

# GIN Delilah™ Robotic Cell

## Future-proof modular multi-function automation platform

GIN Delilah™ Robotic Cell is a multifunctional platform for automation needs in diagnostic test manufacturing and laboratory processes.

GIN Delilah™ robot increases the process productivity by introducing multi-functional high accuracy operation with the world's smallest footprint. The compact size gives its users significant cost save in clean room operation. The robot can be used as a stand-alone device or 100% walk-away fully robotic automation solution.

GIN Delilah™ is extremely accurate, the precision within the working envelope is 0.05 mm. The precision of the robot supports demanding diagnostics manufacturing and assembly processes that are needed e.g. in microfluidic dispensing and micro needle assembly. To ensure flawless and high quality operation versatile machine vision systems are available for accurate positioning and quality control.

The robot is designed to perform versatile tasks. This is achieved simply by inserting tooling that matches the specific customer application requirement. The productized accessories include etc. grippers for micro-titer plates and their lids, test tubes, lateral flow strips and cassettes. The easy modification and upgrading possibility of GIN Delilah™ Robotic Cell supports build as you go approach and provides freedom and flexibility to make necessary modifications and changes in processes.



The productized GIN Delilah™ Robotic Cell is operated and managed using a wireless tablet-based user interface with real time status information. The graphical user interface is easy to use and informative.

# GIN Delilah™ Robotic Cell

## Main specifications and features:

### Co-axial parallel scara robot

- Working envelope larger than footprint
- Handling capacity 0.5 kg
- Accuracy typ. +/- 0.05 mm

### Control system

- Embedded industrial PC (Win 7 Pro, TwinCAT)
- GIN UX Tablet User Interface
- USB, WLAN, LAN
- Machine vision system
- Operator language English

### Technical Data

- Mains connection 110-240 V AC, 50/60 Hz, 10 A
- Dimensions (mm): 345 (W), 510 (D), 650 (H) (without tablet)
- Weight: ~ 60 kg

### Key benefits

- Easy cleaning: No screws or holes in surfaces
- Compact size saves cost in space requirements
- Modular structure supports build as you go approach
- One platform supports numerous applications

