



# Why Safety Matters

*Collaborative robots (cobots) are designed to work directly with humans, without the need for heavy guarding or complex barriers. Their built-in safety systems make automation more accessible, flexible, and safe for your workplace.*

- **Force & Power Limiting:** Cobots automatically stop when they detect abnormal force or contact, preventing injury and equipment damage.
- **Collision Detection:** Sensors monitor torque and movement to identify unexpected obstacles and stop motion instantly.
- **Speed & Separation Monitoring:** Adjustable speed limits keep cobots moving slower when humans are nearby and faster when operating alone.
- **Safe Stop Functionality:** Emergency stop and protective stop functions allow for immediate shutdown in case of hazard.
- **Rounded, Lightweight Design:** Smooth edges, low weight, and minimal pinch points reduce risk in close interaction with people.

# Collaborative Robots Safety Features

*Built for safe operation—alone or alongside People*



▶ **Customizable Safety Zones:** Define virtual boundaries and restricted areas to control movement near sensitive equipment or staff.



▶ **Integrated Safety Standards:** Cobots comply with ISO 10218-1 and ISO/TS 15066 safety standards for collaborative operation.



▶ **User-Friendly Programming:** Intuitive interfaces reduce human error and ensure safer setup and operation.



▶ **Enhanced Vision Systems (optional):** Cameras and sensors can be added for workspace monitoring, ensuring people and objects are detected.

## Working Alone or With People

**When Working Alone:** Cobots run at full efficiency, with built-in monitoring to stop for unexpected contact.

**When Working with People:** Cobots automatically adapt speed, force, and motion to ensure safe collaboration.

# 382k+

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