

# MANYYEAR TECHNOLOGY COMPANY LIMITED

## COMPANY PROFILE



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MANYYEAR Technology Co., Ltd. was established in 2008.

We focus on mechanical measurement and design, and provide customers with precision load cell, force sensor, torque sensor and pressure sensor products.

We have our own production base, with a complete sensor production process from CNC processing, strain gauge production, metal surface treatment, sensor packaging, sensor testing, engineering testing, sensor calibration, etc.

We have the production capacity of providing millions of qualified products to customers every month.

We have passed ISO9001 standard certification. Our products have CE, ROHS, invention patents and other qualifications.

We provide OEM and ODM services to our customers.

We provide free design assistance to our customers.

### **Our product**

Load Cell | Force Sensor | Torque Sensor | Pressure Sensor  
| Weighing Controller | Pressure Controller

### **Our strengths**

S1. Professional production; S2. 20 years of professional manufacturing capacity; S3. Scale production capacity;

S4. On time delivery capability of products; S5. Standard workshop

**Engineering test**

T1. Stress testing equipment with maximum 800t and minimum 20g; T2. High precision electronic balance analysis laboratory;  
T3. Machining capacity of multi precision CNC; T4. 24-hour environment and life test

***Quality assurance***

Q1. The factory implements ISO9000 standard; Q2. Environmental standards; Q3. CE standard;  
Q4. Rohs standard;  
Q5. New practical patent; Q6. technical support; Q7. Assist customer design; Q8. Complete solution; Q9. OEM / ODM support

**PRODUCTION CATEGORY**

Load cell



Force sensor



Torque sensor



Pressure sensor



Controller



## The Enterpris Culture

Technology is changing lives!

Professional  
many year is only for force sensor  
since 1998.

Technology  
we provide the load cell, pressure  
sensor, force sensor and the force  
measurement solution...

More



## The Production Capacity

Provide Design, manufacture, sales,  
server of load cell since 1998.

20,000 square meter industrial park.

1000+ worker.

26 product station for porcess.

More



## The engineering and Testing

800t hydraulic machine.

Precision balance laboratory.

0.001g to 20t Weihing machine.

Truck scale test station.

CNC machine.

Life test chamber.

More



## The quality and Qualifaction

ISO, OIML, ROHS, CE. Utility Patents.

More

MANYYEAR

WHO TRUST US

亚马逊  
amazon.cn

Alibaba.com  
阿里巴巴

apex

美的 Midea

FLEXTRONICS X

TCL

vtech®  
伟易达

AIR  
PRODUCTS

华商龙  
WORLD SHINE

Withings  
Inspire health

Topband 拓邦

shelfx

XAG

ZICOX  
INTELLIGENT  
TECHNOLOGY

ELITechGroup  
SOLUTIONS  
tailored to your needs

Hontech

## Engineering test

T1. Stress testing equipment with maximum 800t and minimum 20g; T2. High precision electronic balance analysis laboratory;  
T3. Machining capacity of multi precision CNC; T4. 24-hour environment and life test



R&D CENTER  
QE CENTER



max 50kg load test



500kg impact test



24hr Hi-Lo temp. life test chamber



max 20t force over load test



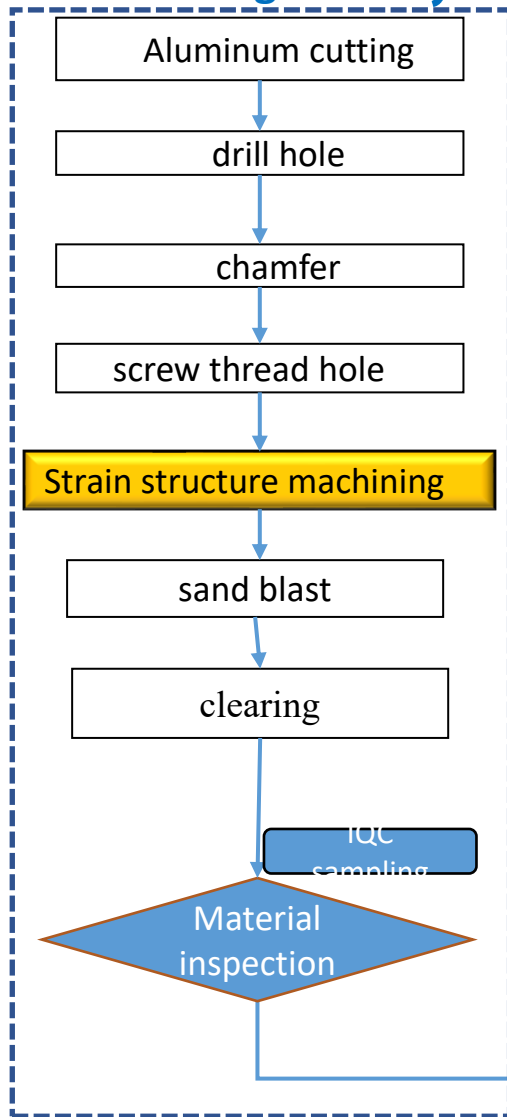
max 800t force test

## Manufacturing capacity

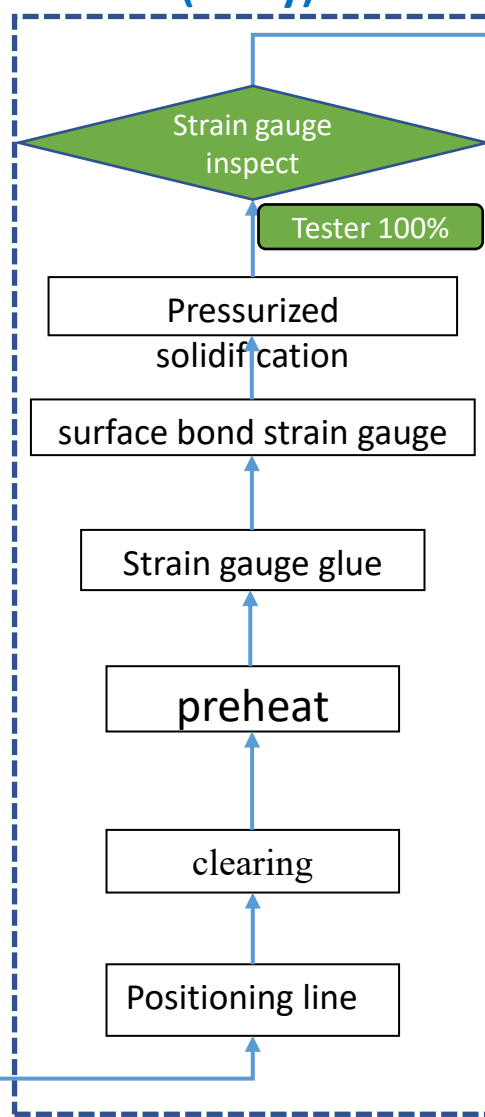
S1. Professional production; S2. 20 years of professional manufacturing capacity; S3. Scale production capacity; S4. On time delivery capability of products; S5. Standard workshop.

| Product process                                                                         |                                                                                                                   |                                                                                                                                           |                                                                                                                                         |                                                                                                                                         |                                                                                                                                         |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1, CNC CENTER<br>High precision CNC machine tools                                       | 2, Elastomer surface treatment<br>Environmental protection, safety of surface treatment center                    | 3, Elastomer installation calibration<br>Application of laser positioning technology, the calibration strain gauge installation location. | 7, besmear JiaoGong station<br>This work station use environmental protection silicone, covering the strain gauge and the welding line. | 8, silica gel drying<br>Have good coated silica gel products will be 24 hours of natural drying under constant temperature environment. | 9, attachment assembly<br>Attachment is installed in the stress sensor.                                                                 |
|        |                                  |                                                         |                                                      |                                                      |                                                      |
| 4, strain gauge center<br>Factories have strain gauge design and production technology. | 5, strain gauge is stuck<br>Strain gauge installation work station directly determine the precision of the sensor | 6, strain gauge bridge connection<br>Strain gauge and temperature compensator welded into a complete weighing unit                        | 10, the sensor output test<br>Use standard testing sensor, record the data.                                                             | 11, sampling inspection<br>The test sample for second sampling inspection.                                                              | 12, sensor group bridge<br>According to the measured data filtering with the specifications of the sensor, forming a complete weighing. |
|      |                                |                                                       |                                                    |                                                    |                                                    |

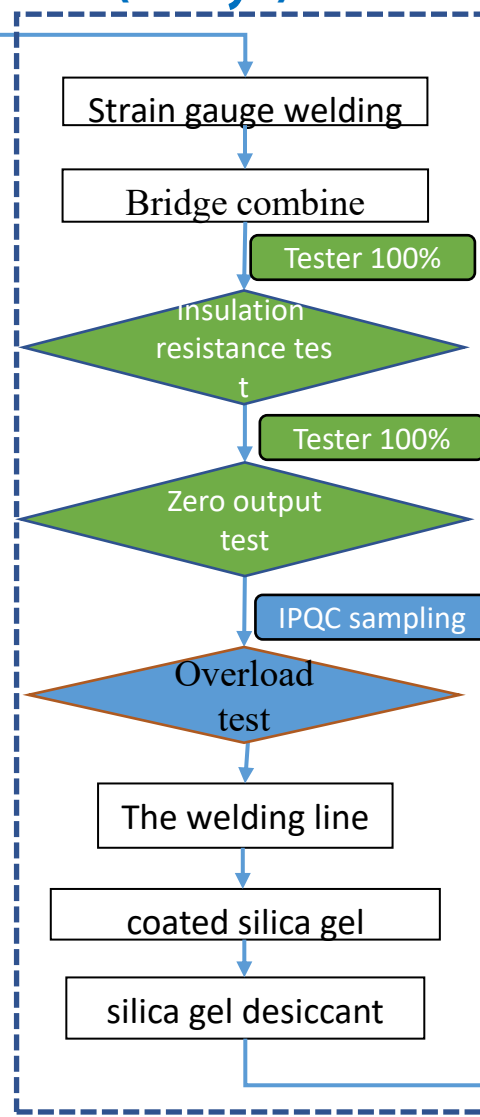
### Elastomer machining (7 day)



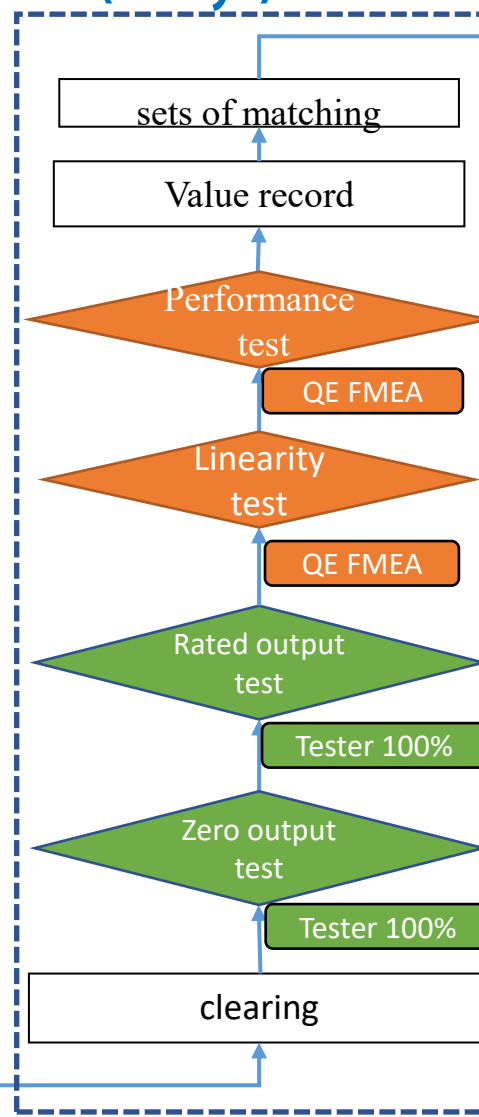
### Stick strain gauge (3 day)



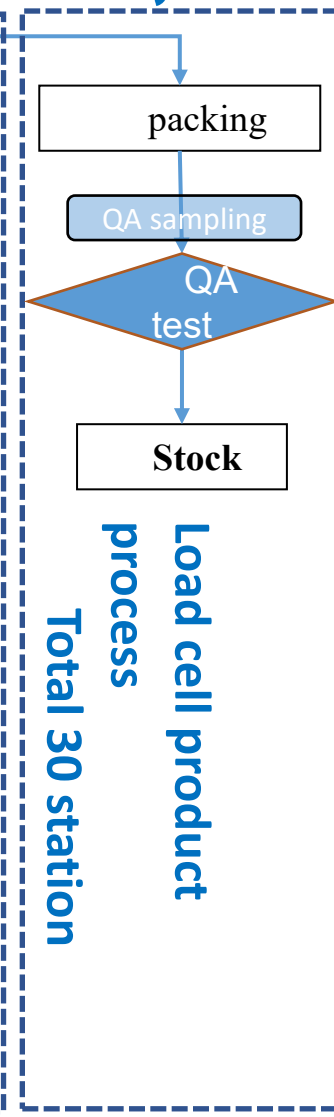
### Combine bridge (3 days)



### Load cell test (7 days)



### Packing (2 day)



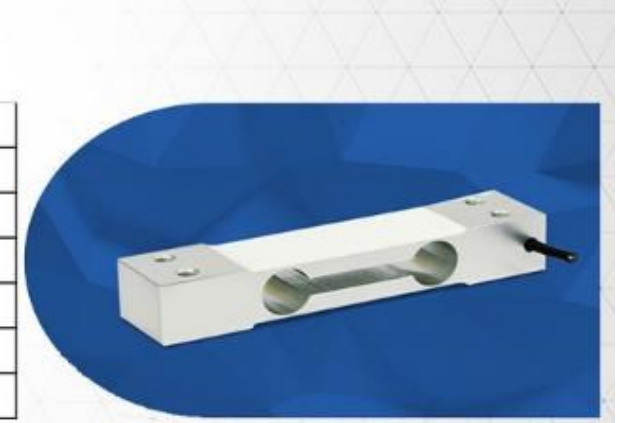
Load cell product  
process  
Total 30 station

Q1. The factory implements ISO9000 standard; Q2. Environmental standards; Q3. CE standard; Q4. Rohsl standard; Q5. New practical patent; Q6. technical support; Q7. Assist customer design; Q8. Complete solution; Q9. OEM / ODM support



## LOAD CELL

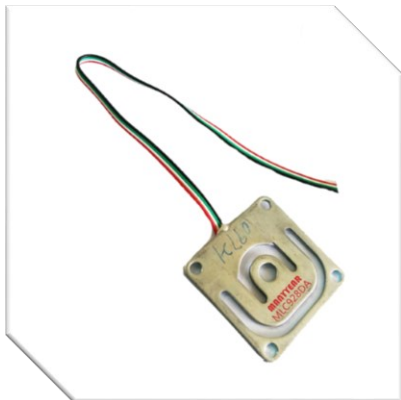
|     |                          |                                                   |
|-----|--------------------------|---------------------------------------------------|
| 1 ✓ | Multi-load range:        | 0-20G,100G,1000G,10KG,100KG,1T, 10T,100T,400T     |
| 2 ✓ | Various shapes available | Bridge type, Beam type, Pin type,S type,Flat type |
| 3 ✓ | Multiple working voltage | 3.0v, 5v, 9v, 12vdc                               |
| 4 ✓ | Multi-signal output      | mv/v,0-5v, 0-10v, 4-20mA, RS485                   |
| 5 ✓ | Multi-work temp.:        | ,-30c to 0c, 60c, 150c                            |
| 6 ✓ | High precision           | 0.01%fs, 0.02%,0.03%fs,0.05%fs, 0.1%fs            |
| 7 ✓ | High Customer Support    | IOS9000, CE, ROHS, OEM, ODM                       |



### Application:

body scale, kitchen scale, jewelry scale, platform scale, packaging scale, batching scale, inspection scale, belt scale and automatic weighing sensor system

Micro Load Cell



Parallel Beam  
Load Cell



Shear Beam  
Load Cell



Bridge Load Cell



## FORCE SENSOR

|     |                          |                                               |
|-----|--------------------------|-----------------------------------------------|
| 1 ✓ | Multi-force range        | 0-20G,100G,1000G,10KG,100KG,1T, 10T,100T,400T |
| 2 ✓ | Multi force type         | compression, tension, Multidirectional force  |
| 3 ✓ | Multiple working voltage | 3.0v, 5v, 9v, 12vdc                           |
| 4 ✓ | Multi-signal output      | mv/v,0-5v, 0-10v, 4-20mA, RS485               |
| 5 ✓ | High precision           | 0.01%fs, 0.02%,0.03%fs,0.05%fs, 0.1%fs        |
| 6 ✓ | High protection level    | IP65,IP66                                     |
| 7 ✓ | High Customer Support    | IOS9000, CE, ROHS, OEM, ODM                   |



### Application:

Force testing machine force sensor, hydraulic machinery force sensor, textile tension force sensor, cable tension force sensor, impact force sensor, tension force sensor, safety overload force sensor.

S Tension  
Load Cell



Column Force  
Load Cell



Bottom  
Force Sensor



Washer Force  
Load Cell



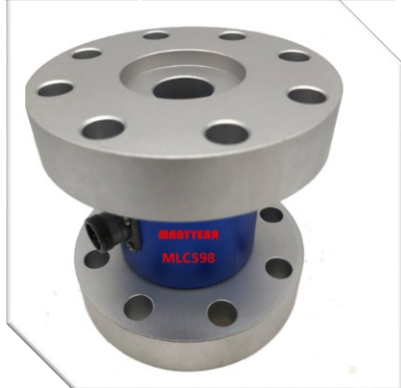
## TORQUE SENSOR

|     |                          |                                         |
|-----|--------------------------|-----------------------------------------|
| 1 ✓ | Multi-range              | 0.03, 0.5, 1.0, 10, 100, 1k, 10k, 50kum |
| 2 ✓ | Multi force type         | Dynamic type, static type               |
| 3 ✓ | Multiple working voltage | 5v, 9v, 12, 24vdc                       |
| 4 ✓ | Multi-signal output      | mv/v, 0-5v, 0-10v, 4-20mA, RS485        |
| 5 ✓ | High precision           | 0.1%, 0.2%, 0.3%fs                      |
| 6 ✓ | High response time       | 100us                                   |
| 7 ✓ | High Customer Support    | IOS9000, CE, ROHS, OEM, ODM             |

**Application:**

mechanical torque sensor, gear torque, torque wrench, testing machine torque, electric screwdriver, automatic screw machine, motor torque, viscometer, winding tension sensor.

Flange Static  
Torque Sensor



Shaft Static  
Torque Sensor



Micro Dynamic  
Torque Sensor



Flange Dynamic  
Torque Sensor



## PRESSURE SENSOR

|     |                          |                                                            |
|-----|--------------------------|------------------------------------------------------------|
| 1 ✓ | Multi-pressure range     | , -20kpa, 500pa, 1kpa, 1bar, 10bar, 100bar, 1kbar, 10kbar, |
| 2 ✓ | Multi pressure type      | Negative pressure, absolute pressure, gauge pressure       |
| 3 ✓ | Multiple working voltage | 5v, 9v, 12v, 24v, 36v                                      |
| 4 ✓ | Multi-signal output      | mv/v, 0-5v, 0-10v, 4-20mA, RS485                           |
| 5 ✓ | High precision           | 0.1%, 0.2%, 0.5%fs                                         |
| 6 ✓ | Wide temperature range   | , -265c, -196c, -100c, 60c, 150c, 400c, 800c, 1000c        |
| 7 ✓ | Multiple media           | Air, liquid, melt, mixed substance                         |



### Application:

High temp pressure, liquid nitrogen pressure, liquid oxygen pressure, liquid hydrogen pressure, food processing, gas pressure, liquid pressure, melt pressure, water vapor pressure, water level measurement, oil measurements

Universal  
Pressure Sensor



High Temp.  
Pressure Sensor



Differential  
Pressure Sensor



Level  
Pressure Sensor



Pressure Switch



## DIGITAL INSTRUMENT

|     |                            |                                                                              |
|-----|----------------------------|------------------------------------------------------------------------------|
| 1 ✓ | Multi-Voltage optional     | 3.3vdc, 5vdc, 9-12vdc, 24-36vdc, 95-240vac                                   |
| 2 ✓ | Multi-Application optional | weighing ADC, platform scale, packing scale, batching scale, vending machine |
| 3 ✓ | Analog Signal Output       | mv/v, 0-5vdc, 0-10vdc, 4-20ma                                                |
| 4 ✓ | Control Signal Output      | Relay, Ttl, I/O                                                              |
| 5 ✓ | Digital Signal Output      | Rs485, Rs232, BT, Wireless                                                   |
| 6 ✓ | Multi-Function             | Calibration, Zero, Tare, Alarm setting                                       |
| 7 ✓ | Higher resolution          | 0.1 g                                                                        |



### Application:

weight indicators, weighing controllers, weight transmitters, pressure controllers, force measurement controllers, packaging scale controllers, belt scale controllers, batching scale controllers, platform scale controllers.

#### WEIGHT CONTROLLER



#### PRESSURE CONTROLLER



#### FORCE CONTROLLER



#### WEIGHT TRANSMITTER

