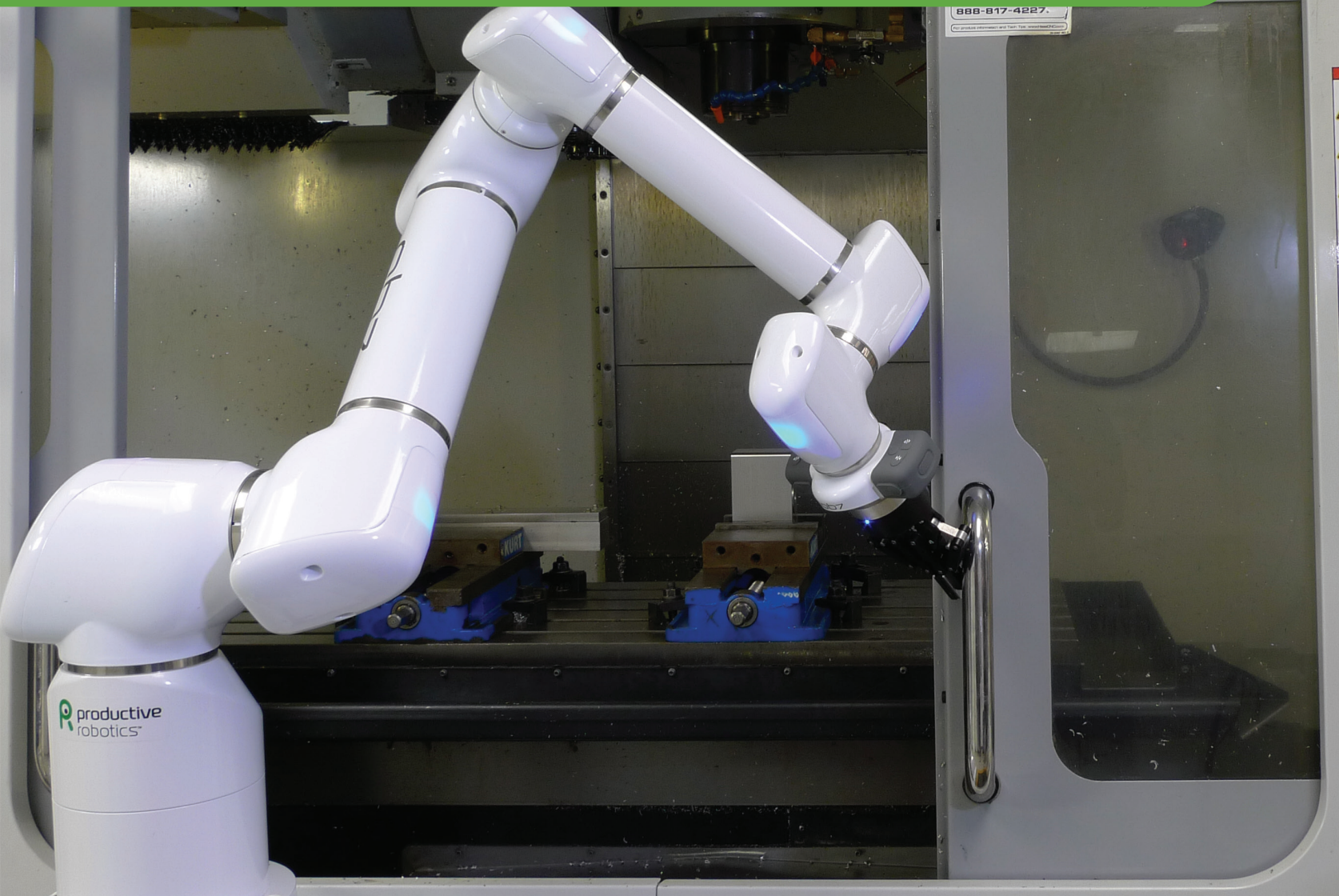


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USA

# PRODUCTIVE ROBOTICS

## Robotic CNC Machine Operator



**Less Than \$5/Hour\***

\*Based on 40 hr week. 80 hr week less than \$2.50/hr, etc.

### OB7 Collaborative Robots

Work 24/7 "Lights Out" on CNC Mills, Lathes  
Punches, Brakes, EDMs and More

 **productive**  
robotics®

# Meet Your Robotic A-Team. Next Generation Collaborative Robot Automation Built and Designed in the United States.

OB7 collaborative robots bring home the competitive edge for small and large machine shops. Each model of OB7 collaborative robots work safely alongside people. When equipped with safety sensors and people aren't present, OB7 can safely work at high speeds then slow to safe speeds when people are nearby. OB7 collaborative robots are designed to deliver unmatched automation productivity, accuracy and safety. With zero complicated software programming, you can automate simply and affordably

while opening up new productivity horizons. A game changer for machine shops, the OB7 CNC Machine Operator loads blanks and unloads finished parts, keeping your machines running 100% of the time. With zero breaks or distractions, OB7 minimizes downtime and ensures consistent quality machine output on your shop floor. OB7 works one, two, or three shifts, gaining up to 24 hours 'lights out' operation.

## OB7 \$5/Hour Machine Operator

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### Simply Roll OB7 Up to Your CNC Mill, Lathe, or Other Machine and Go.

Operates any Brand of CNC Mills, Lathes,  
Laser Cutters, Routers, Plasma Cutters,  
EDM and Grinders, Including HAAS,  
Mori Seiki, Hurco, Doosan  
and others.



## OB7

- Perfect Automation Cobot, Offering Extreme Maneuverability and No Programming.
- Payloads: Up to 5 Kg
- Reach: 1 meter
- 7 Axis Extreme Maneuverability
- No Programming

## OB7 STRETCH

- A Slightly Longer Arm than OB7, Offering a Bit More Reach. Most Popular for Lathes.
- Payloads: Up to 4 Kg
- Reach: 1.25 meters
- 7 Axis Extreme Maneuverability
- No Programming

Fast & Simple installation in as little as a few hours with no integration required.

No programming. Physically “show” OB7 and it learns.

No cage required. Works safely alongside operators.

Consistent, quality machine output. Reduce scrap and optimize part quality.

Perfect for short runs & high mix/low volume jobs (as small as 5 pieces).

**7 Axis  
Extreme  
Maneuverability  
Unmatched by Any  
6 Axis Robot.**

Like a human arm, 7 joints give OB7 robots the flexibility to operate in a confined space and reach around obstructions, such as a machine tool's sliding door. It allows the operator access to do maintenance, setups, change inserts and more.



*Keep CNC  
Machines  
Running 24/7  
Without Breaks  
“You’re Only  
Making Money  
When You’re  
Making  
Chips”*



## **OB7 MAX 12**

- Highest Weight Capacity, Ideal for Handling Heavier Parts.
- Payloads: Up to 12 Kg
- Reach: 1.3 meters
- 7 Axis Extreme Maneuverability
- No Programming

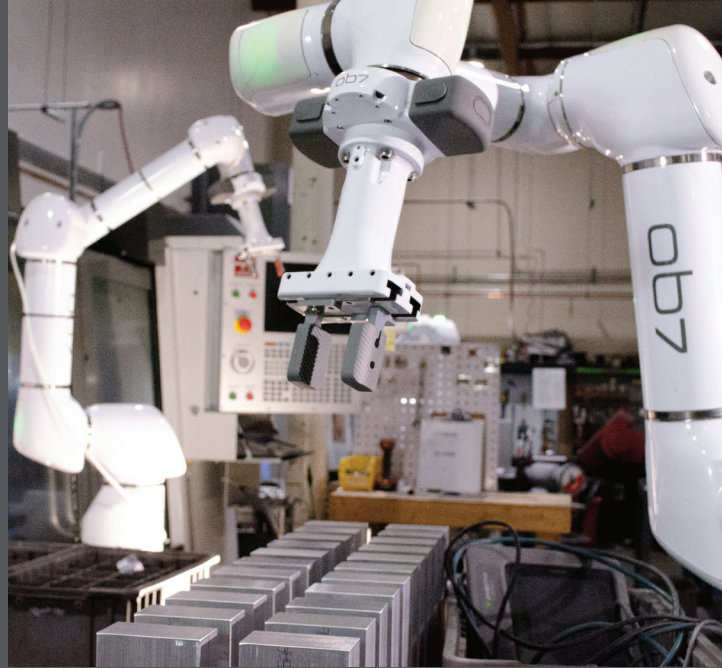
## **OB7 MAX 8**

- Ultimate Reach Capacity, Offering the Longest Reach of All the Cobots.
- Payloads: Up to 8 Kg
- Reach: 1.7 meters
- 7 Axis Extreme Maneuverability
- No Programming



## OB7 Provides a Complete Out-of-the-Box Robotic Machine Tending Solution. Easy, All-Inclusive Packages Allow You to Connect to Any Brand of CNC.

OB7 installs on your CNC machine in under an hour. Packages include an OB7 robot with all controls plus all the necessary equipment to add robotic machine tending to your CNC machines.



### MILL PACKAGE

- OB7, Stretch, Max 8 or Max 12 Robot
- Controller & Tablet
- Robot Stand
- Assembly & Staging Table  
39"x28" (OB7, Stretch Robots)  
47"x47" (MAX Robots)
- PG2 Parallel Programmable Electric Gripper
- Robot Machine Interface
- AirVise Table Vise AVT4 with 6" Jaws
- Chip Fan
- Air Blow Off Kit
- Remote Interface Relay Module-Single

OB7, Stretch Robots: **\$35,900 or \$699/month**  
Max Robots: **\$46,900 or \$899/month**  
Vision: **Add \$4,900**

### LATHE PACKAGE

- OB7, Stretch, Max 8 or Max 12 Robot
- Controller & tablet
- Robot Stand
- Assembly & Staging Table  
39"x28" (OB7, Stretch Robots)  
47"x47" (MAX Robots)
- DUAL PG2 Parallel Programmable Electric Gripper (*reduces wait time during part reloading*)
- DUAL Gripper Interface and Adapter
- Robot Machine Interface
- All Necessary Cables
- Remote Interface Relay (x3)

OB7, Stretch Robots: **\$35,900 or \$699/month**  
Max Robots: **\$46,900 or \$899/month**  
Vision: **Add \$4,900**

### OPTIONS + ACCESSORIES

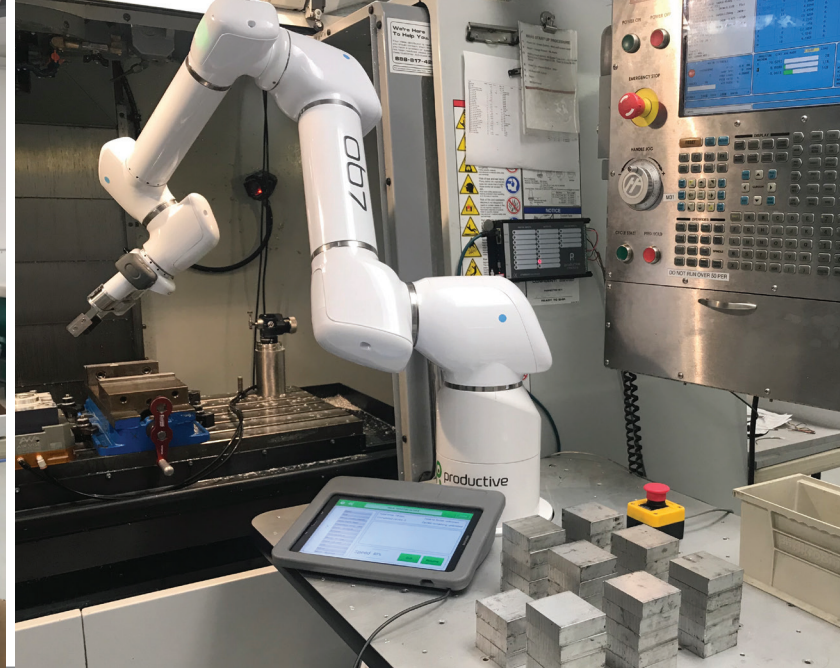
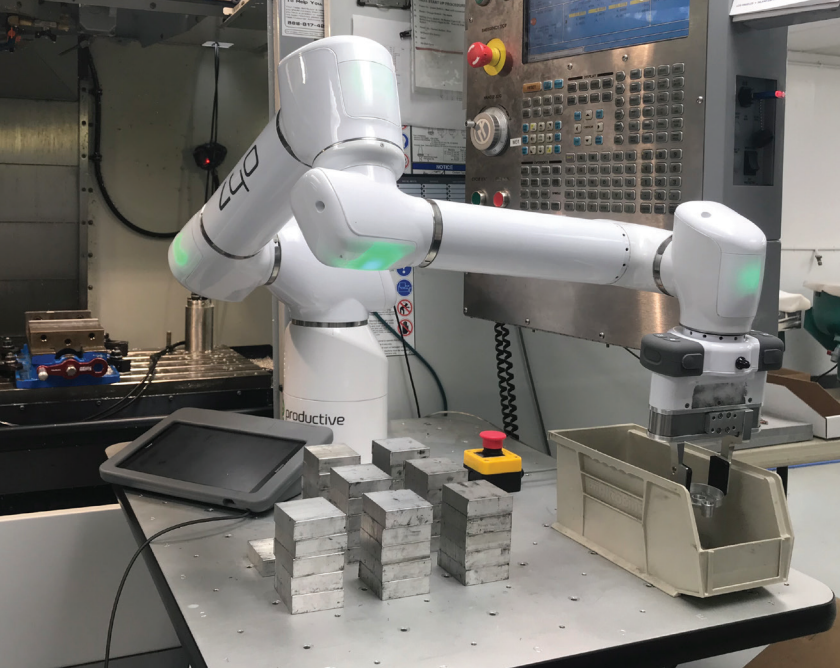
- OB Vision
- Kurt VersatileLock Vise, 6 in. #3600A
- Air Blow Off Kit
- Remote Interface Relay Module-Single
- Remote Interface Relay Module-Double
- Pneumatic Controller
- OB7 Dual Gripper Adapter
- PG2 Parallel Programmable Electric Gripper
- AirVise Table Vise AVT4 with 6" Jaws
- Interface Cables
- Handle I/O Accessory Cable
- Replacement Chip Fan Blade Set
- Laser Safety Scanner

### Watch OB7 Robots in Action



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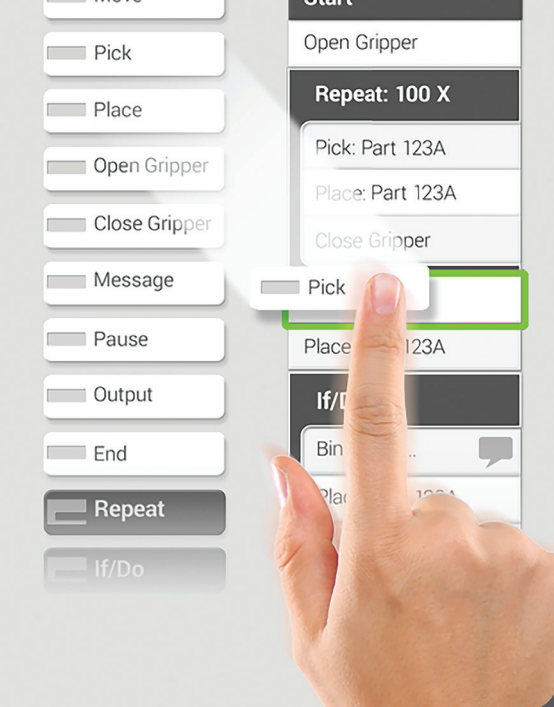
## MILL PACKAGE

OB7 Operating Cost is Less Than **\$5/hour** (40 Hours/Week) or **\$2.50/hr** (80 Hours/Week). OB7 Productivity Goes Straight to Your Cash Flow with **Payback in as Little as 1 Week.**

## LATHE PACKAGE







## NO PROGRAMMING

If you can do the job,  
OB7 can learn it.

Anyone can teach OB7 in minutes. No programming means that you don't write any code whatsoever. You 'teach' OB7 tasks by physically "showing" it what to do. There is no downtime waiting to re-engineer your production line and no waiting for software programming. Using visual "tiles" and a "drag and drop" interface, OB7's intuitive control tablet makes it simple to customize jobs, whether it is a simple pick and place or a more complex task like machine tending. Your staff can learn to operate OB7 and modify and execute thousands of different jobs quickly. While OB7 is simple to teach, there are no limits to the complexity of the job that OB7 can learn



## VISION

### Making Robot Vision A Simple Reality

OB Vision is Productive Robotics' commonsense and automatic approach to robot vision. Building on our "No Programming" approach to robot training, Productive Robotics' OB Vision brings "No Programming" to robot vision. OB Vision is completely integrated into the OB7 learning system and is available for all OB7 and OB7 Max robots.



## OB VISION SPECIFICATIONS

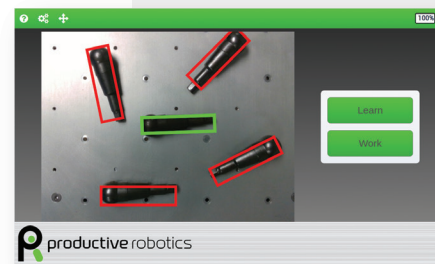
Working Area:	12" to 18" (300mm to 450mm)
Smallest Object:	1" (25mm)
Largest Object:	8" (200mm)
Recognition Speed:	1 Second (approximate)
Lighting Required:	None. All Necessary Lighting Integrated



## TABLE TOP PICKING

### You Push the Button and OB Vision Does the Rest

Table Top picking is fully automatic with no programming required. Simply show OB7 a sample of the part to be picked and it is automatically programmed. Table Top picking is compatible with most grippers including Productive Robotics' PG2 grippers, and most vacuum grippers. Table Top picking can be used to identify and sort multiple different objects simultaneously. OB7 easily picks parts out of grid trays





## PG2 PARALLEL GRIPPER

### New and Improved Gripping

The Productive Robotics PG2 gripper is a fully integrated two finger electric robotic gripper designed specially for the OB7 series of collaborative robots. The PG2 gripper fingers support 92mm of travel and can be extended to open up to 175mm. The maximum gripping force is 140N, the collaborative maximum force. The PG2 gripper includes both machinable fingers and soft silicone finger pads. The PG2 gripper is IP65 rated and compatible with Productive Robotics' dual gripper installations.

## DUAL GRIPPER

### Minimize Machine Wait Time During Part Reloading

A dual gripper allows you to speed up your production by using two grippers in one. With the OB7 Dual Gripper, you can unload a completed part then immediately reload a new blank, eliminating the extra trip to and from the machine. In lathe operations, which generally have short cycle times requiring an operator to constantly wait for the machine, using a dual gripper frees up time and allows the operator to focus on preparing other jobs and parts. The Dual Gripper Adapter is compatible with the OB7 Parallel Electric Gripper and other brands of grippers that use the standard ISO mount tool plate.

## VERSATILE END OF ARM TOOLING OPTIONS

### Compatible With Many Grippers On the Market

OB7 Collaborative Robots are compatible with many grippers on the market, including: Robotiq, Schmalz, OnRobot, PhD, Piab, Schunk, and others...



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## AUTOMATE OTHER AREAS OF YOUR MANUFACTURING

OB7 can automate a variety of industrial manufacturing tasks to optimize productivity. Some, but not all of the tasks include:

- Loading, Unloading and Part Removal
- Machine Tending and Batch Production
- Welding, Gluing and Painting
- Deburring, Polishing, Cutting and Grinding
- Packaging and Palletizing
- QC measuring, Testing and Inspection

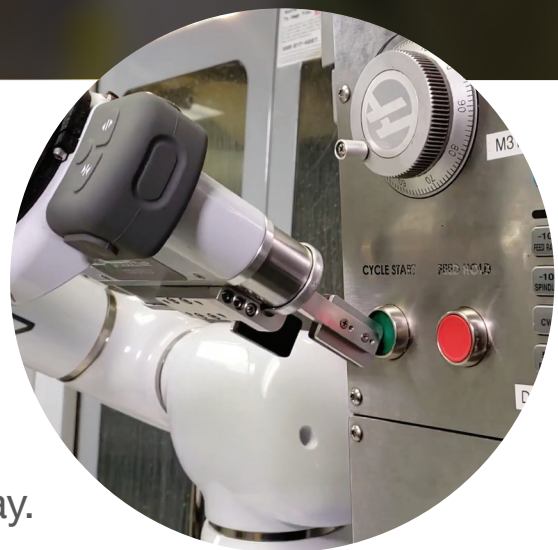
## Ready for OB7 to Push the Start Button?

Productive Robotics

Provides Best-in-Universe

**DIRECT FACTORY SUPPORT**

Knowledge and Support are a Phone Call Away.



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