

FastLOAD® CR2000

Standard Collaborative Machine Tool Cell



IMPROVE PRODUCTIVITY, INCREASE CAPACITY



How does a collaborative robot work with me?

Acieta's FastLOAD CR2000 joins your team, working side by side with the operator. Our unique model leverages a FANUC collaborative robot which does not require fencing, potentially reducing the floor space needs by nearly 80%. The operator works close, loading and unloading parts while the robot works continuously without stopping. Force sensors will stop the robot when pressure is applied, ensuring a safer application for the operator.

Our FastLOAD CR2000 cells were designed to meet the most common machine tooling needs, and are a fast way to address labor challenges and increase capacity for shops. FastLOAD provides a cost-effective introduction to Acieta's premium quality hardware and software.

*FastLOAD CR2000 - standard collaborative machine tool cells
designed as a fast solution to solve labor and capacity challenges.*



www.acieta.com/cr2000

ADDRESS LABOR AND CAPACITY CHALLENGES WITH AUTOMATION



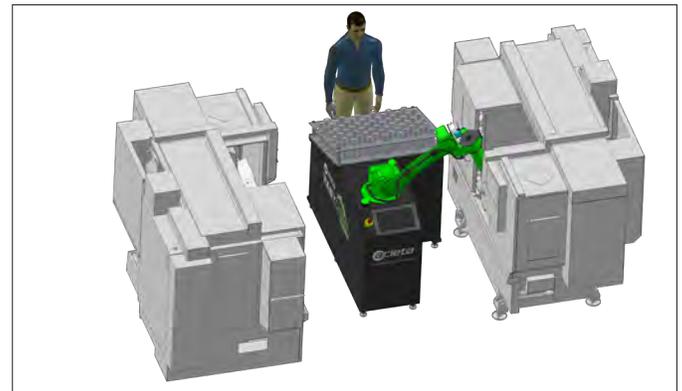
Need to improve productivity and increase capacity, *fast*?

Manufacturers who are positioning for growth are planning for automation. The challenge with adopting complex, custom solutions lies in the time and capital investment for custom integrations.

If you're faced with capacity challenges, labor shortages, or quality variability, the standard cells from Acieta can help you address key business challenges, fast, with a collaborative machine loading cell. Our FastLOAD CR2000 is an excellent option for companies looking to maximize efficiency with automation.



The operator's screen is designed to be intuitive and easy to use.



With high accuracy and repeatability, FastLOAD CR2000 can tend two machines simultaneously.

IS THE FASTLOAD COLLABORATIVE SOLUTION YOUR PERFECT FIT?

- Is your capacity limited because of labor?
- Do you have unused equipment on your floor because of labor shortages?
- Do you need to maximize floor space usage?
- Do you have parts smaller than 144 mm (5.67 in) diameter or width?
- Do you have two machines you'd like to run together?
- Could you use an inbound/outbound system for an existing cell?
- Do you need to load/unload saws, lathes, and mills?
- Would you like to increase utilization on a machine with a 30+ second cycle time?



If you said yes to any of these questions, a FastLOAD CR2000 could be your next best hire!

NEED TO IMPROVE PRODUCTIVITY AND INCREASE CAPACITY, FAST?



YOU CAN COUNT ON A ROBOT

Reliable output, every time. Consider a FastLOAD CR2000 system your next best hire. Robots never take a sick day and deliver consistent quality, every time.



SOLVE LABOR SHORTAGES

If your machine shop has unused equipment due to labor challenges, a FastLOAD CR2000 system can help you leverage your existing equipment.



SAVE FLOOR SPACE WITH A SMALLER FOOTPRINT

Takes up nearly 80% less floor space than a traditional robotic system with the ability to load two machines.



FAST DELIVERY

As a standard cobot, Acieta will deliver the FastLOAD CR2000 to you in as quickly as one week, so you can ramp-up fast and immediately increase capacity.



LOWER COSTS, CLEAR ROI

Automation increases capacity and lowers cost per part, so most shops see an ROI in 6 to 12 months*. (*Average ROI utilizing 2 shifts)



COMPETITIVE ADVANTAGE

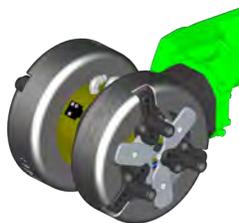
Automation can help you better compete when you increase production, lower costs, and manufacture quality products more consistently.

Flexible Financing Options for Robots from Acieta LEASE | FINANCE | PURCHASE



FASTLOAD FEATURES

- One piece weldment offers small footprint and easy installation.
- Intuitive touchscreen interface for quick part setup - *only seven steps to set up each part!*
- Can tend two machines.
- Operator can load/unload parts while robot is working.
- Grid plate is adjustable to accommodate different part heights.
- Additional grids plates available to accommodate various part diameters up to 6".
- RIA safety compliant when integrated by Acieta.
- Pre-engineered for faster delivery.
- Adjustable gripper fingers.
- Air blow off standard on both grippers.
- Spring pusher plate standard on three finger gripper.



EFFICIENT MANUFACTURING MADE SIMPLE WITH EFFORTLESS HMI

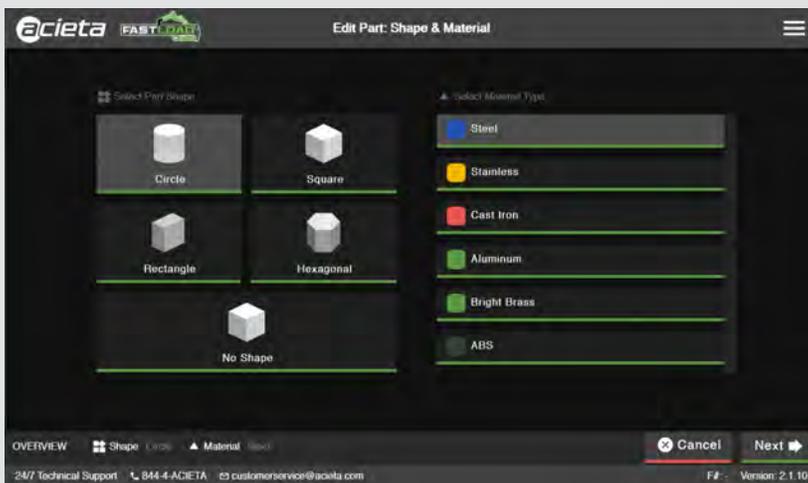


Are you tired of struggling with outdated technology and labor shortages in your manufacturing processes?

Look no further than the FastLOAD CR2000 collaborative cell, equipped with an intuitive Human Machine Interface (HMI) that will transform the way you operate. Say goodbye to wasted time and resources and hello to increased efficiency, productivity, and a happier workforce.



Intuitive HMI allows an operator to quickly teach a new part or retrieve an existing part.



Discover a wide array of standard shape and material options, with the added flexibility to incorporate your specific materials.

Streamline efficiency and productivity with a touch screen HMI.

Ease of Use: A user-friendly HMI makes it easy for operators to interact with and control the robot, reducing the learning curve and increasing productivity.

Safety: A well-designed HMI can help prevent operator errors and improve safety by providing clear and intuitive controls and warning messages.

Flexibility: An HMI that is easy to use allows for quick and easy adjustments to be made to the robot's behavior or programming, making the robot more versatile and adaptable to different tasks.

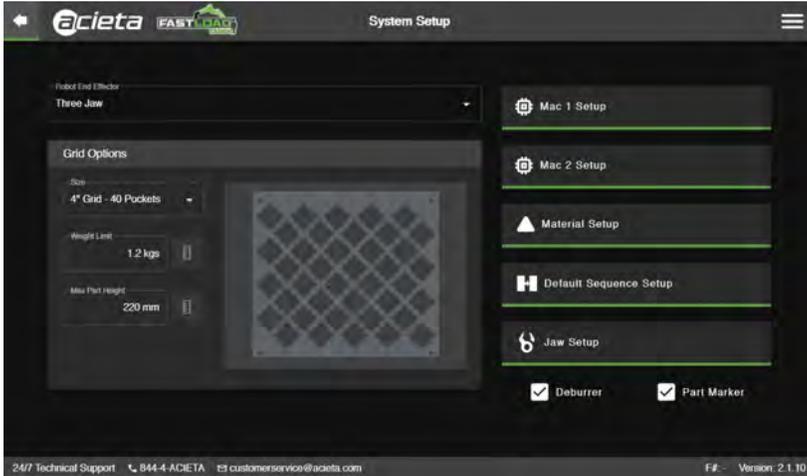
Monitoring and Maintenance: A user-friendly HMI can also facilitate monitoring and maintenance of the robot by providing access to diagnostic information and status updates.

Better Human-Robot Interaction: A touch screen interface can improve the overall human-robot interaction by providing clear and natural communication channels, thus reducing errors and increasing efficiency.

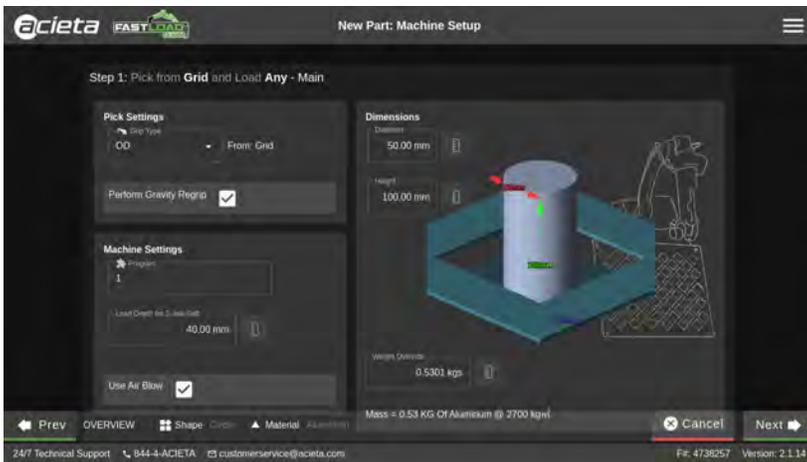
REDEFINE EFFICIENCY AND PRODUCTIVITY TODAY WITH THE FASTLOAD CR2000!

www.acieta.com/cr2000

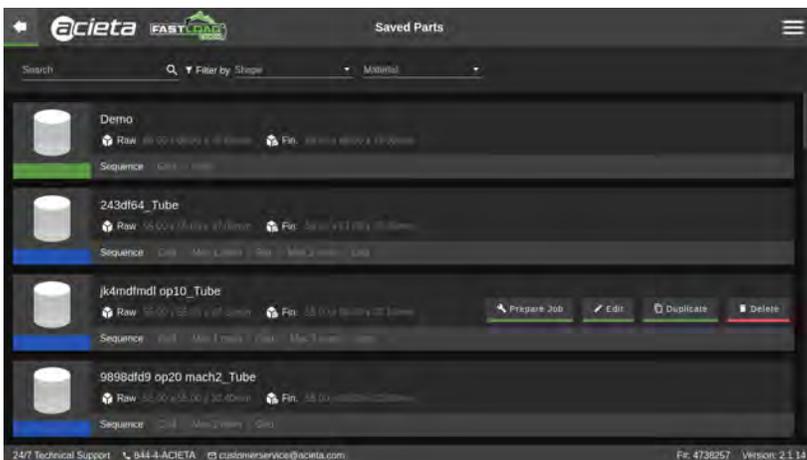
SIMPLIFY COMPLEX TASKS WITH WELL-DESIGNED HMI



Setup screens allow for quick changeover between different part sizes.



Simply enter part dimensions to quickly teach a new part.



Taught parts are saved and can be retrieved quickly. Parts can be filtered by shape and material.

Unlock new levels of performance and profitability!

Transform your workflow and simplify your operations with the dynamic duo of a well-designed HMI on the FastLOAD CR2000.

1

Add new parts/quick change over within minutes.

2

HMI interface allows for high mix/low volume part creation on the fly.

3

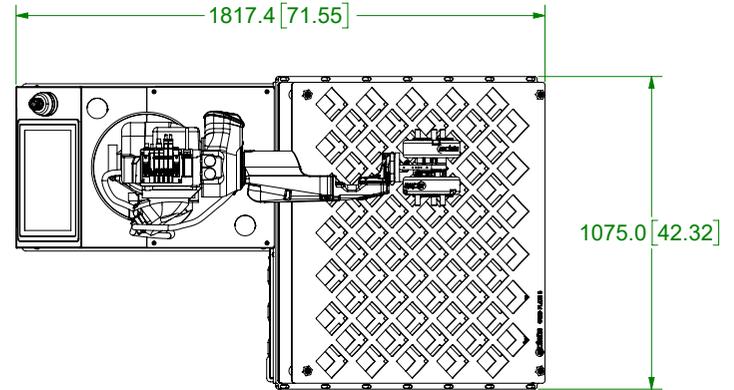
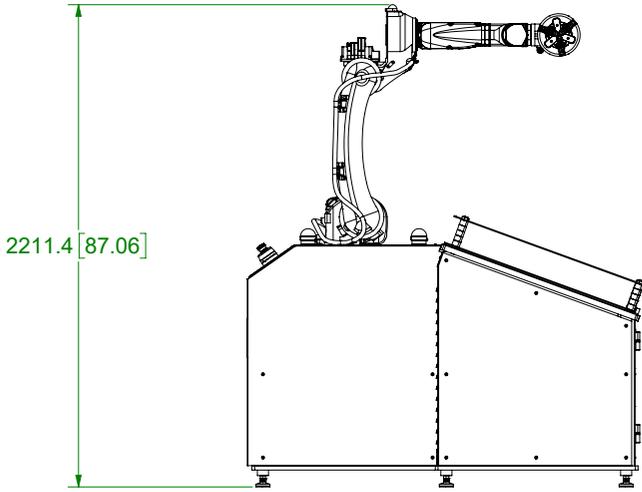
No programmer needed to add new parts. (No teach pendant required.)

The FastLOAD CR2000 provides a comprehensive solution for simplifying complex tasks!

www.acieta.com/cr2000



CELL FOOTPRINT AND WORK ENVELOPE



FASTLOAD CR2000 SPECIFICATIONS	
Overall Length	1817.4 mm (71.55 in)
Overall Width	1075.0 mm (42.32 in)
System Weight	1100 kg (2425 lbs)
Robot Model	FANUC CR-15iA collaborative 6 axis robot
Robot Reach	1441 mm (56.73 in)
Min Part Height	20 mm (.79 in)
Max Part Height	250 mm (9.84 in)
Min Part Diameter or Width	16 mm (0.63 in)
Max Part Diameter or Width	144 mm (5.67 in)
Gripper Options	Two finger gripper for square parts or three finger gripper for round parts
Grid Plate Options	See Grid Plate Options chart

FASTLOAD CR2000 GRID PLATE OPTIONS	
Max Part Size (dia or width)	Capacity (parts)
1 in (25.4 mm)	234
2 in (50.8 mm)	102
3 in (76.2 mm)	65
4 in (101.6 mm)	40
5 in (127 mm)	28
6 in (152.4 mm)*	21
*Gripper max capacity is 5.67 in (144 mm)	

MAXIMIZE YOUR OUTPUT AND INCREASE PRODUCTION WITH FASTLOAD BY ACIETA.

Our collaborative robotic machine loading cells are a cost-effective introduction to automation, designed as a fast solution to solve labor and capacity challenges.

Acieta provides a wide range of robotically automated solutions and services customized for the unique needs of manufacturing applications, including machine tending, inbound and outbound loading. Connect with us today to start growing your business, fast.

Ready to improve productivity and efficiency in your facility?
Contact us today.

844-4-ACIETA | info@acieta.com

