

# AUBO

## Screwdriving Robot

AUBO screwdriving robot can be easily deployed onto various machines, eliminating the necessity for external electric screwdrivers and significantly simplifying the screwdriving integration process. The programming process is made straightforward for all users including those with limited technical expertise in industrial screwdriving. AUBO screwdriving robot offers an intuitive user interface and customized project templates specifically designed for screwdriving applications; allowing for quick and easy set up of the robot for the job. AUBO's innovative screwdriving robot brings in a reliable, maintenance-free and cost-effective solution for our clients who want to improve their productivity with more automation.



### FLEXIBLE DEPLOYMENT



AUBO screwdriving robot can be easily deployed on any machine and is ready to use without the extra need or hassle of integrating and configuring any electric screwdrivers. The simplified equipment integration process makes your production line more flexible and efficient, as well as keeping the long-term maintenance cost low.

### EASY PROGRAMMING



AUBO screwdriving robot has a well-designed and intuitive user interface as well as project templates to enhance the user experience. Regardless of your technical background in industrial screwdriving, you can easily and quickly set up the robot to begin the production process.

### QUICK INVESTMENT RETURN



AUBO screwdriving robot is integrated with an efficient screw bit locking module, which eliminates the need for separate electric screwdrivers and controllers. This reduces the initial cost of investment and significantly improves operational efficiency and equipment reliability, resulting in a quicker return on investment.

## Product Advantages

- ✓ The fully integrated cobot-screwdriver significantly reduces the overall hardware costs.
- ✓ Powerful high-torque servo motors ensure excellent repeatability and versatility in your operations.
- ✓ The innovative and optimized system provides controllable and traceable torque and speed.
- ✓ The cobot-screwdriver features low noise, low vibration, long life, and high reliability.
- ✓ A two-in-one controller and software with a simplified interface and convenient operation.
- ✓ A library of tightening strategies provides rich customizability according to your needs.

## Applications

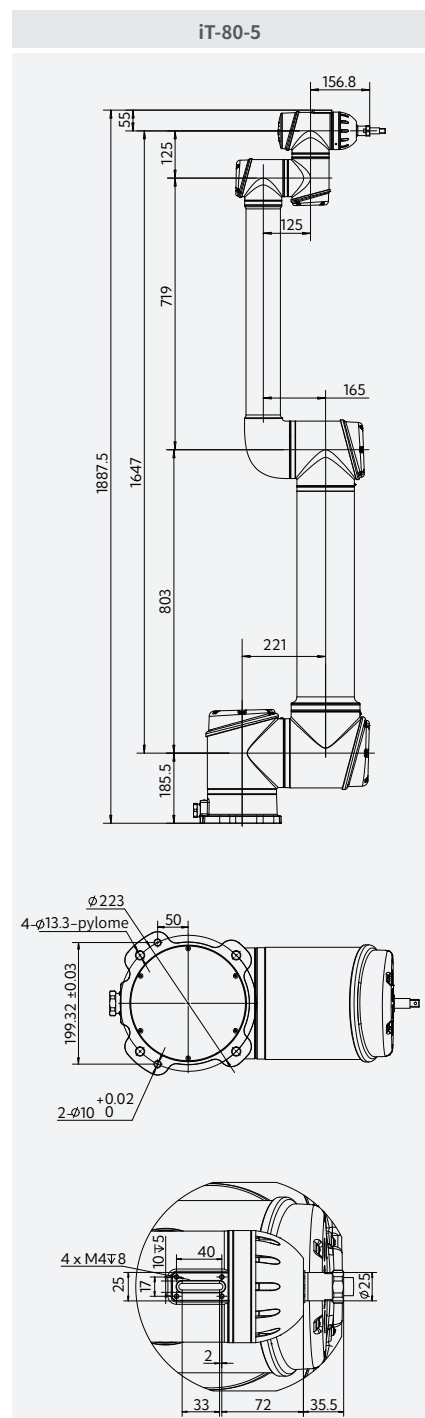
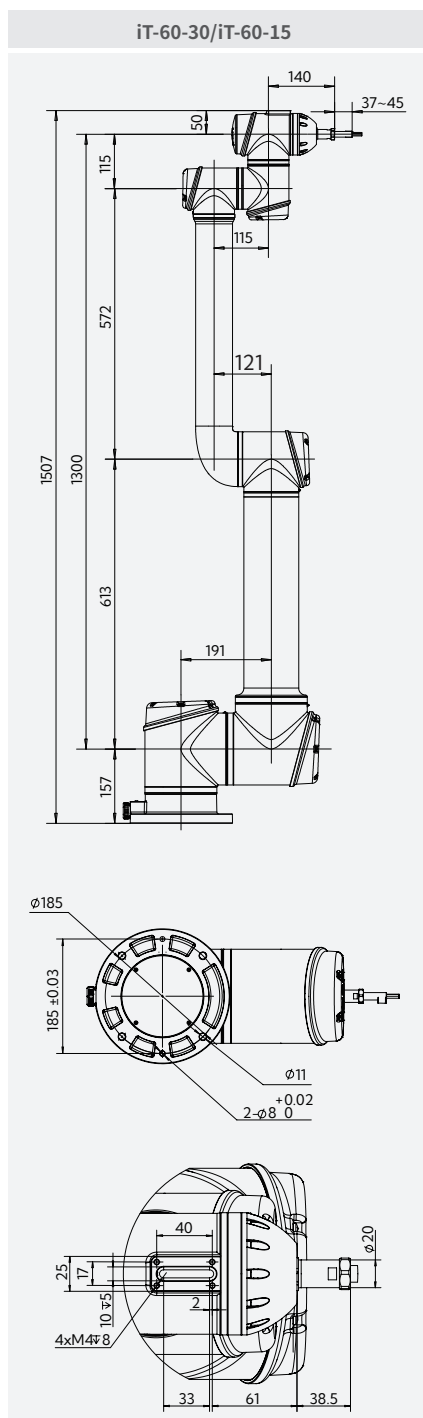
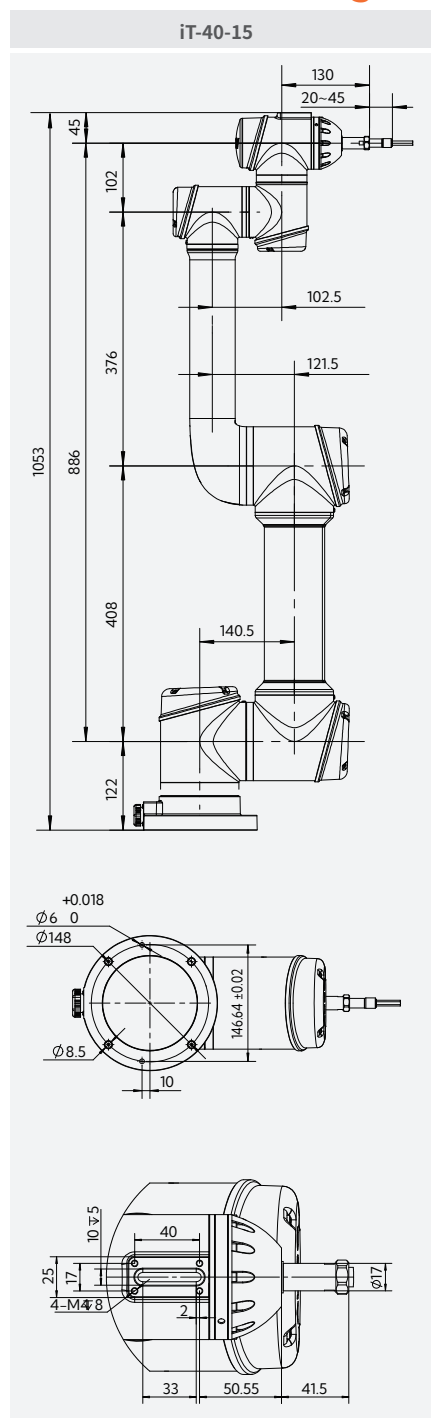
Human-Robot Collaboration in  
Automatic Screwdriving Solution



## TECHNICAL SPECIFICATIONS

| Model                                 | iT-40-15     | iT-60-30                    | iT-80-5      | iT-60-15                    |
|---------------------------------------|--------------|-----------------------------|--------------|-----------------------------|
| Torque range (Nm)                     | 2-15         | 3-30                        | 5-50         | 2-14                        |
| Maximum speed (RPM)                   | 750          | 650                         | 500          | 1300                        |
| Motor power (W)                       | 470          | 690                         | 1000         | 690                         |
| Angle accuracy                        | ±5%          | ±5%                         | ±5%          | ±5%                         |
| Built-in spring extension length (mm) | 25           | 25                          | 25           | 25                          |
| Screw bits/socket size                | Hex (6.35mm) | Hex (6.35mm) / Square W3/8" | Square W1/2" | Hex (6.35mm) / Square W3/8" |
| Reach (mm)                            | 850          | 1300                        | 1600         | 1300                        |
| Weight (Kg)                           | 21.5         | 35                          | 61           | 35                          |
| Repeatability                         | ±0.05        | ±0.05                       | ±0.05        | ±0.05                       |

## Dimensional Drawings



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