



CYSSON

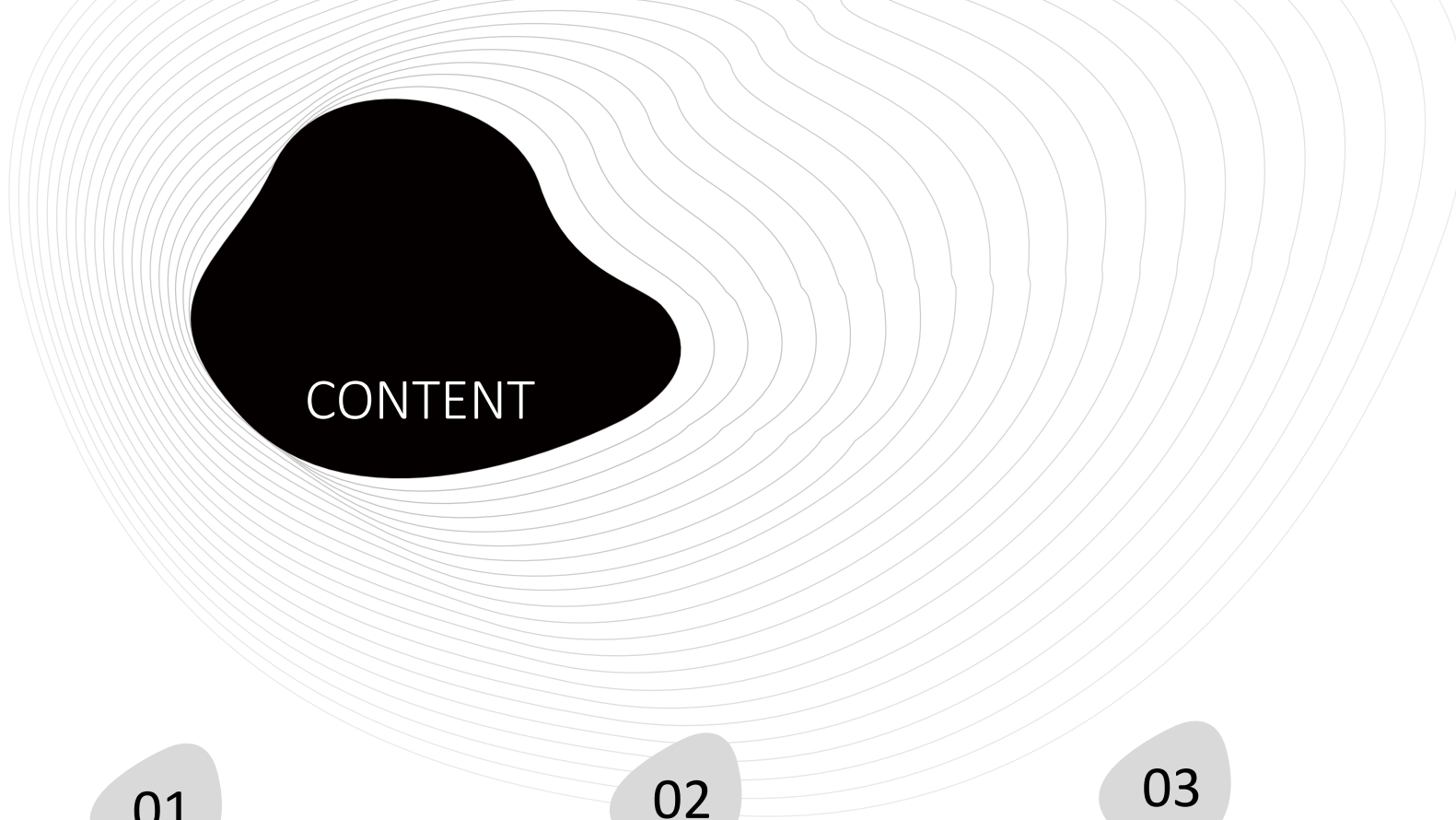
Intelligent Manufacturing

— Cysson Technology

2020.7

**Our
Business**

Oxygen Sensor/Nitrogen Sensor
Technical Service Provider



01

About us

02

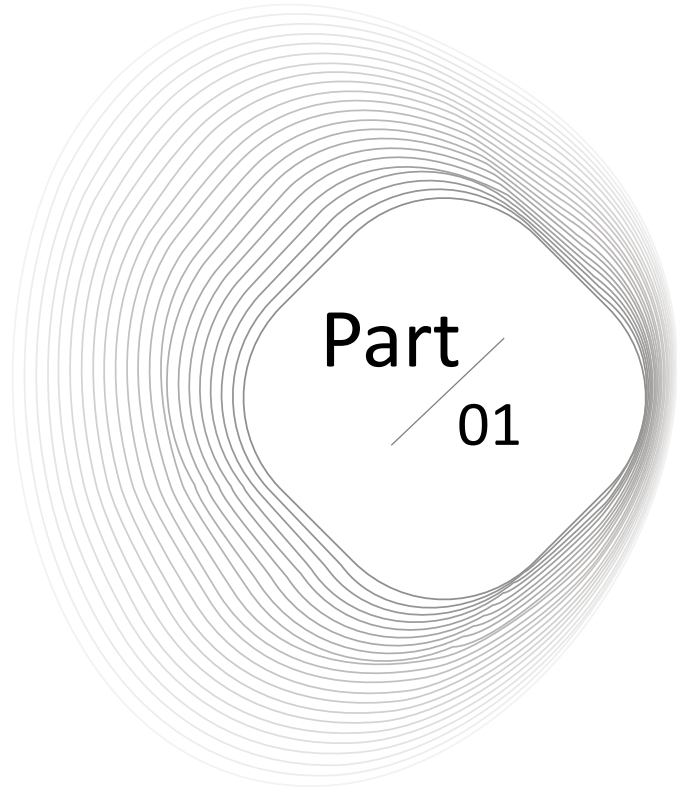
Segments

03

Core team

04

Our case



Part
/ 01

About us

Development History

Year 2013

Jiangsu Powerway was acquired by Zhenjiang Fanwo and the company was renamed: Zhenjiang Nernst. The founder left Nernst in the same year.

Dec.2014~2016年

Cysson invested in technology and participated in the establishment of Zhejiang Lande Electronics Co., Ltd.

2017年

As a technical consulting service provider for automotive exhaust gas sensors, Cysson provides assembly lines and test equipment for many domestic enterprises.

2018年

Cysson developed the world's most miniature oxygen sensor for motorcycles, and achieved industrial incubation: Ningbo Youwei.

2019年

Cysson began to provide nitrogen and oxygen sensor assembly technology and output assembly equipment for many domestic enterprises.

Year 2010

The founder of Cysson founded the first domestic chip sensor manufacturer in Zhenjiang: Jiangsu powerway.

2014年7月

The founder of Cysson, at the head of Shanghai Songjiang Pujiang, teamed up again. Established Shanghai Stone Automotive Technology Co., Ltd. Positioned as: technical consultation of sensors such as locomotive oxygen sensors and non-standard automation equipment.

2016年

Cysson transferred its equity and separated from Zhejiang Lande. Continue to engage in gas sensor technical consultation.

2017年

Cysson broke through the core sealing powder formula for sensor assembly and realized industrialization. Cysson began to deploy the assembly technology of nitrogen and oxygen sensors.

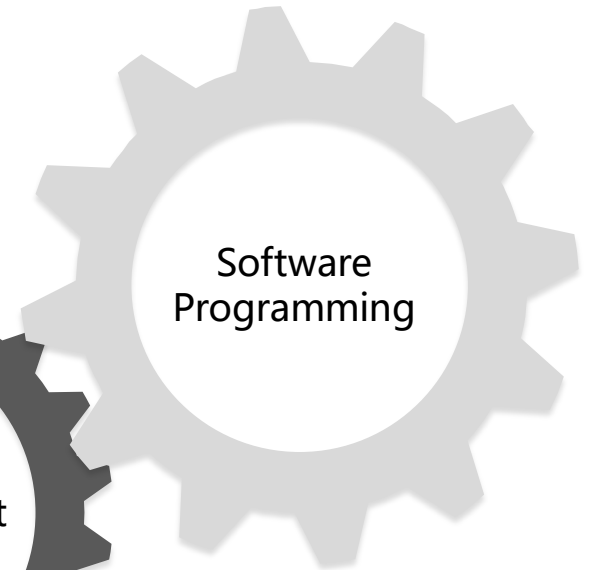
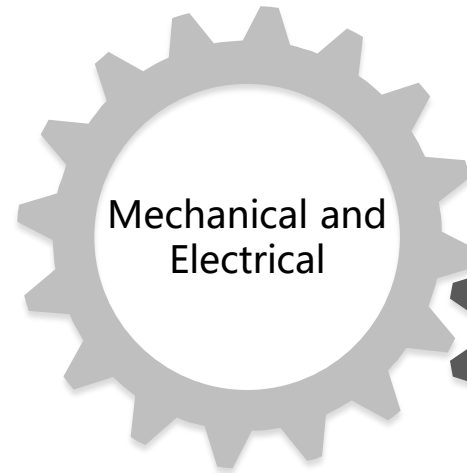
2018年

Cysson established its own unique nitrogen and oxygen sensor packaging technology route.

2020年

Cysson has exported more than ten production lines of nitrogen and oxygen sensors for the country. Stone undertakes the first domestic OE mainframe nitrogen and oxygen sensor automatic line.

Core Drives



Core Technical Reserve



Experience

Testing

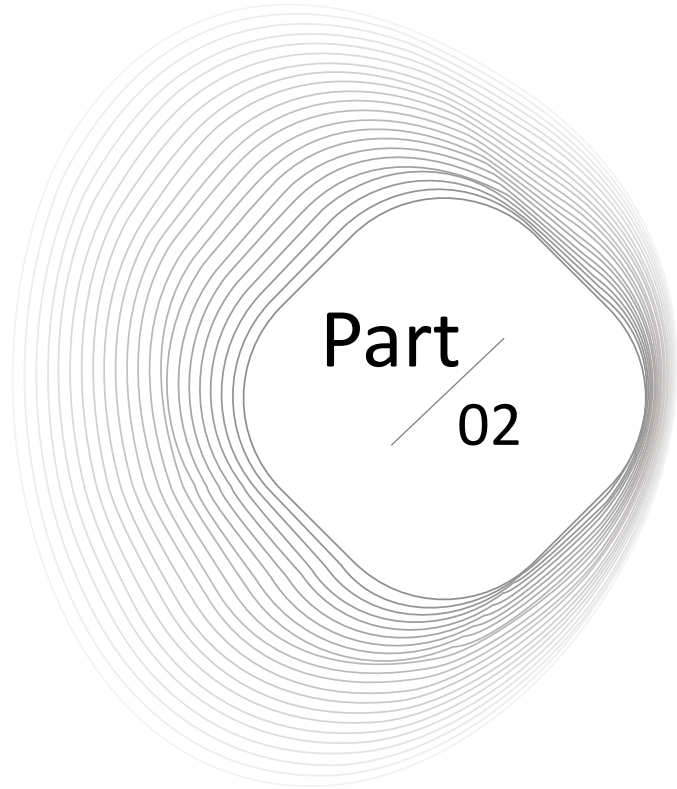
Design

High Quality

Product matrix that can be developed for customers



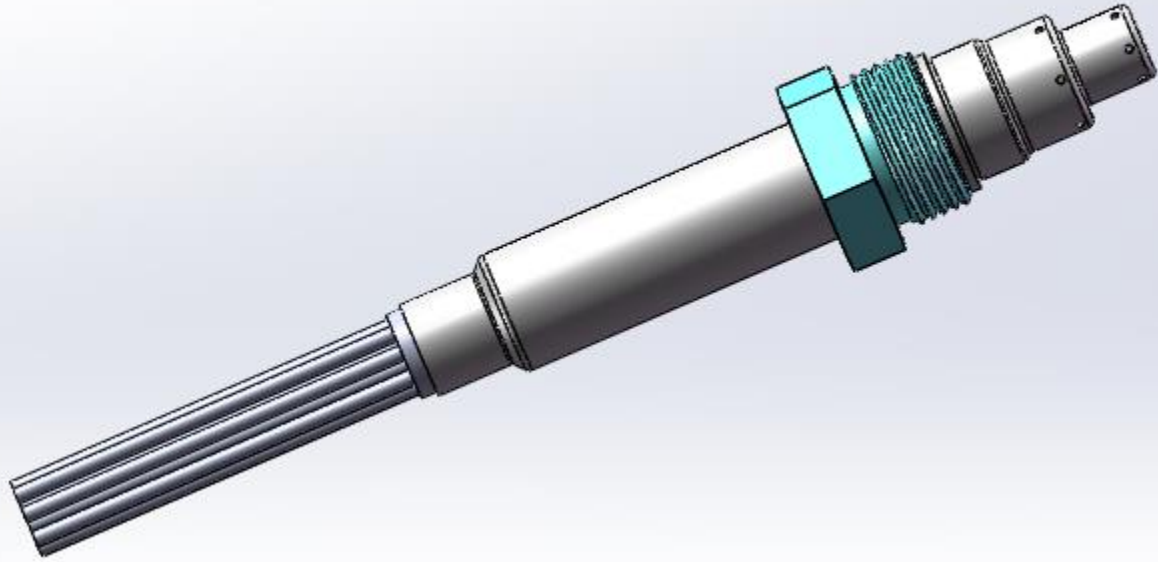
Non-heated Motorcycle oxygen sensor	Heating type Motorcycle oxygen sensor	OSM miniMotorcycle oxygen sensor
Bosch LSF	Bosch LSU series	DELPHI OSP+
DENSO AF	NTK L1HI /L2H2	NGK NOX Sensor



Part
/ 02

Business

Nitrogen and oxygen sensor business



Equipment output

Nitrogen and oxygen sensor assembly line
Nitrogen and oxygen sensor controller
calibration equipment

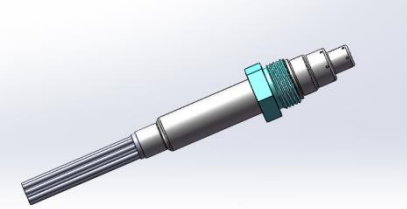
Technical output

Nitrogen oxygen sensor assembly process,
product structure design Nitrogen and
oxygen sensor assembly process training
and technical support

Raw material output

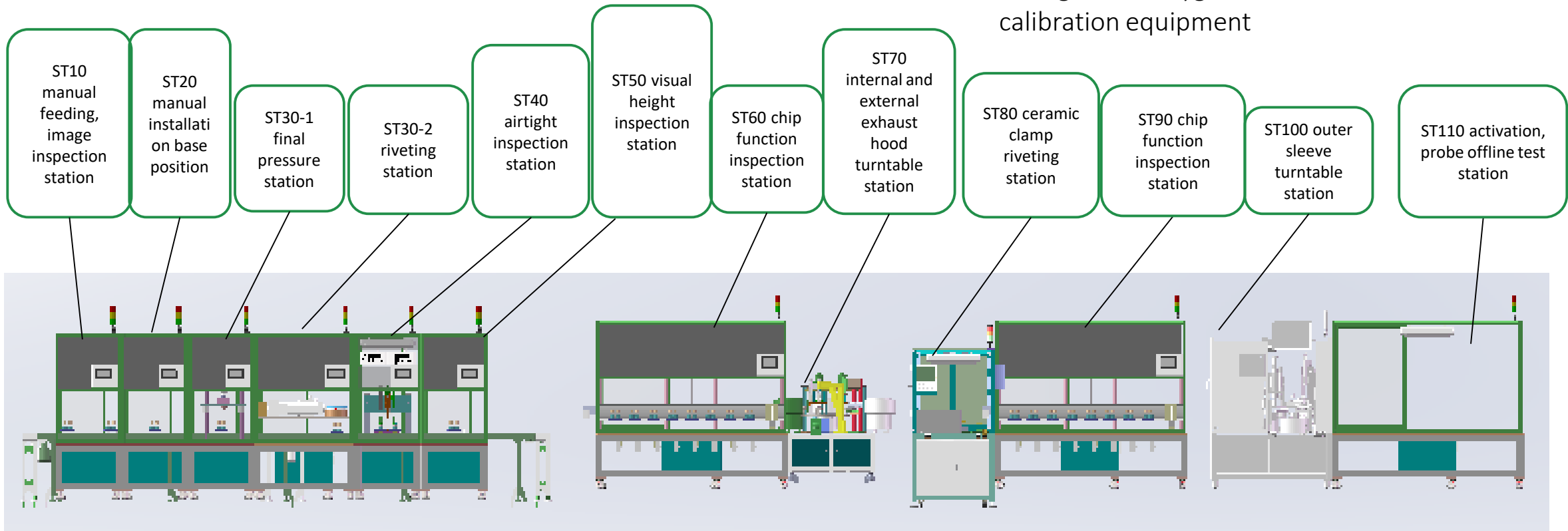
Nitrogen oxygen sensor complete assembly
sub-parts Nitrogen and oxygen sensor chip
Nitrogen and oxygen sensor control circuit
board

Nitrogen and oxygen sensor business



Device output

Nitrogen and oxygen sensor assembly line
Nitrogen and oxygen sensor controller
calibration equipment



Nitrogen and oxygen sensor business

Device output

Nitrogen and oxygen sensor assembly line
Nitrogen and oxygen sensor controller
calibration equipment



01

Nitrogen and oxygen sensor business

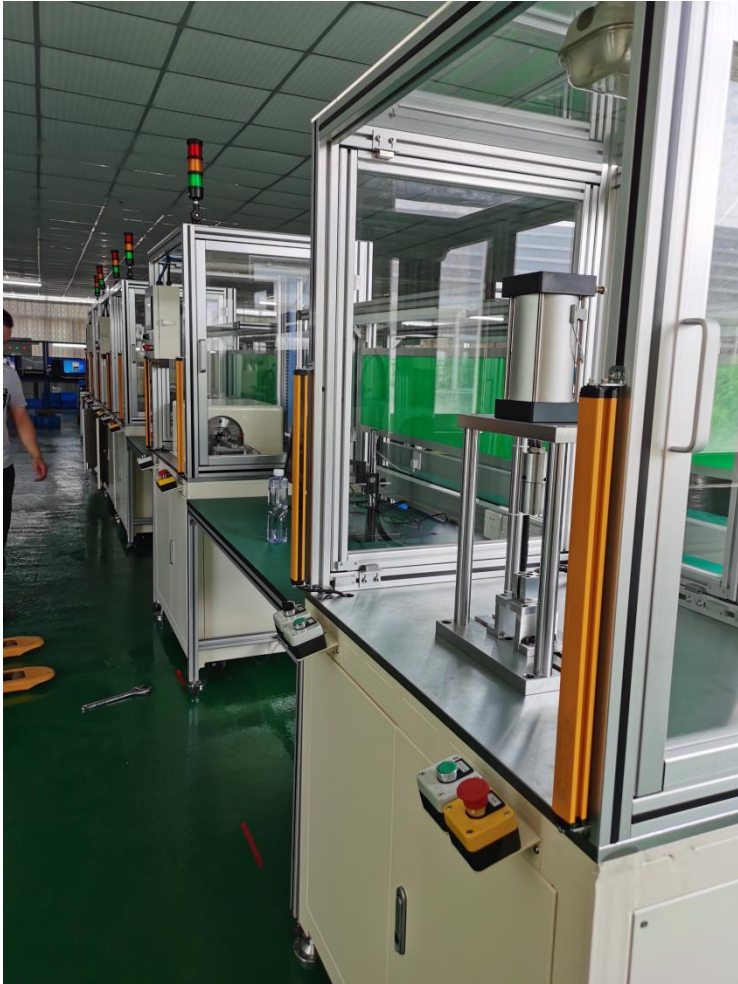


Device output

Nitrogen and oxygen sensor assembly line
Nitrogen and oxygen sensor controller
calibration equipment

01

Nitrogen and oxygen sensor business

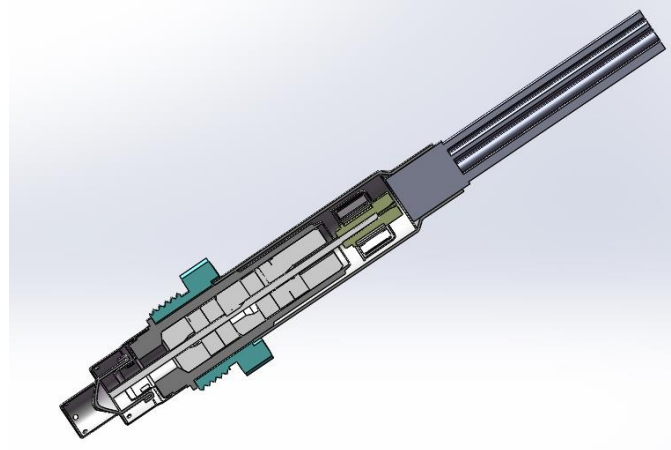
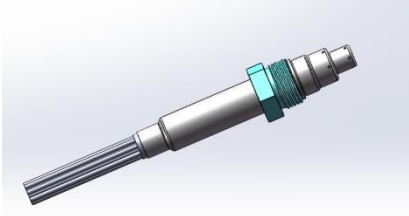


Device output

Nitrogen and oxygen sensor assembly line
Nitrogen and oxygen sensor controller
calibration equipment

01

Nitrogen and oxygen sensor business

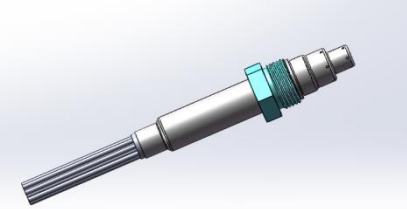


Technical output

Nitrogen oxygen sensor assembly process,
product structure design
Nitrogen and oxygen sensor assembly process training
and technical support

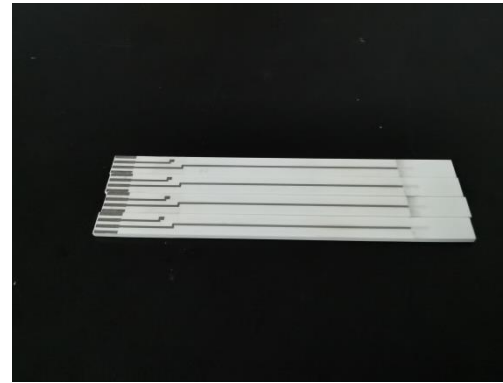
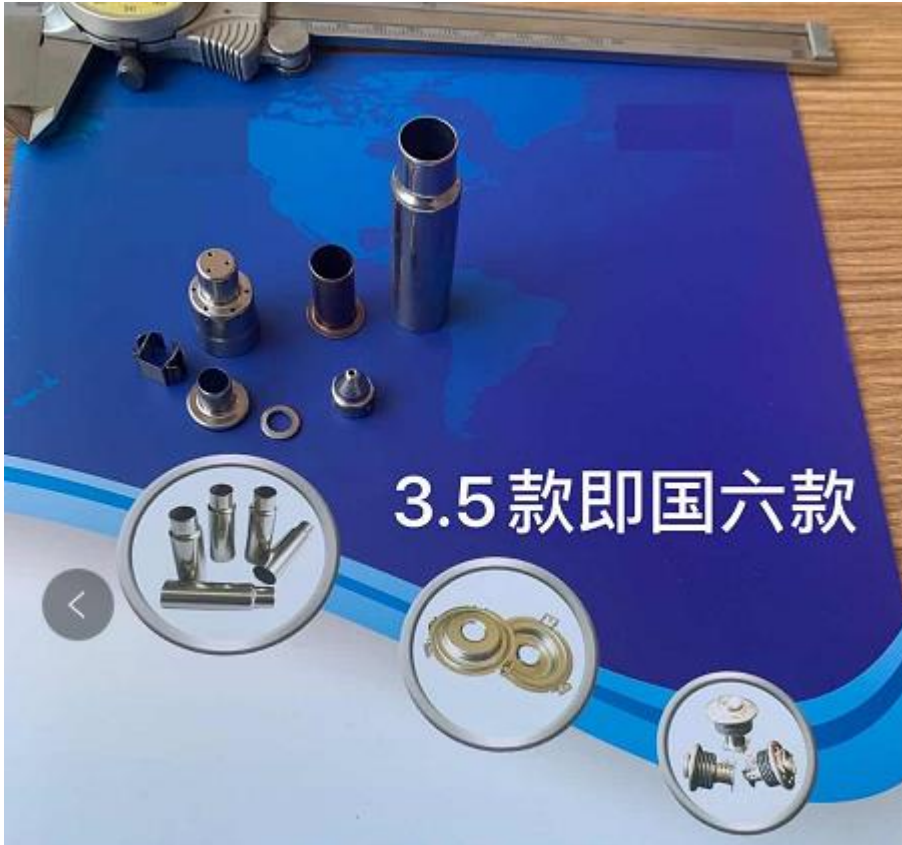
01

Nitrogen and oxygen sensor business



Raw material output

Nitrogen oxygen sensor complete assembly
sub-parts Nitrogen and oxygen sensor chip
Nitrogen and oxygen sensor control circuit board



Oxygen sensor business



Device output

Oxygen sensor assembly line
Oxygen sensor combustion test equipment
Oxygen sensor atmosphere calibration equipment

Technical output

Oxygen sensor assembly process, product structure design
Oxygen sensor assembly process training and technical support

Raw material output

Sub-parts for full assembly of oxygen sensor
Oxygen sensor chip
Oxygen sensor sealing powder ring

-
-
-

01

Oxygen sensor business



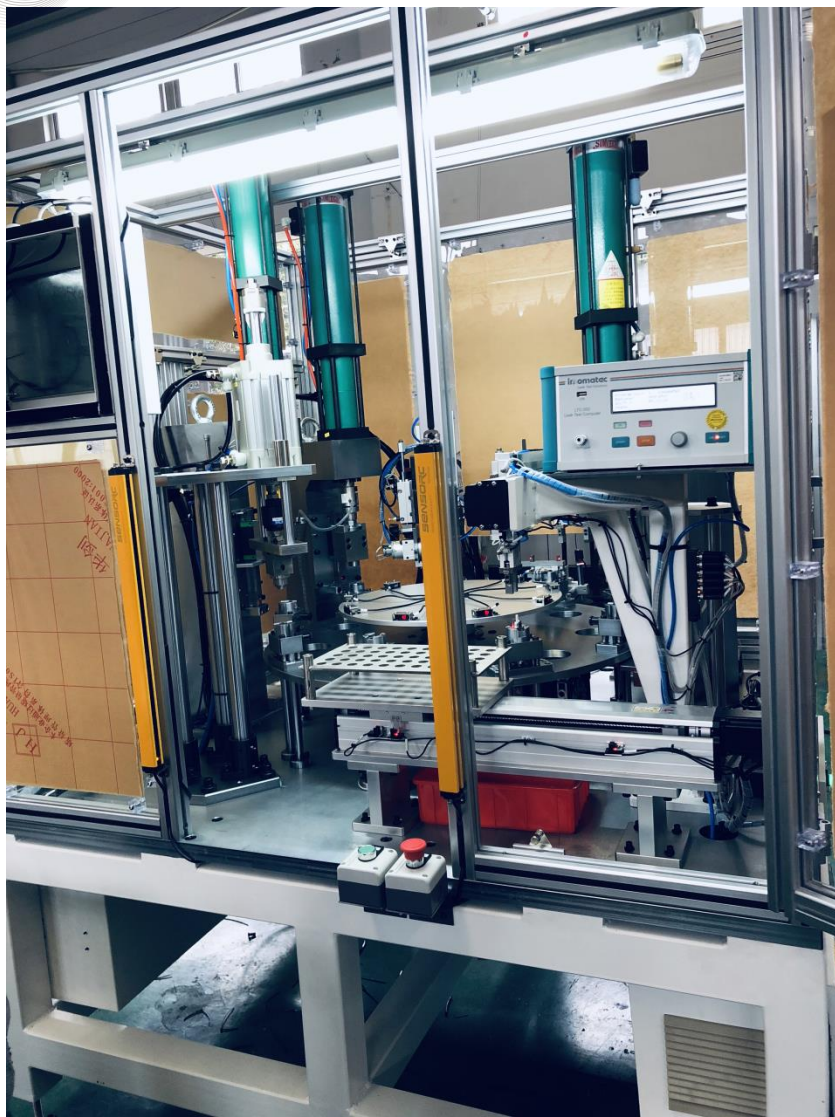
Device output

Oxygen sensor assembly line Oxygen sensor test equipment



01

Oxygen sensor business



Device output

Oxygen sensor assembly line Oxygen sensor test equipment

01

Oxygen sensor business



Device output

Oxygen sensor assembly line
Oxygen sensor test equipment

氧传感器匹配电阻标定及测试系统 Oxygen Sensor Match Resistance Calibration and Test System



用户名/User Name

密 码/ Password

记住用户名/Rem

登录Login

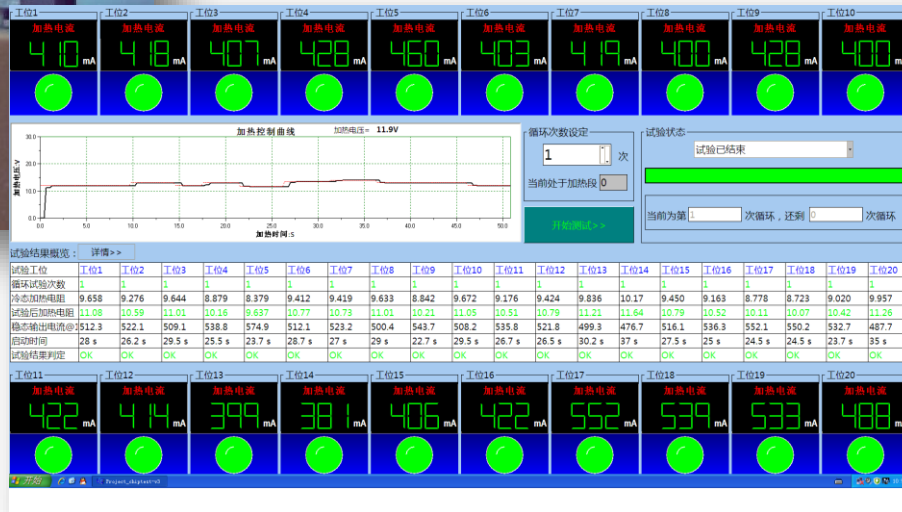
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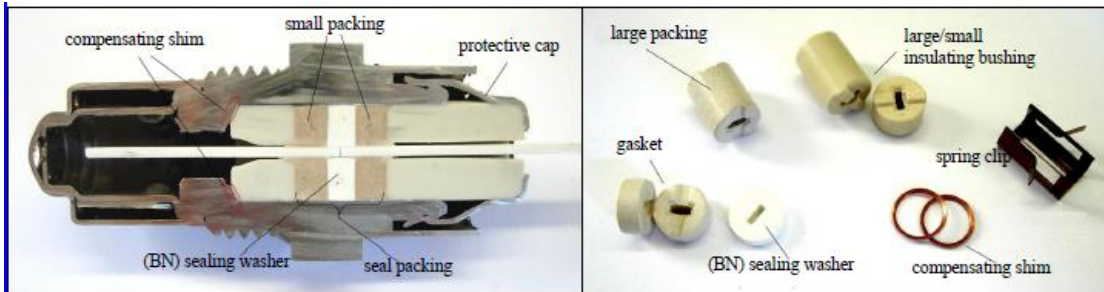
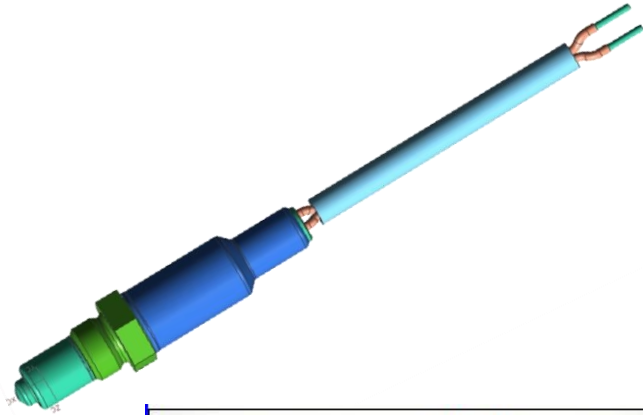
Oxygen sensor business

Device output

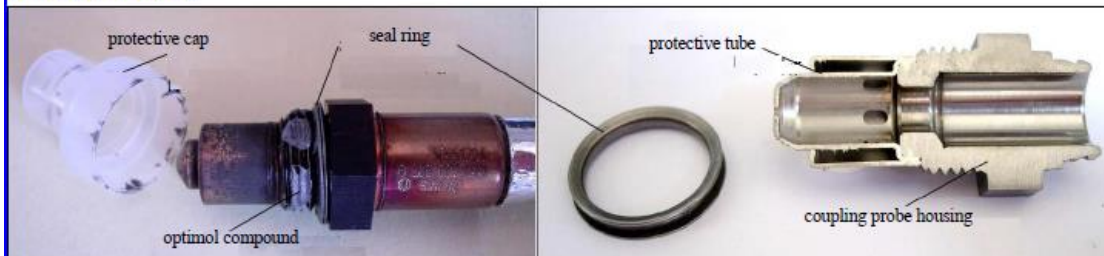
Oxygen sensor assembly line
Oxygen sensor test equipment



Oxygen sensor business



sensor, exterior side:



Technical output

Oxygen sensor assembly process, product structure design

Oxygen sensor assembly process training and technical support

Nitrogen and oxygen sensor business

Raw material output

Sub-parts for full assembly of oxygen sensor
Oxygen sensor chip

Mechanical Design

Qty Description

Short sensor

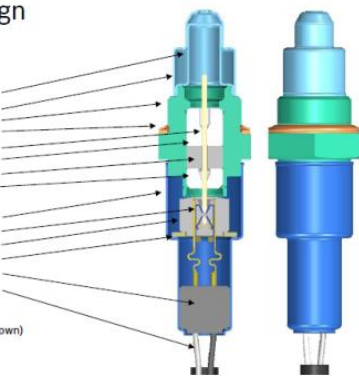
- 1 Protective tube, inner
- 1 Protective tube, outer
- 1 Sensor housing
- 1 Outer seal ring
- 1 Sensing element
- 1 Insulation bushing
- 1 Insulation packing
- 1 Insulation bushing

Wire harness

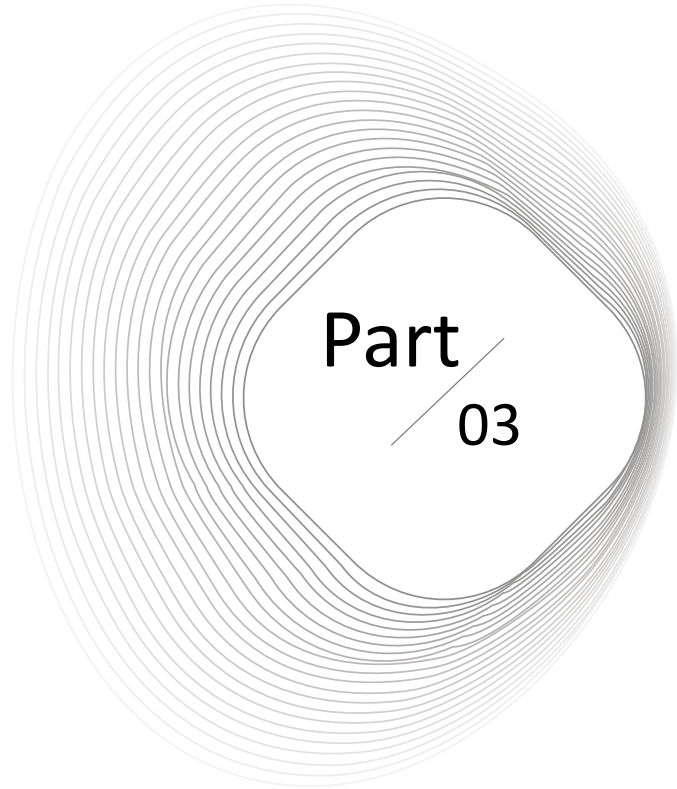
- 1 Protective sleeve
- 4 Contact springs
- 1 Contact bushing
- 1 Insulation bushing
- 1 Grommet
- 4 Wires-hlr/sensor/gnd.

Sensor components

- 1 Protective cap (not shown)



芯片名称	照片	尺寸	加热器电阻	适用于替代
汽车宽域五线NTK		52.6±0.5mm (L)*4.23±0.1mm (W)*1.27±0.1mm (H)	3.0~3.5	NTK 宽域4mA/6mA系列 DELPHI OSL 宽域
汽车宽域五线4.2		59.5±0.5mm (L)*4.34±0.1mm (W)*1.2±0.1mm (H)	3.5+/-0.5欧	博世LSU4.2系列
汽车宽域五线4.9		59.5±0.5mm (L)*4.34±0.1mm (W)*1.2±0.1mm (H)	3.2+/-0.5欧	博世LSU4.9系列
汽车四线加热型		53.5±0.5mm (L)*4.3±0.1mm (W)*1.2±0.1mm (H)	9+/-1欧	BOSCH LSF系列 DELPHI OSP+系列 DELPHI OSB系列
摩托车四线加热型		36.5±0.5mm (L)*4.25±0.1mm (W)*1.15±0.1mm (H)	9+/-1欧	叶盛系统 国产加热型 /NTK加热型
摩托车mini四线加热型		27±0.5mm (L)*2.54±0.1mm (W)*0.85±0.1mm (H)	17+/-3欧	DELPHI OSM MINI
摩托车非加热型		30±0.5mm (L)*2.55±0.1mm (W)*0.85±0.1mm (H)	/	BOSCH 非加热 NTK 非加热 国产 非加热



Core Team

Core Team



CYSSON Technology Co., Ltd. was established in July 2014. It is an innovative company with a full range of R&D capabilities for oxygen sensors. Team members have served the world's top 500 BOSCH and other international first-line EFI management system companies. Has many years of engineering technology experience in the oxygen sensor industry. CYSSON Technology is committed to becoming China's first-class oxygen sensor OEM supplier and boosting the development of the domestic oxygen sensor industry. Shanghai Stone's goal is to devote itself to creating excellent quality sensors to support the global first-class Lambda oxygen sensor supplier in the emission control industry!

Our engineering experience is further iterated: M12, M18 tubular and chip oxygen sensor assembly structure optimization design capabilities; zirconium tube chip testing equipment development capabilities; zirconium tube chip assembly production line equipment design and manufacturing capabilities; oxygen sensor finished product testing equipment design and manufacturing capabilities. Wide-area oxygen sensor calibration test capability. A full set of powder ring technology for gas sensor packaging; wide-area oxygen sensor, NOX nitrogen oxygen sensor packaging technology development capability; lambda meter controller development capability. Other non-standard automated design and manufacturing capabilities.

1) Project Manager: Jin Dabiao

Once worked in Changan Automobile Manufacturing Plant, responsible for project management;

2) Technical person in charge: Xu Chunhua

Worked at BOSCH United Electronics from 2007 to 2010, responsible for the research and development of engine sensors;

Since 2011, dedicated to the non-standard automated assembly industry of oxygen sensors and other gas sensor industries;

3) Mechanical design engineers: Xia Yunkun, Yao Han, Yao Bo

Have more than six years of experience in mechanical engineering design

4) Electrical engineer: Hu Junjie

Software Engineer: Hu Junwei

Served in the Technology Development Department of SAIC Motor

