SKILL BOSS MANUFACTURING: COMPREHENSIVE ASSESSMENT

SKILL BOSS MANUFACTURING

Skill Boss Manufacturing is designed to assess the hands-on skills needed by today's advanced manufacturing production areas, including assembly & machine operation. No other system boasts this many technologies in a portable platform.

Assessment Areas	Skill Boss Manufacturing Evaluates over 60 Essential Skills Including:
Safety	Perform pre-start up inspection Demonstrate lockout/tagout procedures Confirm safety interlocks on guard are functional Confirm zero energy state of all power sources Locate and interpret safety data sheet(s)
Quality	Perform measurements using tape measure, caliper, micrometer, and dial indicator Compare measurements to GDT specifications on a print Measure and verify shaft runout falls within specified tolerance
Production Processes	Locate parts and fasteners for assembly operation using a blueprint Assembly parts using Allen wrenches, wrenches, and screwdrivers Use torque wrench to properly tighten a fastener Navigate menus on an HMI Manually operate cylinders Perform an emergency shutdown Reset alarm and restart machine Measure cycle time
Maintenance Awareness	Adjust pneumatic lubricator's drip rate Adjust pressure regulator's setting Adjust actuator speed using flow control valves Install a pillow block bearing and shaft Install a flexible coupling and shaft Align and tension a belt drive Lubricate a bearing using a grease gun Drain an air filter Connect pneumatic circuit using a schematic Adjust various sensors

CPT & CPT Plus: Pathways to Successful Careers

MSSC's full Certified Production Technician (CPT) certification consists of four stackable credentials: Safety, Quality Practices & Measurement, Manufacturing Processes & Production, and Maintenance Awareness. The CPT Plus certification compliments the full CPT credential by providing employees with proof than an individual has the comprehensive technical knowledge and hands-on skills needed to be immediately productive.

2400 Centennial Blvd. Jeffersonville, Indiana 47130 U.S.A.



Performance-Based Assessment & Hands-On Training







Skill Boss Manufacturing: Training & Assessment

AMATROL

"CPT Plus" Certification Assessment

Develop/Evaluate Individuals' Skill Sets

CPT Plus certification provides employers further proof of an individual's skill set by requiring successful demonstration of hands-on skills in electronic, electrical, fluid power, and mechanical systems.

Robotic Pick & Place System

Magnetic reed sensors

Vacuum pick-up system

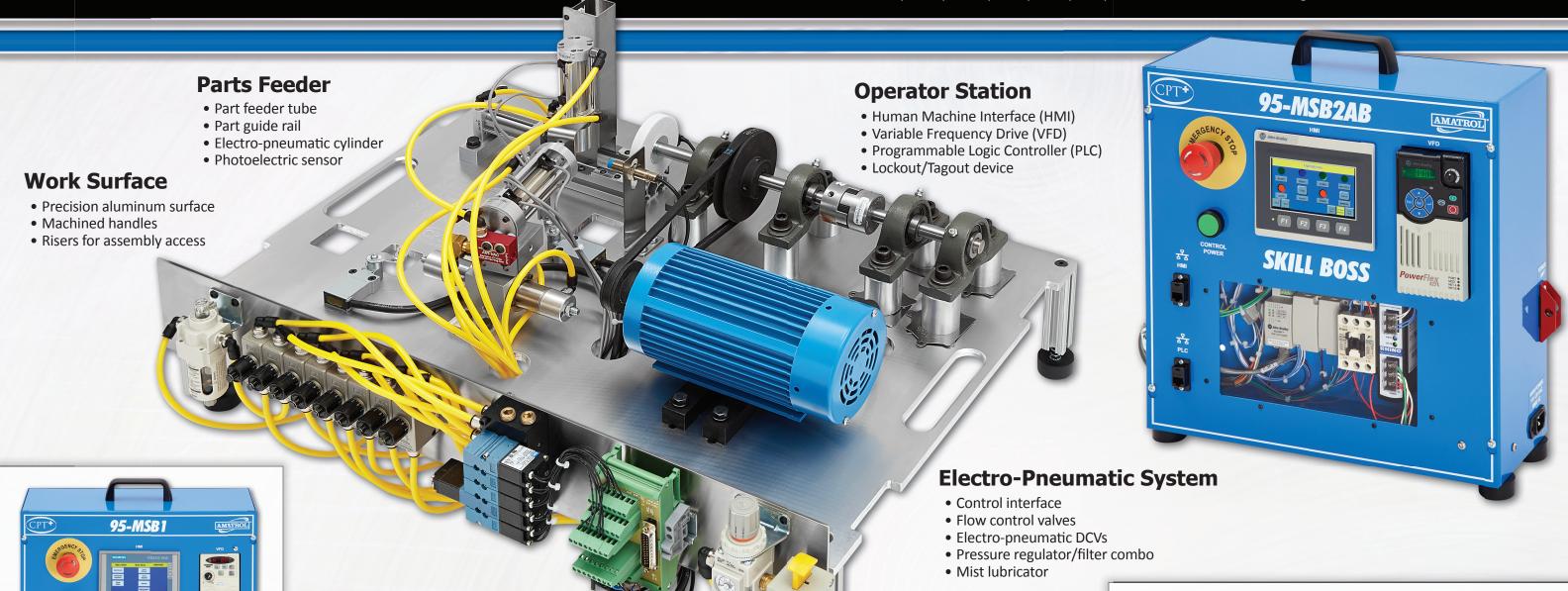
Pneumatic cylinders

Rotary actuatorLimit switchesInductive sensor

Skill Boss Manufacturing, designed to meet MSSC standards, is a hands-on skill training and assessment system that integrates seamlessly into any manufacturing programs and is required for CPT Plus certification.

Skill Boss Manufacturing provides the tool you need to teach or evaluate an individual's skills as they install, adjust, and troubleshoot components on this fully functional mechatronics system, applicable to both discrete parts and process manufacturing.

Performing a real-world sorting & finishing process, Skill Boss Manufacturing automatically feeds parts into the system where they are rejected or accepted to continue the process. If accepted, the parts are buffed with a polishing wheel before a 3-axis robotic pick & place—system picks up the part and moves it into "finished goods" based on its material.



Also Available in Siemens Model

SKILL BOSS

- Electric motor (0.28 kW)
- Multi-shaft drive
- Flexible coupling
- Pillow block bearings
- Bearing lubrication (oil & grease)
- Interchangeable V-belt & Chain drive
- Jack bolt alignment screws
- Polishing wheel





Included Belt & Chain Drive Components

Mechanical Drive System