

HURCO®

PRACTICAL JOB SHOP AUTOMATION

ProCobots™

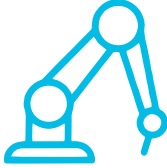
CNC Automation Done Right



www.ProCobots.com



PRACTICAL JOB SHOP AUTOMATION



HIGH-MIX/LOW-VOLUME AFFORDABLE AUTOMATION

Hurco has eliminated all of the obstacles associated with traditional automation.

With Hurco's job shop automation, high-mix manufacturing can have all the benefits of advanced robotics without the hassle (and cost) associated with traditional automation. The collaborative robots (cobots) from ProCobots, combined with Hurco technology, ensure the cobots are easy to set up and easy to program.

Bonus: No shielded work cells needed.



EXPAND YOUR PEOPLE POWER

Cobots let you expand your people power so one operator can run three or four machines at once. With ProCobots, your machinists are free to utilize their skills and expertise to optimize your manufacturing operations while the cobots do the monotonous and low-skill tasks.



MAXIMIZE YOUR PROFITS

Reduce production downtime and increase quality with precision and high repeatability. Cobots can work 24 hours a day and seven days a week—even when you're not there!

Why Automate? Why Now? Job Shop Automation & You.

Job shop owners consistently rank the ability to find qualified machinists as the number one problem they face. Not only are twice as many people retiring each year compared to 20 years ago, our industry has struggled with attracting younger generations to pursue careers in manufacturing.

While high production manufacturing businesses solved their labor shortage issue with automation decades ago, automation for the high-mix manufacturing environment wasn't a practical solution due to its inflexibility.

Practical Automation for High-Mix Manufacturing Is Here.

Hurco focused on high-mix manufacturing by partnering with ProCobots to make job shop automation practical. ProCobots automation solutions are flexible, easy to program, and easy to move to your other Hurco machines for unmatched flexibility.

Hurco and ProCobots have created practical job shop automation products that are affordable, practical, flexible, compact, and eliminate the need to call an expensive integrator every time you need changes or move the system to different machines. With compact footprints that don't require intrusive safety fencing, the ProCobots collaborative robots can work safely with your machinists instead of replacing them.

Your Employees & ProCobots Job Shop Automation.

Additionally, the Hurco Automation Job Manager feature that's in the WinMax® control combined with ProCobots products will maximize the contribution of your machinists. They won't need to waste time on repetitive and redundant tasks. Instead, cobots will do the monotonous and low-skill tasks without taking breaks so your machinists can maximize the high-value skills they contribute to each job.

**COBOTS WORK FOR YOUR WORKERS AND
LET THEM FOCUS ON WHAT'S IMPORTANT!**

PRODUCT LINE-UP



ER5

- Ideal for smaller CNC machines.
- Built for simple machine tending.
- Docking station for repeatable locating.
- Different types of part trays available as options.



ProFeeder Light

- Good for small series machine tending.
- Manual changeable part tray.
- Heavy-duty leveling casters can be mounted.
- Easy to move to other CNC machines with a pallet truck.



ProFeeder

- Easy setup for quick changeovers.
- Easy to move to other CNC machines with a pallet truck.
- Comes with two carts for seamless batch production.
- Pneumatic locking system precisely positions the part cart and part tray when exchanged.



ProFeeder X

- The ProFeeder X robot cell is a compact, high capacity system.
- You can configure the ProFeeder X with 2, 5, or 10 drawers to match your production capacity and part sizes.
- Three-position drawers let you load and unload parts simultaneously while the robot is running.



ProFeeder Q

- The ProFeeder Q robot cell consists of one docking station and one mover with four part tray drawers.
- The four-drawer part cart is suitable for larger production series.
- Additional carts available.



ProFeeder Compact

- Small footprint with six drawers for high capacity in tight spaces.
- Three-position drawers let you load and unload parts simultaneously while the robot is running.
- Separate robot pedestal provides flexible cell layout options.

Call us today! (800) 385-8021

www.ProCobots.com

HURCO®

PRACTICAL JOB SHOP AUTOMATION



If you can program a Hurco, you can program a ProCobot.

Why Hurco? Hurco was founded on the principle to develop practical technology for high-mix manufacturing and to deliver it in ways that our customers can easily improve their productivity.

We know the struggles shops have experienced with traditional automation. That's why we formed a partnership with ProCobots to create a completely integrated job shop automation system that is portable, reliable, easy to set up, and easy to program.

The Automation Job Manager software feature on the Hurco control was created specifically for you. Straightforward screens with the information you need to make automation work for you!

Hurco Control Feature | Automation Job Manager EASY PROGRAMMING PUTS YOU IN CONTROL



AUTOMATION JOB MANAGER

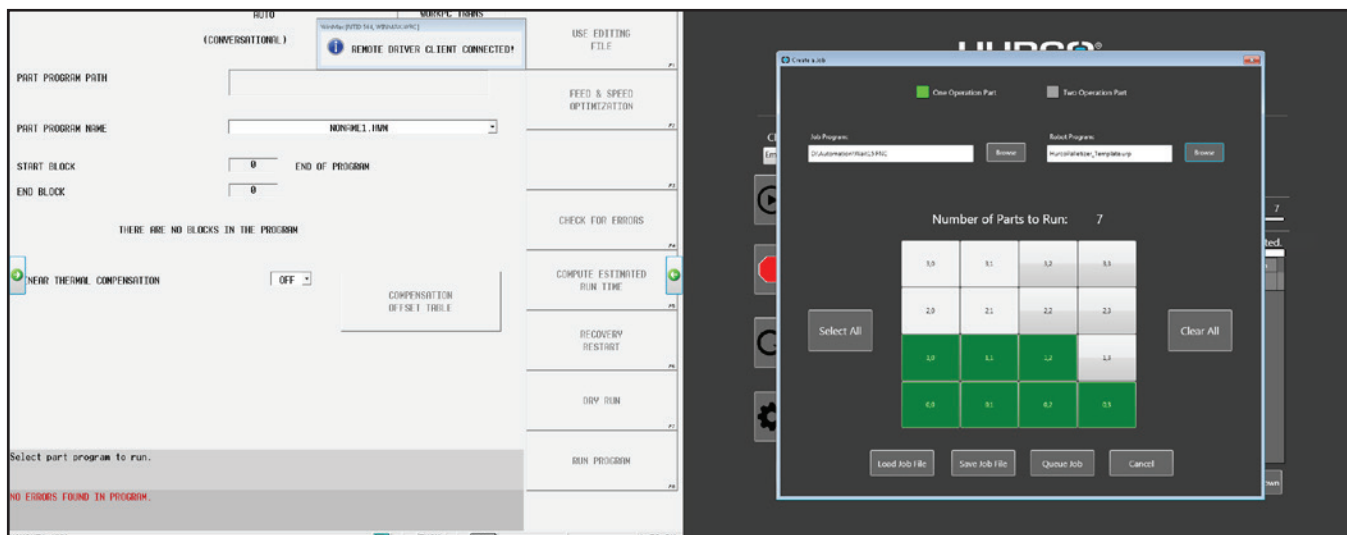
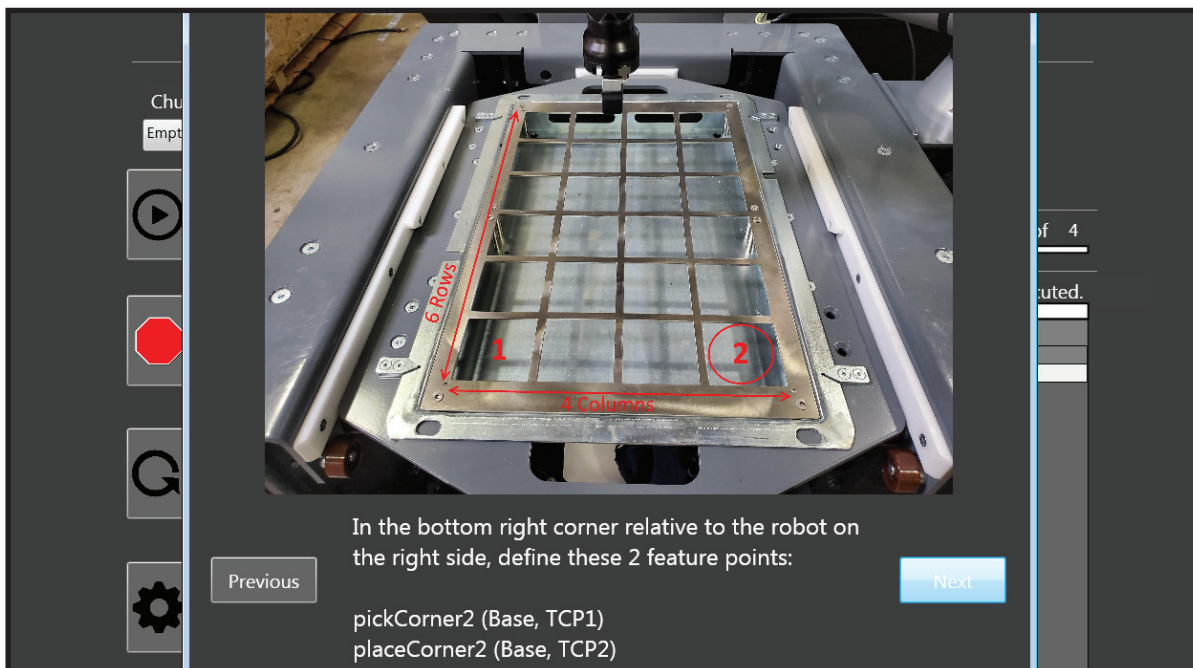
Runs on the MAX 5 Control or a separate PC

- » Easy Job Setup and Robot-CNC Graphical User Interface.
- » Job and queue progress bars.
- » Run multiple jobs sequentially.
- » Setup Wizard for part trays.
- » Load and save job setups.



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PRACTICAL JOB SHOP AUTOMATION



Hurco Automation Job Manager | The Setup Wizard

The Setup Wizard guides you through programming new jobs and custom part trays by teaching robot positions – simply move the robot by hand and store the position.

- » Easily prioritize, edit, and remove jobs.
- » Quickly load and save your job setups.
- » Select the robot exchange and CNC part programs.
- » Simply click on the grid to set the stock material locations.
- » Add the job to the production queue.

PRACTICAL JOB SHOP AUTOMATION

Hurco Job Shop Automation Package List of Package Contents

Everything You Need for High-Mix Automation

The Hardware

- » 6-Axis collaborative robot.
- » Safely stops on contact.
- » Easy to program – move the robot to teach and store positions.
- » Robot stand, cart, and, drawer systems available to meet your production needs.
- » Collaborative front-load auto door systems – stops and opens when door is obstructed.
- » Force Sensor – gives the robot the sense of touch just like the human hand.

The Software

» Hurco Automation Job Manager

Runs on the WinMax® control.

Industry 4.0 network connection to WinMax® and robot controls.

Integration and Setup

- » Templates for robot loading and CNC programs.
- » Robot loading program – just teach the pick-up and vise or chuck positions.
- » CNC loading program.

Backed by ProCobots and Hurco

- » Support, installation, service, and training. One-2-One Service/Support by Hurco.

PRACTICAL JOB SHOP AUTOMATION

AFFORDABLE

Unlike traditional robots, the cobots from ProCobots are less expensive than you'd think.

FLEXIBLE

Designed for high-mix manufacturing and continuous changeover.

PORTABLE

Move from one machine to another.

EASY to PROGRAM

If you can program your CNC, you can program the Hurco ProCobots Automation system. Easy to train new employees.

QUICK DEPLOYMENT

Unlike traditional automation, the integration process for Hurco Job Shop Automation is already done.

PEACE of MIND

Peace of Mind: The Practical Job Shop Automation products and technologies are backed by Hurco. You won't need to figure out who to call. We're here to make automation work for you! Brought to you by Hurco and ProCobots.

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For over 50 years, Hurco has been empowering machinists of every generation with cutting-edge control technology that's easy to learn and easy to use. We've continued that tradition with Practical Job Shop Automation. While we have over 65 models of CNC machines, we've highlighted the most common models used for Practical Job Shop Automation are highlighted below.

3-AXIS VERTICAL



MODEL	X,Y,Z Axis Travel
VM10i	26 x 16 x 20 in 660 x 406 x 508 mm
VM20i	40 x 20 x 20 in 1016 x 508 x 508 mm
VM30i	50 x 20 x 20 in 1270 x 508 x 508 mm
VMX24i	24 x 20 x 24 in 610 x 508 x 610 mm
VMX24Di	24 x 20 x 24 in 610 x 508 x 610 mm
VMX30i	30 x 20 x 24 in 762 x 508 x 610 mm
VMX30Di	30 x 20 x 24 in 762 x 508 x 610 mm
VMX42i	42 x 24 x 24 in 1067 x 610 x 610 mm
VMX42Di	42 x 24 x 24 in 1067 x 610 x 610 mm

5-AXIS VERTICAL



MODEL	X,Y,Z Axis Travel
VM10Ui	21 x 16 x 19 in 533 x 406 x 483 mm
VMX30Ui	30 x 20 x 20.5 in 762 x 508 x 520 mm
VMX42Ui	42 x 24 x 20.5 in 1067 x 610 x 520 mm
VMX42SRTi	42 x 24 x 24 in 1067 x 610 x 610 mm

MODEL	X,Y,Z Axis Travel
BX40i	40.2 x 27.6 x 19.7 in 1020 x 700 x 500 mm
BX40Ui	37.4 x 21.6 x 19.7 in 950 x 550 x 500 mm

TURNING CENTERS



MODEL	XZ W Y Axis Travel
TM6i	7 x 14 in 178 x 356 mm
TM8i	8 x 20 in 203 x 508 mm
TM10i	9.8 x 29.5 in 250 x 750 mm
TMM8i	7.8 x 20 in 198 x 508 mm
TMM10i	9.8 x 29.5 in 250 x 750 mm

ProCobots Products



ER5



ProFeeder X



ProFeeder Light



ProFeeder Q



ProFeeder



ProFeeder Compact

PROCOBOTS SPECIFICATIONS

MODEL	DIMENSIONS W x H x D	WEIGHT WITHOUT ROBOT
ER5	21.1 x 39.4 x 27.1 in 536 x 1,000 x 688 mm	100 lbs 45 kg
ProFeeder Light	44.3 x 36.7 x 35.4 in 1,125 x 932 x 900 mm	550 lbs 250 kg
ProFeeder	44.3 x 36.7 x 35.4 in 1,125 x 932 x 900 mm	550 lbs 250 kg
ProFeeder X	38.2 x 39.7 x 35 in 833 x 1,008 x 889 mm	1,045 lbs 474 kg
ProFeeder Q	48.9 x 46.4 x 74.1 in 1,242 x 1,179 x 1,882 mm	1,056 lbs 480 kg
ProFeeder Compact	30.7 x 42.6 x 24 in 780 x 1,082 x 610 mm	433 lbs 196 kg

ROBOT	REACH	PAYLOAD	WEIGHT	INPUT VOLTAGE (VAC)
UR5e	33.5 in 851 mm	11 lbs 5kg	45.3 lbs 21 kg	120-240
UR10e	51.2 in 1,300 mm	22 lbs 10 kg	73.7 lbs 33 kg	120-240
UR16e	35.4 in 899 mm	35.2 lbs 16 kg	72.8 lbs 33 kg	120-240

ER5 SYSTEM VALUE PACKAGE \$49,900

- UR5e 6-axis robot
 - Hurco Automation Job Manager software
 - Force Copilot – gives sense of touch to the robot for reliable part loading
 - Dual pneumatic part grippers (3-jaw or 2-jaw your choice) or single adaptive servo gripper
 - Installation and training
- Additional packages are available. Request a quote today!*



PRACTICAL JOB SHOP AUTOMATION

» Affordable

» Starting at \$49,900 (see details inside).

» Productive

» Works alongside your machinists to help with the low-skill, monotonous tasks.

» Reliable

» Sold and backed by ProCobots and Hurco.
» Fully integrated to Hurco CNCs to run right out of the box.

» Easy to use

» Easier to set up than programming and running a CNC machine.
» Conversational setup and programming – no special programming language or knowledge needed.
» Program robot simply by teaching it positions.
» Easy job setups with the Hurco Automation Job Manager.

» Safe

» Collaborative robot and auto door system – stops on contact or when obstructed.
» Open work environment – designed to work with you, no need for extra safety fencing.

» Scheduling

» Promotes scheduling continuity: never misses a shift, doesn't need to miss work for illness, breaks, or holidays.

» Flexible

» Designed to be easily moved to other Hurco CNC machines in your shop.
» Designed to meet your needs today and in the future.

Learn more at [HURCO.com/Automation](https://www.hurco.com/Automation)

MACHINING CENTERS / TURNING CENTERS / 5-AXIS / DOUBLE COLUMN / BORING MILLS / AUTOMATION

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