# NOWING
STATE OF THE ART ENGINEERING

# NWN SCARA



407.83

207.83   200

ø110

ø150

474   653.25

Measurements in millimeters

## Specification

| Degrees of Freedom | | 3 rotating joints, 1 linear axis; 4 DOF |
|---|---|---|
| Reach | | 407.8 mm / 16 in |
| Envelope | | h = 350 mm, r = 407.8 mm |
| Payload | | 1.5 kg / 3 kg |
| Repeatability | | 0.1 mm |
| Range of Motion | Wrist joint | infinite |
| | Elbow joint | ± 300 deg |
| | Shoulder joint | ± 360 deg |
| | Z joint | ± 350 mm |
| Resolution | Wrist joint | 13.5 arcmin |
| | Elbow joint | 66.3 arcsec / 0.06 mm linear distance |
| | Shoulder joint | 48.3 arcsec / 0.05 mm linear distance |
| | Z joint | 0.01 mm |
| Max operation speed | Wrist joint | 360 deg / 0.1 s |
| | Elbow joint | 360 deg / 0.73 s |
| | Shoulder joint | 360 deg / 1 s |
| | Z joint | 100 mm / 0.6 s |
| Mounting Type | | Tabletop, AGV, ceiling, etc. |
| Footprint | | inscribes 230 x 150 mm |
| Temperature Range | | 0 - 50 C at average speed |
| Materials | | Aluminum, Steel, Plastic |
| Tool Connection | | M3 x 6 |
| I/O power supply | | AC100-240V |
| Communication | Socket-based API | through WiFi, Ethernet |
| | Serial-based API | through USB, optionally I2C, SPI or CAN |
| Control Box Size | | 270 x 270 x 200 mm |
| Programming | | 3D user interface runs on computers, tablets, and cellphones |
| | | Straightforward API allows entry-level developer to have full control of the robot |
| | | Supports C, C++, Javascript, Java, .NET etc. |
| | | Vision integration option with no programming required |
| Warranty | | 12 month to unlimited |
| Service | | Integration, programming, maintenance, and onsite training available |

Visit us online at **nowing.com**
Email us at **future@nowing.com**
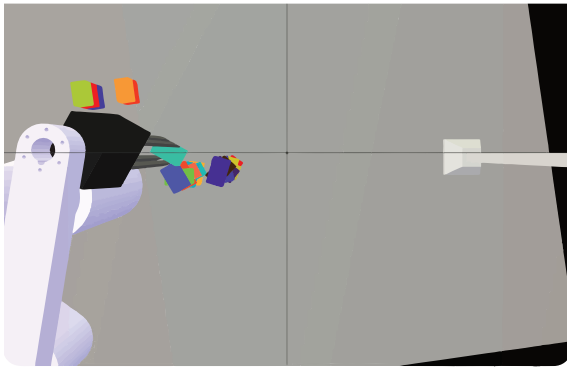
# NOWING

STATE OF THE ART ENGINEERING

## Start a new age of people-centered production

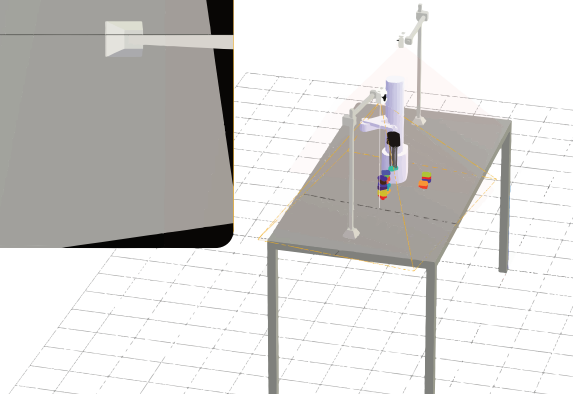### Expand the scope of human activities

## Vision

**NOWING Sight**

* Native image processing

* HDMI output for real-time monitering

* Transfer of images and machine vision algorithms by USB or WiFi

* No programming & zero setup after inserting the detection algorithm

* 2D and 3D vision options

* On-demand machine learing algorithms

## Software

**NOWING Factory**
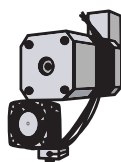
* 3D online control interface

* Vision integration: maps reality into virtual
  environment, calculates action commands
  to send back to reality

* Control your robot using preferred method:
  G-code entry, free drive mode, 3D virtual
  control, & intelligent motion planning

* Customizable interface and simple API

* Supports C, C++, Javascript, Java, Net, etc.

## Grippers

Custom grippers: pneumatic, mechanical,

3D printerheads and hookups, engraving, welding

## Support

NOWING  12 month to unlimited warranty

Integration, programming and maintenance

Routine hardware upgrades

Visit us online at **nowing.com**
Email us at **future@nowing.com**