FANUC

Get more from your robotic system with FANUC *i*PC Box

Powerful solution for demanding intelligent applications

IP54 protection

Ethernet communication to robot controller

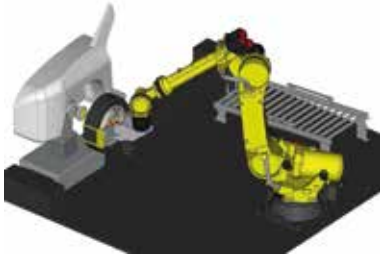Functional package of industrial PC hardware and software

FANUC *i*PC Box

Designed for ultimate performance and reliability

The FANUC *i*PC Box provides a reliable industrial solution for advanced robot applications that require high computational performance. It is equipped with multiple Gigabit Ethernet ports and a powerful CPU for quick acquisition and processing of image data by *i*RVision software. Seamless integration with FANUC R-30*i*B Plus controller allows for ease of use, setup, commissioning and maintenance of your robot system.

Bring your applications to the next level

Specifically designed for applications with strong computational requirements, the FANUC *i*PC Box is a reliable, functional package of an industrial high-end computer hardware and highly integrated, easy-to-use application software.

ASSEMBLING WHILE TRACKING

Realtime Visual Tracking

- enables assembling while tracking an object without using a line tracking encoder
- visual feedback and tracking in real-time (by using a robot-mounted GigE 2D camera)
- able to cope with fluctuating speed and posture (by using a 3D vision sensor, optional)
- able to cope with little clearance between parts (by using a force sensor, optional)
- supports long and complex assembly tasks (by using a linear integrated rail, optional)
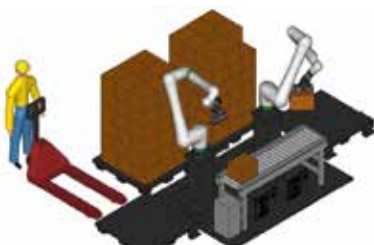
HIGH-SPEED BIN PICKING

3D Model Locator

- fast and reliable detection of parts that have a complex 3D shape
- easy vision setup using 3D CAD data of the part
- intuitive teaching of pick positions using 3D CAD data of the part and the gripper

Bin Picking Auto Path Generation

- enables automatic generation of a Teach Pendant program with a "ready & safe to go" path for a reliable high-speed bin picking
- ensures avoidance of interference
- ensures avoidance of singularities
- ensures avoidance of stroke limit errors
- ensures reachability of all generated path nodes

DEPALLETISING OF BOXES

AI Box Locator

- enables depalletising of tightly aligned boxes
- robust detection by Artifical Intelligence even under difficult light conditions