



ACCELERON MOBILE COBOTS

Enhancing Flexibility and Efficiency

> Empower your workspace with our cobots that automate nearly any task, freeing you to excel at what truly matters: creating, collaborating, and achieving greatness.

CCELERON

Intelligent-Precise-Versatile

Acceleron Mobile Cobot is a high-end industrial collaborative robot that integrates autonomous driving technology and Industry 4.0 standards. With advanced environment mapping, autonomous path planning, intelligent obstacle avoidance, environment and object recognition, as well as voice control technology, Acceleron Mobile Cobot can easily complete various tasks, including object handling, grasping, assembly, machine tending, etc. This robot is widely used in flexible Smart Manufacturing, Lab Testing, Inspection, Material Sorting and other scenarios, helping enterprises improve production efficiency and achieve intelligent transformation and upgrading.

Precise

±0.02mm

Highest Repeat Positioning Accuracy

Original Factory Integration, Complete Technology Independence

Mobile base and arm, visual sensors are all developed by Li-Gong, using the same controller for control, different from other integrated assemblies and multiple controllers, achieving seamless connection and high integration.









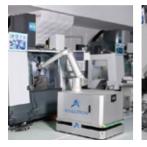


±0.13mm **3D Vision Spatial** Compensation Accuracy





Extensive Application Scenarios







Material Handling

Palletizing

Assembly





Experimental Operation





Data Interconnection with other production equipments Resolve the problem of

data/information isolation

Autonomous Navigation Actively avoiding obstacles and optimize path planning in real time

Easy _____



Hand-base Collaboration Graphical Programming

O-code graphical construction tasks

Users can quickly create and adjust the program and tasks of the robot armand base without writing code, reducing the learning difficulty and improving the efficiency of use.





3 steps to add a new task

- → Create Map
- → Mark Points
- \rightarrow Add to Mission Queue

5 minutes to create a complex job

2 sets of logical judgement + 8 actions

30 minutes to master operation

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Voice Commands Remote Control

Cross-space, remote voice control, understanding natural language, and executing tasks through voice commands.



Safe

Human-Robot collaboration Safe and Controllable

Passed TÜV and SGS safety certification, ensuring the safety and stability of the robot

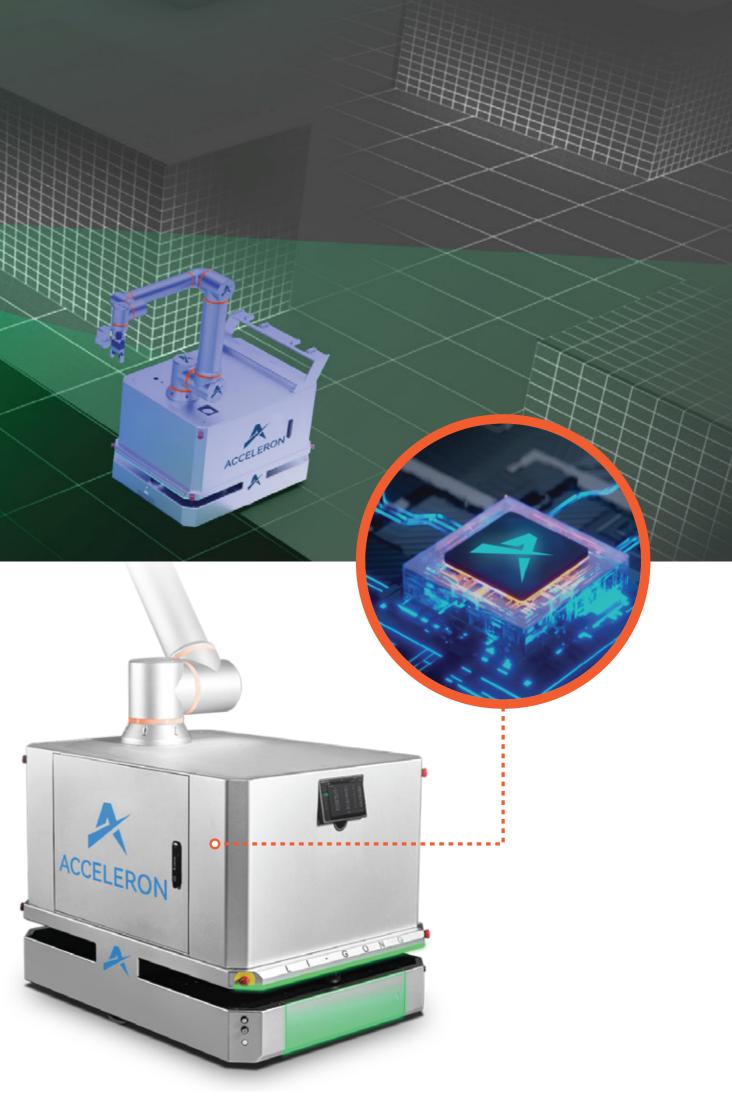
Convenient

Various Interfaces Strong Extensibility

Provide multiple IO interfaces and various communication protocols, making it easy for developers to quickly develop customized applications to meet various operation needs.

Seamless Battery Replacement Continous Endurance

After choosing the battery kit, Acceleron Mobile Cobot can replace the battery without powering off and hot starting, improving the robot's work efficiency





Acceleron Collaborative robot is a kind of collaborative industrial robot which can be widely used in machine tool loading and unloading, assembly, stacking, handling, welding and other applications. It has different load capacities of **5~32kg** and the working radius can reach **1600mm.** It is an ideal tool to help manufacturing users reduce costs and increase efficiency.





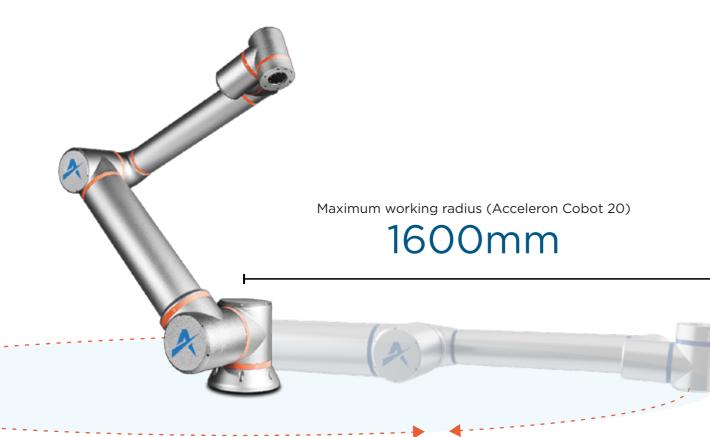






Safe & Reliable

The product has passed EN ISO 13849-12015(PL = d, CAT 3) and EU CE certification, and supports level 10 collision detectionand sensor safety detection without safety protection.



High Protection Regirements _____



Accurate & Stable _____



Easy to Use



Widely Used _____





Stacking

Loading & Unloading





Assembly

Welding

Repeated positioning accuracy can reach **±0.02mm** Can work continuously and with high precision for a long time

0 code programming, full graphical interaction



Polishing



Painting



Experimental Operation



Acceleron Machine Tending Robot is compatible with various types of CNC milling machines with three, four, or five axes, as well as various lathes, EDM machines, and CMM machines.



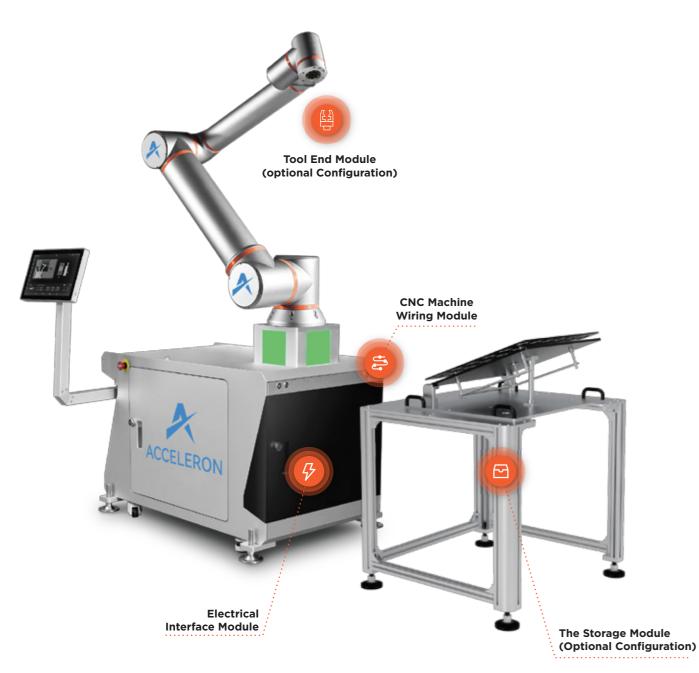
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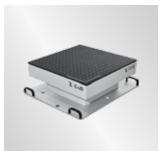
Safe & Reliable

CE certificationSafe human-machine collaboration



Wide Applicability

Modular design; Multiple dockers; Meet the processing needs of different part shapes









Gotron

Zerotron

Chesstron

Lade

Laddertron

Supporting A Wide Range of Applications

Compatible with different brands and types of production equipments



ACCELERON 20 Machine Tending Robot

Complete

Clamping Solutuion

Providing workpiece clamping products and robots' end-of-arm tooling. Non-standard custom clamping design services are also offered to meet special process requirements.



End-of-arm Tooling for Robots



In-machine Tooling and Clamping System

ACCELERON 30 Machine Tending Robot



Real-time Reporting

Real-time collection and aggregation of production data for visualized data management

Easy

XOS Operating System

Graphical interaction for easy entry-level operation; Input product information and start production with one click





Drawing and Process Viewing

Drawings and process files can be check online through the XOS human-machine control system



Ai Capability

Utilizes computer vision, deep learning, various optimization algorithms, and model libraries for workpiece and process recognition and management

Efficient

1min Product Changeover

15mins Redeploy

120mins Training











Fast Deployment

Finish deployment andtraining on-site within 2 days



Quick Response

Remote technical support,efficient operation and maintenance

ENGINEERED For your success





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