

**SOLOMON**

Vision with Intelligence


# AccuPick 2D

Smart Manufacturing | Smart Logistics



# Robot vision for the factory of tomorrow





**AccuPick 2D** significantly enhances the scope of robot applications with an intelligent AI based vision system.

**AccuPick 2D** not only gives robots “eyes” that allow them to see, but also provides them with a “brain” to understand with human-like cognition.



Compared to conventional rule-based vision guided robot systems, **AccuPick 2D** offers the following advantages.

- ✓ Recognizes complex objects and patterns **using advanced machine learning**
- ✓ Identifies and locates objects **without time-consuming optical system set-up**
- ✓ Works seamlessly with **more than 20 robot brands and major PLCs**
- ✓ **Friendly GUI** to easily build and change workows
- ✓ **Generates high return on investment (ROI)**
- ✓ **Easily Upgraded** to our award-winning AccuPick 3D



## Superior detection capabilities

Unlike rule-based vision systems that often require optimal ambient lighting, which can be expensive and time consuming to attain,

**AccuPick 2D** works perfectly under unfavourable circumstances, such as subpar lighting conditions or with poor quality images. **AccuPick 2D** can easily see and locate objects that have been traditionally challenging to work with, including dark, highly reflective, and transparent items.

**AccuPick 2D** supports any GenIcam compatible with a PC-based 2D camera.



# A “BRAIN” to enhance the productivity of your robots

Based on state-of-the-art neural networks, **AccuPick 2D** is capable of recognizing complex objects and patterns with high accuracy. The amount of time required to set up an application has been significantly reduced. Getting AccuPick to “learn” about an object is as simple as labelling it once, no complicated programming or fine tuning of parameters are required. **AccuPick 2D**'s applications include:

- Densely Packed Objects
- Overlapping Thin Objects
- Objects of Varying Colors, Features or Shapes
- OCR
- Transparent / Translucent / Highly Reflective Objects
- Object Varying Poses / Sides
- Product Counting
- Picking Unknown Items
- Defect Detection and Sorting



## Drag-and-drop user interface to build robot applications

**AccuPick 2D** offers the possibility to give direct commands to robots.

Setting them up for different vision applications and workflows does not require intimate knowledge of robot programming. All workflows can be built and changed using a drag-and-drop GUI.



## Support of more than 20 robot brands in AccuPick 2D

Like AccuPick 3D, **AccuPick 2D** supports seamless connectivity with more than twenty robot brands and allows direct communications with many major PLC brands. Users can easily upgrade to our award-winning AccuPick 3D **Random Bin Picking system**. AccuPick 2D and AccuPick 3D software provide a similar user interface, minimizing the amount of time required to get familiar with our 3D vision system.





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