



### Visual intelligence that opens up your options:

- depalletising materials including mixed boxes, sacks, bags and food packaging
- bin picking materials including loose random parts, irregular castings, irregularly-shaped sacks and packaging
- sorting, placing and loading picked items into machines

#### Grippers for every type of material:

- mechanical
- magnetic
- vacuum





## Two different types of 3D area sensor are available (IP65):

- 3DA-400 for smaller boxes (400 x 300 x 300 mm)
- 3DA-1300 for euro pallets (1340 x 1000 x 1000 mm)

#### More productivity

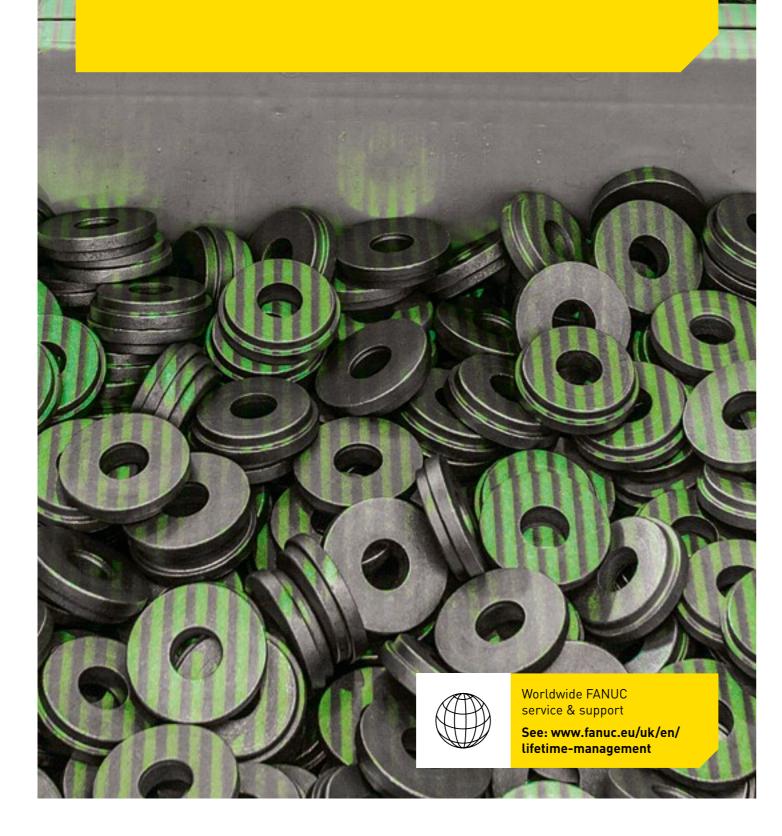
- integrated part manager ensures efficient picking
- shorter cycle times thanks to multi-tasking background processing
- 8 year service interval on 3D area projector unit ensures continuous production
- one robot can handle up to four 3D area sensors
- a wide range of KAREL programs for intelligent customisable part management

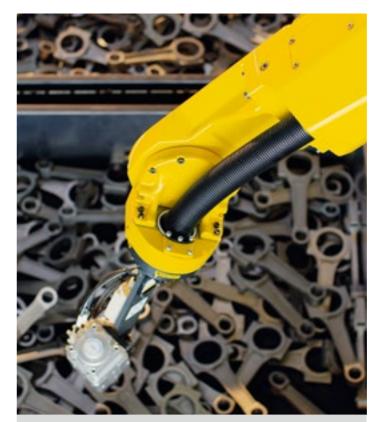
#### Faster setups and maximum uptime

- faster set up thanks to complete integration into the robot (no interfaces to external devices and no PC needed)
- fewer parts and FANUC reliability for maximum uptime
- easy mechanical installation and setup wizards reduce system setup time
- workshop programming using a graphical interface on *i*Pendant Touch
- for more flexibility, teaching new paths is easy
- collision avoidance function ensures robots do not make contact with obstacles or bin edges



With over 200 3D Area Sensors installed in many different industries, FANUC enables you to respond flexibly and improve the productivity of your handling operations. Even setups involving dirty, dusty or rusty products and/or difficult light conditions can be realised. No matter what your handling scenario, FANUC specialists are ready to find a solution that meets your needs. Why not ask about a test installation?





Bin picking metal castings



Machine loading from a bin



Depalletising bags and boxes



Handling different sized boxes

Contact us to find the perfect solution for your industry: www.fanuc.eu



3 PLACE





- out of the box functionality, including all the tools and features needed (plug and play)
- intelligent part management ensures picking is evenly distributed across the bin
- part detection takes place while the robot is moving and does not interrupt the workflow
- familiar *i*RVision interface makes it easier to understand and use
- standard TP programming skills are sufficient to create and implement an application
- full *i*RVision functionality plus special locator tools for the 3D Area Sensor
- bin picking is fully supported by FANUC Roboguide simulation software
- no additional light required
- all components hardware and software 100% FANUC



# Push the button

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