



Automation Solutions

Robot and pallet-loading automation solutions

MAX 5
From print to
part to profit



procobots®



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!



Hurco Control Feature | Automation Job Manager

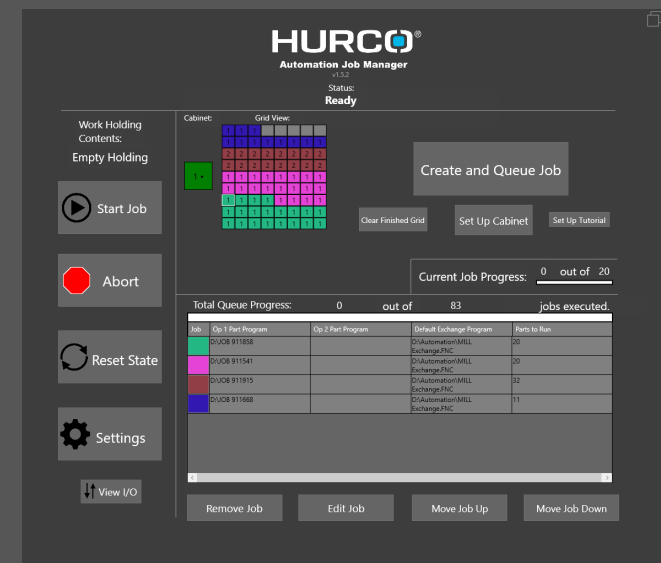
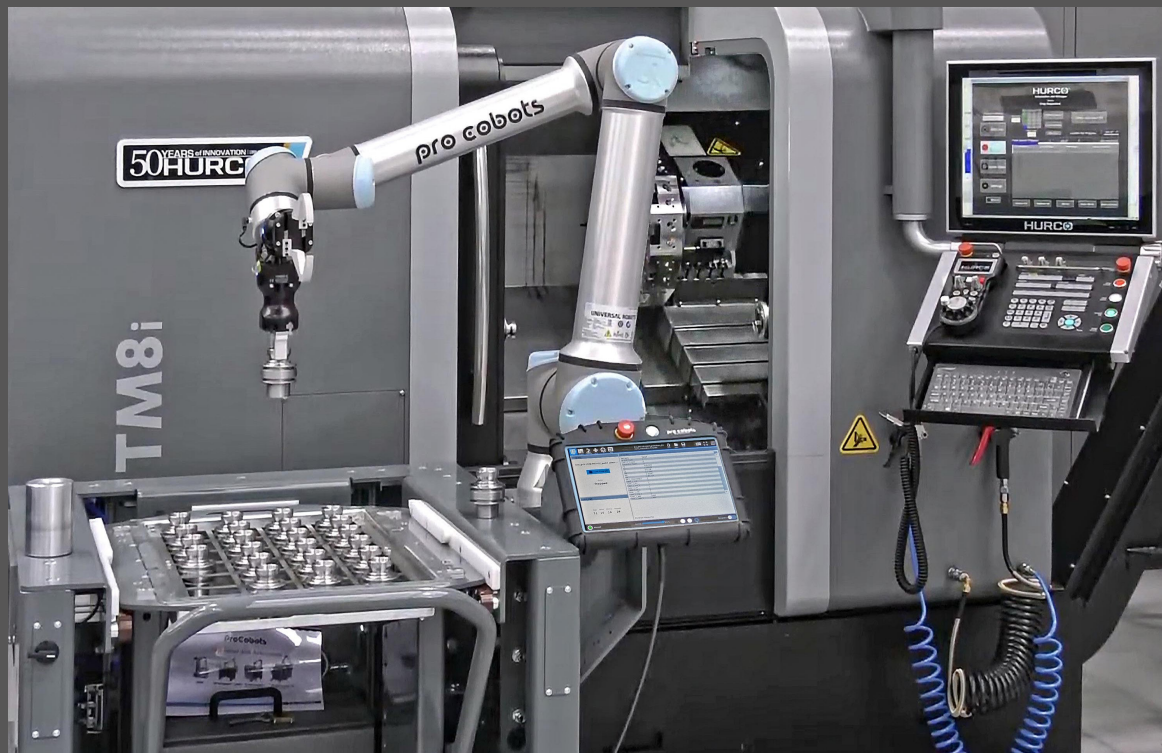
EASY PROGRAMMING PUTS YOU IN CONTROL

Practical Job Shop Automation

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.



AUTOMATION JOB MANAGER

Runs on the MAX 5 Control or a separate PC

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



Product Line-Up

ProFeeder X

- The ProFeeder X robot cell is a compact, high capacity system.
- You can configure the ProFeeder X with 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.



UR Model:	UR15
Max payload:	15kg
Max reach:	1,300mm
Dimensions (W x H x D):	890 x 969 x 1008 mm
Max part height:	160/80mm
Max. load per tray:	Approx 90kg

ProFeeder Tray

- Good for small series machine tending.
- Manual changeable part tray.
- Heavy-duty leveling casters can be mounted.
- Easy to move to other CNC machines
- Dimensions (W x H x D):
1,125 x 932 x 900mm
- Weight (Without Robot):
250kg

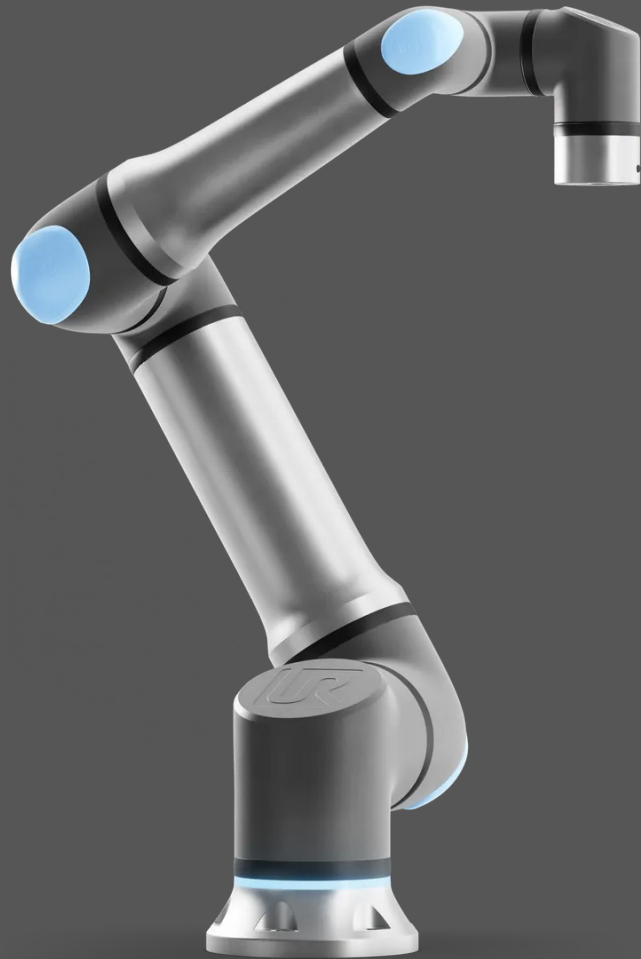


UR Model:	UR15
Max payload:	15kg
Max reach:	1,300mm
Dimensions (W x H x D):	1165 x 800 x 900mm
Max part height:	160mm
Max. load per tray:	Approx 300kg

UR20 and UR30 Cobots

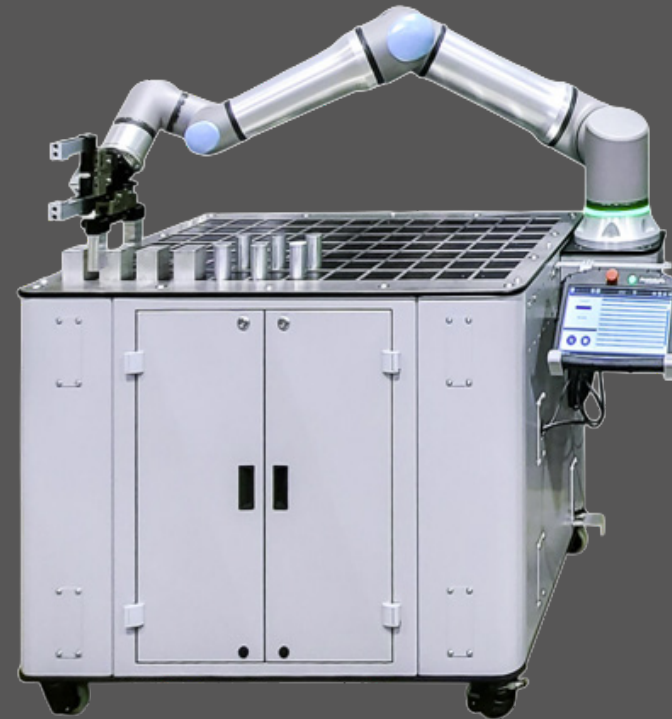
- Greater load and reach options compared to the standard UR15.

UR Model	Max Payload	Max Reach
UR20	20Kg	1,750mm
UR30	30Kg	1,300mm



ProFeeder EasyDesk Tray

- Small footprint featuring a spacious stainless-steel tabletop for parts accommodation.
- Manual changeable part tray.
- Heavy-duty leveling casters can be mounted.
- Easy to move to other CNC machines



UR Model:	UR 20 / UR30
Max payload:	20kg / 30kg
Max reach:	1,750 / 1,300mm
Dimensions (W x H x D):	1,050 x 1,420 x 920mm
Max part height:	160mm
Max. load per tray:	Approx 300kg



Practical Job Shop Automation

Hurco Job Shop Automation Package

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.

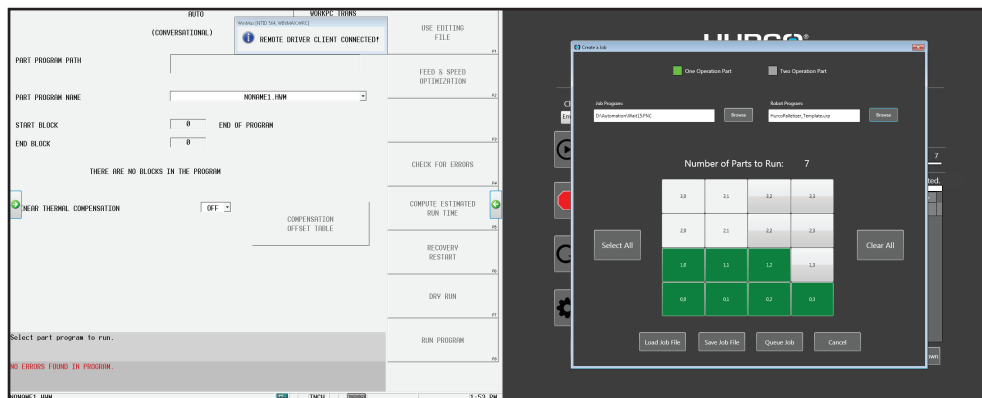
Integration and Setup

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

Hurco Automation Job Manager The Setup Wizard

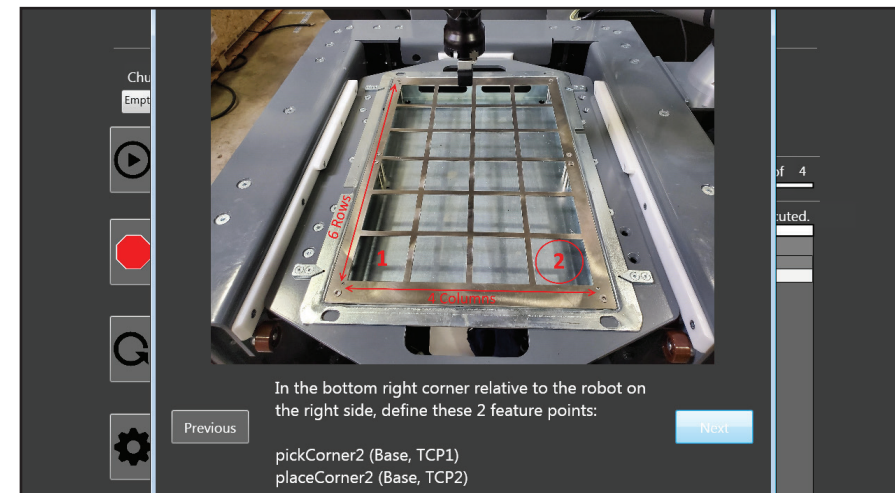
The Setup Wizard guides you through programming new jobs and custom part trays by teaching robot positions – simply move the robot by hand and store the position.

- 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.



Backed by ProCobots and Hurco

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



Multi-CNC Robot Readiness Package

Auto Door

- Standardised telescopic mount for a variety of Hurco machines.
- Vertical-lift side-door also available if side-loading is preferred.



Quick Connect Plug & Play

- Ethernet
- Door I/O
- Power
- Air



- **Affordable**
 - Low cost entry-level packages for first-time automation users.
- **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.

proco**bots**®

 **Kawasaki**
Kawasaki Robotics



**PC25 System RS025N
(25kg) robot
Pallet Loading Shelf System**

Included:

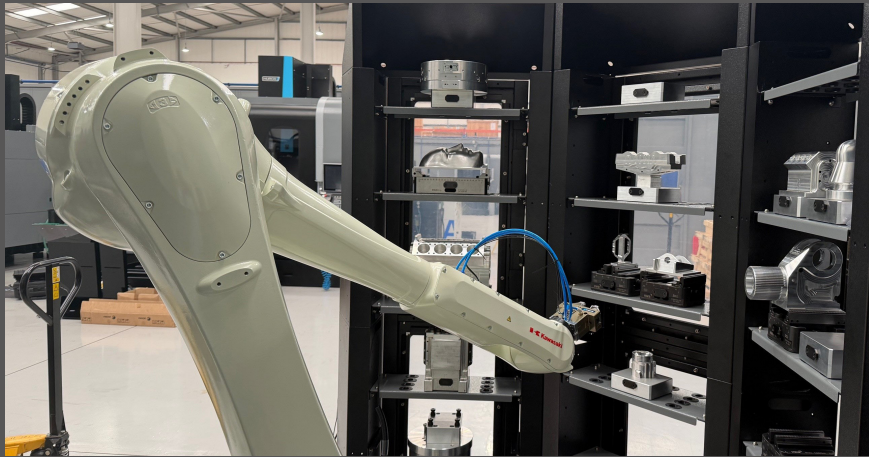
- Robot pedestal & cabinet assembly
- Robot- Gripper with fingers
- 6 shelves per cabinet,
- 2 stations each shelf
- Cleats for pallets/fixtures
- Safety scanner
- Safety mat
- Interlocked access doors
- All wiring and pneumatics integrated
- Hurco Job Manager Software
- Auto door and utility box
- 1,2 or 3 Cabinet option
- 12 stations per cabinet

Extra

- Pallets, fixtures, vices

Ultimate Flexibility

Can exchange fixtures, vices or pallets



Load and unload while running jobs / Load a variety of jobs and run lights-out

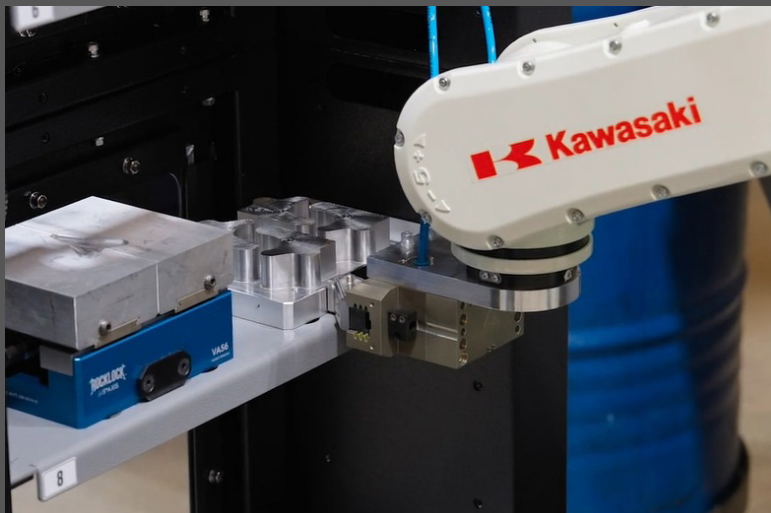
Job Manager

One-minute job programming



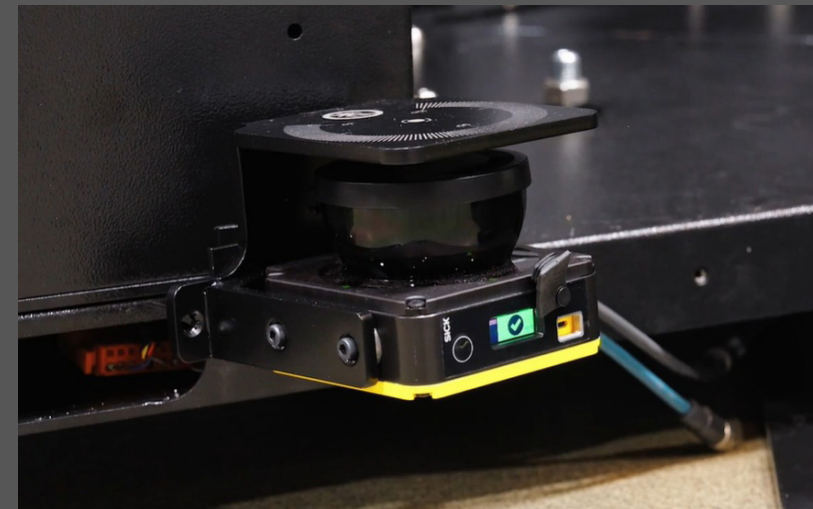
Standard Gripper

Grabs a cleat attached to the vice or pallet



Built-in Safety

Safety scanners included



EROWA[®]
system solutions



Robot Compact 80

Pallet system handling

Allows for a greater variety of part sizes and shapes
Can feed 2 machines



Technical Details:

Transfer weight	80 kg
Swivel arm	Yes
Gripper change	Yes
Weight per level	up to 180 kg
Weight per rack magazine	1,000 kg
Two-machine operation	Yes

Transfer Axis:

X-axis travel	1,380 mm
Z-axis travel	1,680 mm
Swivel range	350°
System size LxWxH mm	2,014x1,069x2,612

Magazines:

Two integrated magazines	max. 12 levels per magazine
Third magazine (option)	max. 12 levels
Loading station UPC/PC210 (option)	Yes
Pass-through magazine for ITS Compact/50/72 hanging	Yes

Electronics:

Automatic pallet recognition	Yes / EWIS™
Process control system interface	Yes

Robot Easy

Pallet system handling

Suits larger pallets for VMX42SRTi and VMX60SRTi models



Benefits of the Erowa System

25 years of automation experience

Successful installations to Hurco machines worldwide

Mono-block design

Multiple model options available

Exceptional reliability

Flexible machine configuration

Option to feed 2 machines

Extension options

- Automatic gripper change depending on pallet size
- Automatic pallet identification via chip
- Sliding unit for machine access
- Sliding doors to magazines
- Airdock for direct air supply to table chuck

Technical Details:

Transfer weight	250Kg
Transfer path (option)	1600mm (2500mm)
System size L x W x H	1700 x 1700 (2100) x 1800mm
Magazine Positions	4-60 depending on pallet size
Pallets Handled	MTS UPC ITS etc.
Auto pallet recognition	Yes / EWIS
Process control system interface	Yes

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MACHINING CENTRES



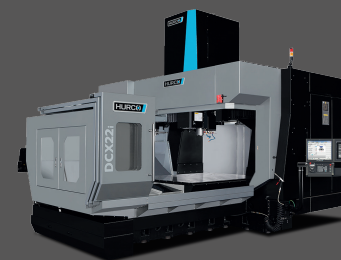
TURNING CENTRES



5 AXIS



DOUBLE COLUMN



SUPERIOR CONTROLS

