

Cobots for Metals Machining & Fabrication Manufacturers

Precision Automation for Metals Industry Challenges



AUTOMATION
& FACTORY
SOLUTIONS



Addressing Workforce Challenges in Metals Manufacturing

Labor constraints, including skilled worker shortages, high turnover, and workforce gaps, create production bottlenecks that increase costs and slow product delivery.

At GCG Automation & Factory Solutions we provide advanced collaborative robots (cobots) designed to:

- Reduce dependence on repetitive, low-value tasks
- Enable skilled workers to focus on complex operations
- Maintain consistent throughput despite workforce variability
- Minimize fatigue and ergonomic risk, enhancing safety and productivity

Applications Supported

We automate key metals machining and fabrication processes:

- **Machine Tending**
Mills, lathes, and brake press operations
- **Welding**
Consistent, precise welds with reduced operator risk
- **Material Removal**
Grinding, sanding, and other finishing tasks

Schedule a Feasibility Assessment call with one of our Robotics Consultants to:

- ✓ Determine technical feasibility of a process
- ✓ Budgetary cost for the project
- ✓ Business case justification
- ✓ Recommended next steps for your cobot opportunity

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Integrated Robotic Solutions

Delivering faster, smarter production



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Partners

GCG Automation & Factory Solutions partners with industry-leading robotic manufacturers:

FANUC

**UNIVERSAL
ROBOTS**

YASKAWA

The Cobot Ecosystem

GCG is your all-in-one cobot partner, delivering the hardware, software, engineering, and application expertise you need to build high-performance systems that maximize throughput and accelerate ROI.



The Robot

Access the world's leading robotic brands, including FANUC, UR, & Yaskawa



Staging

Efficient staging of materials to minimize downtime



Accessories

Dress packs, risers/bases, PLCs & electrical controls for a complete robotic system



End of Arm Tooling (EoAT)

Customization for specific tasks



Egress

Optimized for downstream handling



Safety

Implementing safety measures beyond the robot's design



Preventative Maintenance

Regular maintenance to ensure longevity



Programming

User-friendly programming interfaces



Electrical Interface

Compatibility with existing systems



Vision Hardware & Programming

Find and guide parts reliably