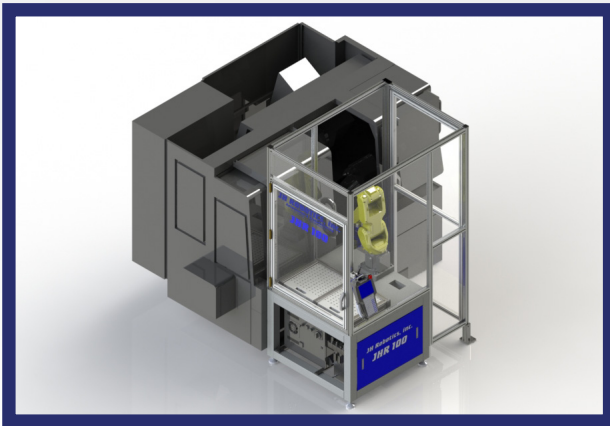


JHR-100 SERIES MACHINE TENDING ROBOTS

TAKE YOUR WORKFORCE TO THE NEXT LEVEL

READY-TO-INTEGRATE



SYSTEM FEATURES:

- Pre-engineered, proven and easy to use robot machine tending cell.
- Adapts to any new or existing CNC Lathe, Mill, Grinder or EDM.
- Featuring the FANUC LR Mate 200iD six axis robot with R-30iB Plus Mate Controller and Touch Screen Teach Pendant.
- Easy to use system controls – custom JHR operator panel on the touch screen teach pendant is used for system interface and messaging.
- Custom robot end of arm tooling sub-assembly included with (2) high-quality, Schunk-brand pneumatic actuators to allow for simultaneous load/unload cycles.
- One-piece welded steel frame construction for simplified install and relocation.
- Extrusion guarding system with safety interlocked access doors.
- 2 Tray Guidance System for part input/output:
 - » Tray working space approximately 15" x 14"
 - » Each tray can be used for input and output of parts
 - » Must stop robot motion and open door to perform tray changes
- Pre-written and optimized robot software structure included for picking and placing from trays and for picking and placing from machine tool. Software and HMI designed to allow end user to setup parts easily on their own.

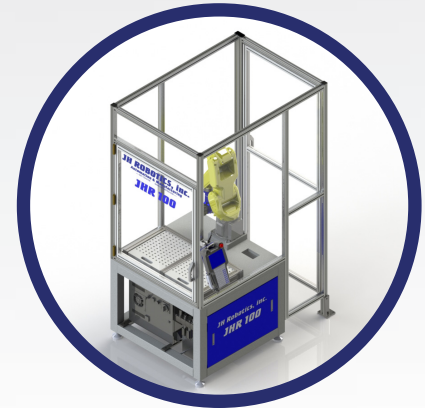
SYSTEM BENEFITS:

- Drastic productivity increases created by:
 - » Fast and repeatable load/unload times
 - » Reduced machine down-time – no breaks, lunches, sick days or vacation days
 - » Lights out operation – run robot on off-shifts & weekends
- Product quality improvements created by:
 - » Smooth and repeatable load and unload conditions
 - » Finished parts are kept separated on trays eliminating part to part contact
 - » Elimination of human error
- Highest rated and most reliable robot brand in the world – **FANUC ROBOTICS**
 - » FANUC along with JH Robotics provide unparalleled support and service for the life of the system

JHR-100 SERIES MACHINE TENDING ROBOTS

SPECIFICATIONS:

- FANUC LR Mate 200iD robot – 7kg total payload, 717mm reach
- FANUC software options: Collision Guard, DCS Position & Speed Check & Panel Wizard
- FANUC Terminal I/O Converter Board – includes 24Inputs/28Outputs
- For a two-actuator gripper assembly, the robot can handle up to 5lb parts
- For a single-actuator gripper assembly, the robot can handle up to 10lb parts
- Part capacity example: each tray holds (48) 1.5" OD parts (96 parts total)
- Typical Machine Dimensions: 54" long x 38" wide x 84" tall
- Utilities required for install: 208V-single phase-60Hz power, 80psi air



SYSTEM OPTIONS:

- Turn-key Part Tray & Gripper Finger Tooling
- Turn-key Software setup and testing
- 2-Drawer System for part input/output – allows continuous robot operation during tray changes or part restocking
- Robot-mounted Blow-off
- Part Audit Chute
- Long Arm Robot (FANUC LR Mate 200iD/7L model – 911mm reach)
- Collaborative Robot (FANUC CR-7iA/L model – 911mm reach)
- iRvision Capability (for picking randomly oriented parts or basic inspection)
- Part Deburr
- Part Wash/Dry
- Part Gauging
- Part Marking/Labeling
- Machine Base Docking System (quick connect mechanical and electrical hardware)
- Various Communication Protocols (FANUC I/O Link, ProfiNet, Ethernet IP, etc.)

EMAIL OR CALL TODAY FOR SYSTEM PRICING:

EMAIL: sales@jhrobotics.com

PHONE: (607) 729-3758

