

## New FANUC M-710iC Intelligent Robot Equipped with Vision at Westec 2006

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Press release from: [FANUC Robotics America, Inc.](#)



ROCHESTER HILLS, Mich., March 27, 2006 – Acme Manufacturing Company will showcase FANUC Robotics America, Inc.'s new M-710iC robot equipped with FANUC's V-500iA/2DV vision system, during the Westec 2006 Exposition and Conference at the Los Angeles Convention Center, Los Angeles, Calif., March 27-30, booth #2816 (co-locating with FANUC Robotics and GE Fanuc).

FANUC Robotics' new M-710iC robot features six axes of motion, an extremely large work envelope, slim profile and small footprint. The versatile M-710iC robot offers three model variations with payloads ranging from 50 kg to 70 kg., and a reach of 1360 mm to 2050 mm. Multiple mounting methods including floor, ceiling, angle and wall, make it possible for users to have better access to unusual work pieces. In addition, the optional Severe Dust and Liquid Protection (SDLP) makes the entire robot IP67 protected for operation in harsh environments.

"This is an exciting new robot based on its capabilities and flexibility," said Virgil Wilson, product manager, FANUC Robotics America, Inc. "It's rated 'best in class' for speed, and has one of the largest work envelopes in its class. In addition, its compact size and ability to flip over and work behind itself maximizes flexibility for work cell design, and saves valuable floor space."

At the show, the new M-710iC intelligent robot equipped with FANUC's V-500iA/2DV vision system will identify and locate aerospace components to perform a variety of metal finishing tasks. The new robotic cell includes an ATI QC-41 end-of-arm tool changer for automatic switching of the multiple finishing heads. The first finishing head is an ATI Flexdebur 340 radial compliant head for hard tool deburring and edge pre-break of the dovetail sections on the disc. The second finishing head is an Acme servo-driven compliant brushing head used for blending and radiusing the disc's sharp edges. The disc is mounted on a servo-driven seventh axis turntable to allow for accurate indexing of the various slots and other areas requiring finishing. This precision indexing feature provides uniform part finish and simplifies the programming process.

FANUC Robotics' ROBOGUIDE off-line programming software was used to create the part program. ROBOGUIDE makes it very easy to identify interference or access problems and simulate part programs without taking the system out of production.

FANUC Robotics' V-500iA series of PC-based machine vision products adds intelligence to robot systems that require a high degree of adaptability and flexibility.

“Acme Manufacturing Company serves a variety of industries including aerospace, automotive, trucking and basic steel to name a few,” said G. A. "Fritz" Carlson III, President, Acme Manufacturing. “We constantly enhance our product offerings and capabilities, as well as acquire new technologies that address the demands of today's dynamic manufacturing environment. This new FANUC robot will help us meet many of those demands.”

Acme Manufacturing Company is a fully integrated designer and manufacturer of machine tools specializing in metal surface finishing machinery and systems. For four generations of Carlson family ownership and over ninety-five years of dedicated service worldwide, the Company has maintained a singular focus: to develop cost effective solutions for its customers' complex finishing needs. For more information contact Acme Manufacturing Company at [www.acmemfg.com](http://www.acmemfg.com) or call (248) 393-7300.

FANUC Robotics America, Inc. designs, engineers and manufactures industrial robots and robotic systems for a wide range of applications including arc and spot welding, material handling (machine tending, picking, packing, palletizing), material removal, assembly, paint finishing and dispensing. The company also provides application-specific software, controls, vision products, and complete aftermarket support. After 23 years of success, FANUC Robotics maintains its position as the leading robotics company in the Americas. A subsidiary of FANUC LTD in Japan, the company has facilities in Chicago; Los Angeles; Charlotte, N.C.; Cincinnati and Toledo, Ohio; Toronto; Montreal; Aguascalientes, Mexico; and Sao Paulo, Brazil. Over 150,000 FANUC robots are installed worldwide. Contact FANUC Robotics at [www.fanurobotics.com](http://www.fanurobotics.com) or by calling 800-47-ROBOT.

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