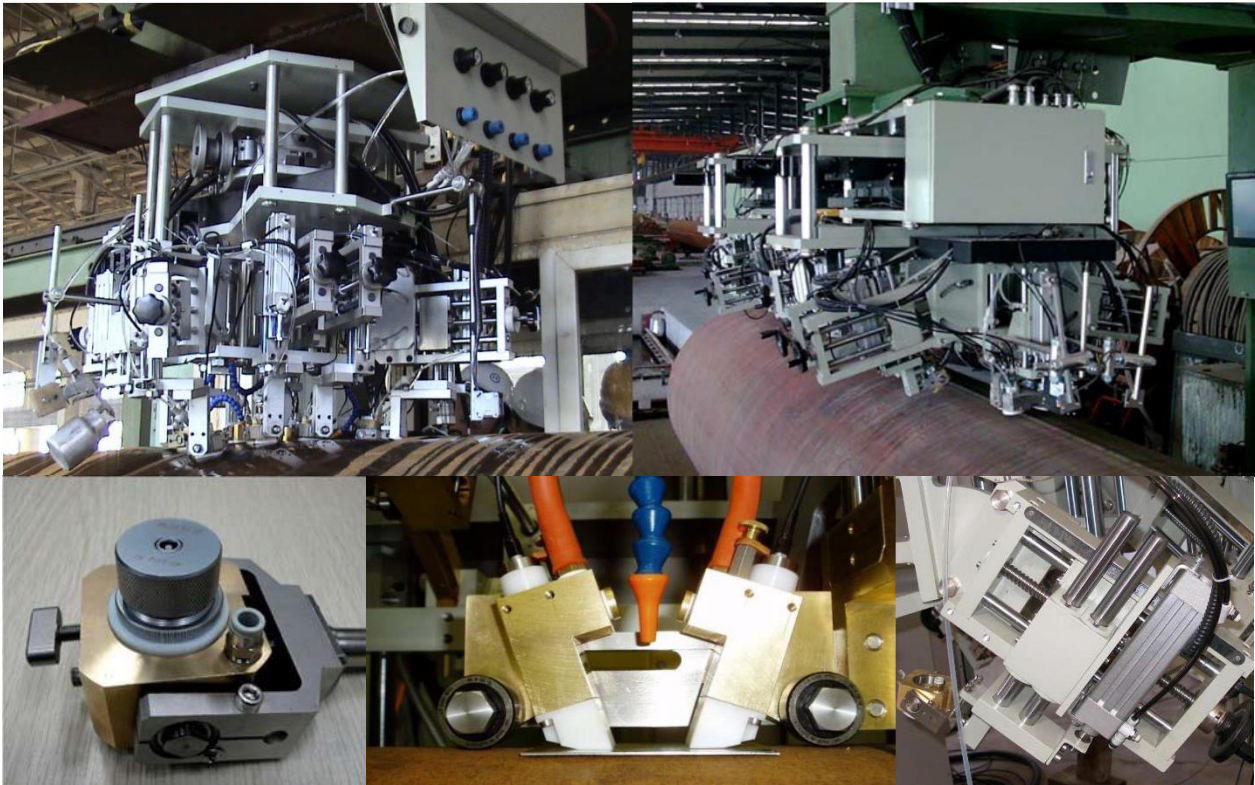
## We will customize the product by your indication!

Tech Requirements	
Notes	

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## Ultrasonic Test system



## Features

- Can be used for the UT of SSAW pipe and HSAW pipe
  - Probes is controlled separately to ensure the probe coupling
  - Probes fall in sequence, reducing dead zone of the pipe end
  - Laser tracking to ensure accurate probe position in testing progress
  - Multiple probe clamping styles for different requirements
  - Can meet the DEP standards
  - All waveform will be stored during the test
-

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## Product parameters

Adaptation range	Diameter $\geq \Phi 325$ (Other pipe diameters can be customized)
Composition	Probe holder Laser tracking for UT Control system
Communication Interface	TCP/IP
Operation	12" Touch screen
Power input	AC 220V
Working temperature	-10°C~+50°C
Working humidity	5% ~ 95% relative humidity, non-condensing

## We will customize the product by your indication!

Tech Requirements	
Notes	

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