

**For Immediate Release**

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*With Art:* Image of cobot with operator

**Cobots Maximize the Convenience, Productivity, and Social Distancing Considerations in Human/Robot Collaboration**

[LORAIN, OH – August 2020] The OB7 line of [collaborative robots](#) from Absolute Machine Tools' partner Productive Robotics maximize the safety, convenience, and productivity provided by collaborative robot (cobot) technology. The four different OB7 cobots in the series are engineered to handle a variety of payloads and sizes while accomplishing simple to complex tasks. In light of the current pandemic recommendations for social distancing to reduce the spread of COVID-19, cobots are playing a vital role in manufacturing operations, now more than ever.

Fully compliant with ISO 102018-1 industrial robot safety requirements, OB7 cobots can perform operations ranging from welding and cutting to painting and assembly without the need to fence them off or otherwise isolate them from human coworkers. To facilitate application, these cobots are the only cobots in the world to feature seven axes. The seventh axis is the J3 arm; the J3 arm joint provides the flexibility to operate in confined workplaces and reach around obstructions such as a machine tool's sliding door.

Because they require no coding or programming, OB7 cobots offer exceptional usability and convenience. Shop personnel can teach the cobot new tasks by simply dropping and dragging tiles on the control tablet interface. Custom job functions for complex or repetitive tasks can be created, then labeled and saved for future recall. The OB7's IP 30 computer controls all axis joints and components, and network ports are locked to prevent unauthorized access. A rolling stand with integrated casters enhances portability, and an assembly table on the stand provides a work surface for fixture placement and facilitates job changeovers. The cobot's power line conditioner includes a 15-minute backup power supply that enables the OB7 to be moved from one work cell to another with no need to power down.

OB7 CNC Packages come equipped with a standard PRI End-of-Arm Parallel Electric Gripper, which can be applied in hundreds of production applications. OB7 cobots are also compatible with most robotic gripper and end of arm tooling attachments. Users can adjust gripping force, speed, and opening position manually or automatically.

Collaborative capability can be adjusted to fit specific production situations. When running at safe speeds, no guarding is required. To operate at higher speeds and prevent collisions, an optional Laser Safety Scanner is available that has a 270° detection range and maintains a 5 m protection zone and a warning zone of 20 m.

Ongoing software updates enhance the cobots' connectivity, expedite efficient integration with other equipment, and facilitate real-time status monitoring with email and text alerts. [Productive Robotics](#) cobots are manufactured in the U.S. and users benefit from fast, reliable technical support and part supply services.

“Productive Robotics products, such as this OB7 line of cobots, support Absolute Machine Tools’ commitment to providing comprehensive engineering assistance for custom-tailored [automation](#),” said Courtney Ortner, chief marketing officer, “that include robotics and turnkey machining solutions aimed at reducing manufacturing costs.”

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#### **About Absolute Machine Tools, Inc.**

Absolute Machine Tools, Inc. sells and supports Productive Robotics Cobots and Robots; Johnford Bridge & Gantry Mills; You Ji Vertical Turret Lathes; Tongtai Horizontal Machining Centers (former Hitachi-Seiki OEM); PCI Horizontal Machining Centers; Quicktech Multi-Axis Multi-Spindle Mill/Turn Centers; Lico Multi-Slide CNC Screw Machines and Twin Spindle Multi-Slide Mill/Turn Centers; Nexturn Swiss-type Lathes; AccuteX Wire EDM and Die Sinker Machines; APEC 5-axis Gantry-style Linear Motor Machining Centers; and Precihole Gundrilling Machines. The company has worked with several of its principal machine tool partners for over 25 years to offer some of the most heavy-duty, accurate, and productive machines in the industry. The company has built its reputation on exemplary applications engineering, service, customer support, comprehensive training, and effective preventive-maintenance programs. In addition to its headquarters in Lorain, Ohio, the company has established direct full-service technical centers in Mason, Ohio and Livonia, Michigan. For more information, contact Absolute Machine Tools, Inc. at 800-852-7825 or [www.absolutemachine.com](http://www.absolutemachine.com).