

[1]

## EU - TYPE EXAMINATION CERTIFICATE

[2]

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU Annex III, Module B

[3]

EU – Type Examination Certificate Number ACE26ATEX025X Rev00

[4]

Product Explosion-proof robot Model: YLD200-26A/EX-EU, YLD50-25A/EX-EU

[5]

Manufacturer Harbin Yulong Automation Co., Ltd.

[6]

Address No. 7, Tianchi Road, Xiangfang District, Harbin City,  
Heilongjiang Province, China

[7]

This equipment or protective system and any acceptable variation there to are specified in the schedule to this certificate and the documents therein referred to.

[8]

Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive

The examination and test results are recorded in confidential Report nº. EX\_EXP005\_26\_26-903,  
EX\_GEN014\_26\_26-903

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 : Explosive atmospheres — Part 0: Equipment — General requirements

EN 60079-1:2014: Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures ‘d’

EN 60079-2:2014/AC:2015 Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure ‘p’

EN IEC 60079-7: 2015/A1:2018: Explosive atmospheres - Part 7: Equipment protection by increased safety ‘e’

EN 60079-11: 2013 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety ‘i’

EN 60079-31:2014: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure ‘t’

[10]

If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of This certificate.

[11]

This EU – Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12]

The marking of the equipment or protective system shall include the following:



II 2G Ex db eb ia pxb IIC T5 Gb

II 2D Ex ia tb pxb IIIC T100°C Db

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Date: 17/07/2026



**Advanced Consulting and Engineering  
Iberia SL**

Notified Body No NB3024

Matteo Marconi, CEO

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[13]

## SCHEDULE

[14]

EU-Type Examination Certificate No: ACE26ATEX025X Rev00

[15] Description of equipment

The explosion-proof robot is used to the Zone 1, Zone 2, Zone 21 and Zone 22 explosive atmosphere.

The explosion-proof robot is designed in the protection of pressurization. The explosion-proof robot has two models: YLD200-26A/EX-EU and YLD50-25A/EX-EU, each explosion-proof robot consists of a robot control box, a robot body and a positive pressure controller.

The robot body is a "p" chamber, The enclosure materials of robot body is ZL101A-T6, QT450-10 and A356.

The robot control box is a "p" chamber, The enclosure material is Q235B, there is an observation window on the door panel of robot control box.

A certified positive pressure controller is installed on the outside of the robot control box.

The positive pressure controller provides positive pressure protective gas for the series-connected robot control box and robot body.

| Robot model:                         | YLD50-25A/EX-EU | YLD200-26A/EX-EU |
|--------------------------------------|-----------------|------------------|
| Degrees of Freedom                   | 6               | 6                |
| Installation Type                    | Fixed           | Fixed            |
| Maximum Load (kg)                    | 50              | 200              |
| Maximum Reach (mm)                   | 2565            | 2604             |
| Rated Voltage(VAC)                   | 380             | 380              |
| Rated Power(kW)                      | 18              | 6                |
| Rated Frequency(Hz)                  | 50              | 50               |
| Minimum Ventilation Flow Rate(L/min) | 200             | 200              |
| Maximum Overvoltage Value(Pa)        | 1000            | 1000             |
| Minimum Overpressure(Pa)             | 250             | 250              |
| Minimum Purge Time(Min)              | 45              | 45               |
| Maximum Leakage Rate(L/min)          | 90              | 90               |

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## SCHEDULE

[14]

EU – Type Examination Certificate No: ACE26ATEX025X Rev00

[16]

Test documents are listed in the test report nº  
EX\_EXP005\_26\_26-903, EX\_GEN014\_26\_26-903

[17]

Special conditions for safe use

1. The electrical installation of the explosion-proof robot shall conform with EN 60079-14 and the instruction manual.
2. The repair and overhaul of explosion-proof robot shall not be conducted by the end user. The end user shall inform the manufacturer immediately.
3. The air source at the product installation site should be able to provide a flowrate of at least 200L/min.
4. The content of the enclosure shall be placed in any arrangement provided an area of at least 40% of each cross-sectional area remains free.
5. Ambient temperature range: 0°C to +40°C.
6. WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
7. WARNING – DO NOT OPEN WHEN ENERGIZED.
8. WARNING – DO NOT EXPOSE TO ULTRAVIOLET LIGHT.
9. WARNING – POWER SHALL NOT BE RESTORED AFTER THE ENCLOSURE HAS BEEN OPENED UNTIL COMBUSTIBLE DUST ACCUMULATIONS WITHIN THE ENCLOSURE HAVE BEEN REMOVED.
10. WARNING – PRESSURIZED ENCLOSURE.
11. The explosion-proof electric appliances box shall be installed in at least a pollution degree 2 environment.
12. There's a YL-SKY-1 teach pendant inside the robot control box, end users can't be used in explosive atmosphere, only in safe areas.

[18]

Essential Health and Safety Requirements  
Are fulfilled by the harmonized standard

[19]

Documents and technical datasheets:

| Title                                                                  | Object                | Revision | Date       |
|------------------------------------------------------------------------|-----------------------|----------|------------|
| YLD200-26A/EX-EU, YLD50-25A/EX-EU<br>Explosion-proof robot User Manual | JS-09                 | V1.0     | 2026.01    |
| General Assembly Drawing of Robot Body<br>and Control Box              | YLD200-26A / EX-EU    | V1       | 2026.01.13 |
| Robot body                                                             | YLD200-26A / EX-EU    | V1       | 2026.01.13 |
| Base Assembly-ATEX                                                     | M210-26A-ATEX-01-00-A | V1       | 2026.01.13 |
| Waist & Upper Arm Assembly-ATEX                                        | M210-26A-ATEX-02-00-A | V1       | 2026.01.13 |
| 3rd Axis Assembly-ATEX                                                 | M210-26A-ATEX-03-00-A | V1       | 2026.01.13 |
| Forearm & Wrist Joint Assembly-ATEX                                    | M210-26A-ATEX-04-00-A | V1       | 2026.01.13 |
| Base Wiring Board(New Flameproof Cabinet)-<br>ATEX                     | M210-26A-01-08-ATEX-A | V1       | 2026.01.13 |
| Base                                                                   | M210-26A-01-01-A      | V1       | 2026.01.13 |

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|                                                        |                        |    |            |
|--------------------------------------------------------|------------------------|----|------------|
| Base Bottom Cover Plate-ATEX                           | M210-26A-01-07-ATEX-A  | V1 | 2026.01.13 |
| J1 Central Tube                                        | M210-26A-01-02-A       | V1 | 2026.01.13 |
| J1 Oil Filling Hole Baffle                             | M210-26A-02-09-A       | V1 | 2026.01.13 |
| J1 Reducer Adapter Flange-ATEX                         | M210-26A-02-03-ATEX-A  | V1 | 2026.01.13 |
| Waist Base                                             | M210-26A-02-01-A       | V1 | 2026.01.13 |
| J1 Motor Sealing End Cover-ATEX                        | M80-21A-02-08-ATEX-A   | V1 | 2026.01.13 |
| J2 Motor Sealing End Cover-ATEX                        | M80-21A-02-09-ATEX-A   | V1 | 2026.01.13 |
| J2J3 Cable Routing Protective Side Cover-ATEX          | M80-21A-05-02-ATEX-A   | V1 | 2026.01.13 |
| J2J3 Cable Routing Protective-ATEX                     | M210-26A-05-01-ATEX-A  | V1 | 2026.01.13 |
| J2J3 Cable Routing Protective Support Shaft            | M210-26A-02-15-A       | V1 | 2026.01.13 |
| Upper Arm                                              | M210-26A-02-02-B       | V1 | 2026.01.13 |
| Upper Arm Side Cover-ATEX                              | M210-26A-02-04-ATEX-A  | V1 | 2026.01.13 |
| Third Axis                                             | M210-26A-03-01-A       | V1 | 2026.01.13 |
| J4 Motor Sealing End Cover-ATEX                        | M80-21A-03-07-ATEX-A   | V1 | 2026.01.13 |
| J4 Central Tube                                        | M210-26A-03-04-B       | V1 | 2026.01.13 |
| Forearm Adapter Flange-ATEX                            | M210-26A-04-02-ATEX-B  | V1 | 2026.01.13 |
| Forearm                                                | M210-26A-04-01-B       | V1 | 2026.01.13 |
| Forearm Side Cover-ATEX                                | M210-26A-04-10-ATEX-A  | V1 | 2026.01.13 |
| J5 Axis Reducer Input Shaft Bearing Housing            | M210-26A-04-04-02-A    | V1 | 2026.01.13 |
| J5 Axis Reducer Input Shaft                            | M210-26A-04-04-01-A    | V1 | 2026.01.13 |
| J6 Axis Large Pulley                                   | M210-26A-04-07-01-A    | V1 | 2026.01.13 |
| J6 Axis Gear Seat Cylinder 2                           | M210-26A-04-03-04-01-A | V1 | 2026.01.13 |
| Wrist Joint Bearing Support Base                       | M210-26A-04-05-01-A    | V1 | 2026.01.13 |
| M20×1-Screw Plug-ATEX                                  | M80-21A-04-17-ATEX-A   | V1 | 2026.01.13 |
| Base Terminal Block Sealing Gasket-ATEX                | M210-26A-01-10-ATEX-B  | V1 | 2026.01.13 |
| J1 Oil Hole Baffle Sealing Gasket-ATEX                 | M210-26A-02-21-ATEX-B  | V1 | 2026.01.13 |
| J1 Motor Cover Sealing Gasket-ATEX                     | M80-21A-02-17-ATEX-B   | V1 | 2026.01.13 |
| J2 Motor Cover Sealing Gasket-ATEX                     | M80-21A-02-18-ATEX-B   | V1 | 2026.01.13 |
| J2J3 Cable Protection Side Cover Sealing Gasket-ATEX   | M80-21A-05-06-ATEX-B   | V1 | 2026.01.13 |
| Upper Arm Sealing Gasket-ATEX                          | M210-26A-02-22-ATEX-B  | V1 | 2026.01.13 |
| J4 Motor Cover Sealing Gasket-ATEX                     | M80-21A-03-11-ATEX-B   | V1 | 2026.01.13 |
| Forearm Side Cover Sealing Gasket-ATEX                 | M210-26A-04-15-ATEX-B  | V1 | 2026.01.13 |
| Marking-2                                              | YLD200-26A-01-A        | V1 | 2026.01.13 |
| General Assembly Drawing of Robot Body and Control Box | YLD50-25A / EX-EU      | V1 | 2026.01.13 |
| Robot body                                             | YLD50-25A / EX-EU      | V1 | 2026.01.13 |
| Waist & Upper Arm Assembly-ATEX                        | M50-25A-ATEX-01-00-A   | V1 | 2026.01.13 |

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|------------------------------------------------|-------------------------|----|------------|
| 3rd Axis Assembly-ATEX                         | M80-21A-ATEX-03-00-A    | V1 | 2026.01.13 |
| Forearm & Wrist Joint Assembly-ATEX            | M80-21A-ATEX-04-00-A    | V1 | 2026.01.13 |
| Base Assembly(New Flameproof Cabinet)-ATEX     | M80-21A-ATEX-12-00-A    | V1 | 2026.01.13 |
| Base Wiring Board(New Flameproof Cabinet)-ATEX | M210-26A-01-08-ATEX-A   | V1 | 2026.01.13 |
| Base Bottom Cover Plate-ATEX                   | M210-26A-01-07-ATEX-A   | V1 | 2026.01.13 |
| Base                                           | M210-26A-01-01-A        | V1 | 2026.01.13 |
| J1 Central Tube                                | M210-26A-01-02-A        | V1 | 2026.01.13 |
| J1 Reducer Adapter Flange-ATEX                 | M80-21A-02-02-ATEX-A    | V1 | 2026.01.13 |
| J1 Oil Filling Hole Baffle                     | M80-21A-02-07-A         | V1 | 2026.01.13 |
| Waist Base                                     | M80-21A-02-01-A         | V1 | 2026.01.13 |
| J1 Motor Sealing End Cover-ATEX                | M80-21A-02-08-ATEX-A    | V1 | 2026.01.13 |
| J2 Motor Sealing End Cover-ATEX                | M80-21A-02-09-ATEX-A    | V1 | 2026.01.13 |
| J2J3 Cable Routing Protective Side Cover-ATEX  | M80-21A-05-02-ATEX-A    | V1 | 2026.01.13 |
| J2J3 Cable Protection Main Body-ATEX           | M80-21A-05-01-ATEX-A    | V1 | 2026.01.13 |
| Cable Routing Elbow Adapter-ATEX               | M80-21A-05-05-ATEX-A    | V1 | 2026.01.13 |
| Cable Protection Adapter Shaft                 | M80-21A-05-03-A         | V1 | 2026.01.13 |
| Upper Arm                                      | M50-25A-01-01-A         | V1 | 2026.01.13 |
| New Extended Upper Arm Cover Plate             | M50-25A-01-05-A         | V1 | 2026.01.13 |
| Third Axis                                     | M80-21A-03-01-A         | V1 | 2026.01.13 |
| J3 Motor Sealing End Cover-ATEX                | M80-21A-03-08-ATEX-A    | V1 | 2026.01.13 |
| J4 Motor Sealing End Cover-ATEX                | M80-21A-03-07-ATEX-A    | V1 | 2026.01.13 |
| J4 Reducer Center Tube                         | M80-21A-03-03-A         | V1 | 2026.01.13 |
| Forearm Reducer Adapter                        | M80-21A-03-02-00-ATEX-A | V1 | 2026.01.13 |
| Forearm                                        | M80-21A-04-01-A         | V1 | 2026.01.13 |
| Forearm Side Cover-ATEX                        | M80-21A-04-10-ATEX-A    | V1 | 2026.01.13 |
| J5 Axis Reducer Input Shaft Bearing Housing    | M80-21A-04-05-02-A      | V1 | 2026.01.13 |
| J5 Axis Reducer Input Shaft                    | M80-21A-04-05-01-A      | V1 | 2026.01.13 |
| J6 Axis Large Pulley 5GT-56                    | M80-21A-04-07-A         | V1 | 2026.01.13 |
| Wrist Joint Bearing Support Base               | M80-21A-04-03-01-A      | V1 | 2026.01.13 |
| J6 Axis Gear Seat Cylinder 2                   | M80-21A-04-04-01-A      | V1 | 2026.01.13 |
| M20×1-Screw Plug-ATEX                          | M80-21A-04-17-ATEX-A    | V1 | 2026.01.13 |
| M16×1-Screw Plug-ATEX                          | M80-21A-04-18-ATEX-A    | V1 | 2026.01.13 |
| Base Terminal Block Sealing Gasket-ATEX        | M210-26A-01-10-ATEX-B   | V1 | 2026.01.13 |
| J1 Oil Hole Baffle Sealing Gasket-ATEX         | M80-21A-02-16-ATEX-B    | V1 | 2026.01.13 |
| J1 Motor Cover Sealing Gasket-ATEX             | M80-21A-02-17-ATEX-B    | V1 | 2026.01.13 |
| J2 Motor Cover Sealing Gasket-ATEX             | M80-21A-02-18-ATEX-B    | V1 | 2026.01.13 |

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| J2J3 Cable Protection Side Cover Sealing Gasket-ATEX | M80-21A-05-06-ATEX-B | V1         | 2026.01.13 |
| Upper Arm Cover Plate Sealing Gasket-ATEX            | M50-25A-01-10-ATEX-B | V1         | 2026.01.13 |
| J3 Motor Cover Sealing Gasket-ATEX                   | M80-21A-03-10-ATEX-B | V1         | 2026.01.13 |
| J4 Motor Cover Sealing Gasket-ATEX                   | M80-21A-03-11-ATEX-B | V1         | 2026.01.13 |
| Forearm Side Cover Sealing Gasket-ATEX               | M80-21A-04-16-ATEX-B | V1         | 2026.01.13 |
| Marking-1                                            | YLD50-25A-01-A       | V1         | 2026.01.13 |
| Control box                                          | REC-PX1-00-A         | V1         | 2026.01.13 |
| Positive Pressure Cabinet Frame Welding              | REC-EX1-01-00-C      | V1         | 2026.01.13 |
| Door Welding                                         | REC-EX1-02-01-00-B   | V1         | 2026.01.13 |
| Small Door Welding                                   | REC-EX1-02-02-00-B   | V1         | 2026.01.13 |
| Large Inlet Plate                                    | REC-EX1-10-A         | V1         | 2026.01.13 |
| Small Inlet Plate                                    | REC-EX1-11-A         | V1         | 2026.01.13 |
| Observation Window Clamp Plate                       | REC-EX1-02-10-A      | V1         | 2026.01.13 |
| Large Door Sealing Gasket                            | REC-EX1-27-A         | V1         | 2026.01.13 |
| Small Door Sealing Gasket                            | REC-EX1-28-A         | V1         | 2026.01.13 |
| Large Inlet Plate Sealing Gasket                     | REC-EX1-14-A         | V1         | 2026.01.13 |
| Small Inlet Plate Sealing Gasket                     | REC-EX1-15-A         | V1         | 2026.01.13 |
| Observation Window Silicone Gasket-2                 | REC-EX1-02-12-A      | V1         | 2026.01.13 |
| Observation Window                                   | REC-EX1-02-04-A      | V1         | 2026.01.13 |
| Observation Window Silicone Gasket                   | REC-EX1-02-11-A      | V1         | 2026.01.13 |
| Instrument Tube                                      | REC-EX1-22-B         | V1         | 2026.01.13 |
| Instrument Tube                                      | REC-EX1-20-B         | V1         | 2026.01.13 |
| Instrument Tube                                      | REC-EX1-21-B         | V1         | 2026.01.13 |
| Instrument Tube                                      | REC-EX1-24-A         | V1         | 2026.01.13 |
| Instrument Tube                                      | REC-EX1-23-A         | V1         | 2026.01.13 |
| Pressurization System Logic Diagram                  | YLD-P-P-L-D          | V1         | 2026.01.13 |
| YLD200-26A-EX-EU YLD50-25A-EX-EU Wiring Diagram      | /                    | V14.12.25X | 2026.01.12 |
| Technical Document of GPH060                         | FJS-07               | Rev.A      | 2025.11.13 |
| Technical Document of 40Cr                           | JS-04                | Rev.A      | 2025.11.22 |
| Technical Document of 45#                            | JS-03                | Rev.A      | 2025.11.21 |
| Technical Document of 304                            | JS-07                | Rev.A      | 2025.11.13 |
| Technical Document of 316L                           | JS-09                | Rev.A      | 2025.11.02 |
| Technical Document of 6061-T6                        | JS-02                | Rev.A      | 2025.11.15 |
| Technical Document of A356                           | JS-05                | Rev.A      | 2025.11.05 |
| Technical Document of EPDM                           | FJS-03               | Rev.A      | 2025.09.25 |
| Technical Document of FKM                            | FJS-02               | Rev.A      | 2025.08.30 |
| Technical Document of LC4                            | JS-01                | Rev.A      | 2025.09.05 |
| Technical Document of Nylon12                        | FJS-06               | Rev.A      | 2025.11.11 |

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| Technical Document of PFTE           | FJS-04 | Rev.A | 2025.09.30 |
| Technical Document of Q235B          | JS-08  | Rev.A | 2025.11.02 |
| Technical Document of QT450-10       | JS-11  | Rev.A | 2025.09.05 |
| Technical Document of SCM435         | JS-06  | Rev.A | 2025.12.22 |
| Technical Document of Silica rubber  | FJS-01 | Rev.A | 2025.11.21 |
| Technical Document of Tempered Glass | FJS-05 | Rev.A | 2025.12.23 |
| Technical Document of ZL101A-T6      | JS-10  | Rev.A | 2025.12.05 |
| Technical Document of aluminum 1060  | JS-12  | Rev.A | 2025.12.06 |

The above-mentioned documents are strictly confidential and they are of only use of authorities.  
A copy of the documents is saved by A.C.&E. Iberia S.L.

[20]

## Certificate History

| Certificate Number | Rev. | Comments       | Date       |
|--------------------|------|----------------|------------|
| ACE26ATEX025X      | 00   | First emission | 17/07/2026 |

Date: 17/07/2026



**Advanced Consulting and Engineering**

**Iberia SL**

Notified Body No NB3024

Matteo Marconi, CEO

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