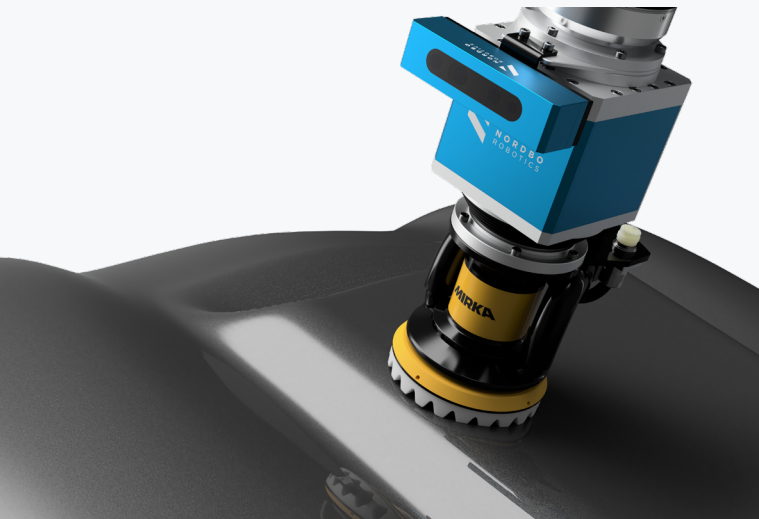
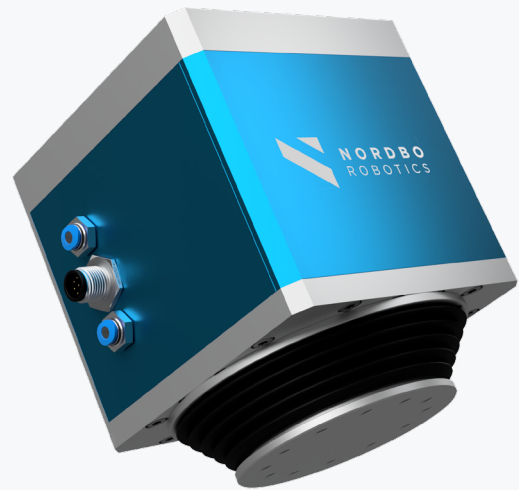




# NAC Active Compensation Unit

The Nordbo Active Compensation unit (NAC) assures a constant applied force, regardless of the complexity of the surface curvature, processing speed and orientation of the tool. Sensors inside the product register the contact with the workpiece, keep the applied force constant and enable a soft landing to ensure that the part is not being over-processed while in first contact with the processing tool. The NAC can be used either as an end-of-arm tool on a robot or as a standalone component.



## Typical applications

- Polishing
- Grinding
- Sanding
- Deburring

## > Consistent quality output

The pressure on the tool flange is actively kept constant on the configured force which results in a consistent and high quality output.

## > Increased productivity

Fast changes in curvature are compensated by the stroke of the NAC which enables an higher processing speed and results in an increased overall productivity of your processing application.

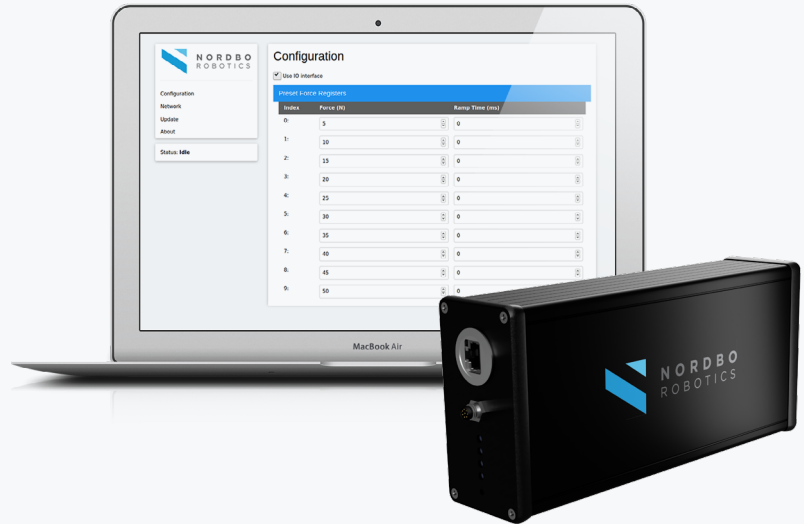
## > Easy configuration

Pressure and other settings are configurable through the integrated webserver which is accessible over ethernet using your laptop or phone.



## Key features

- Automatic tool calibration
- Gravity compensation
- Softlanding support
- IP67 classified
- Axial compliance
- Max Force (Push/Pull) 150/110N
- Stroke position feedback
- Programmable IO to set force target
- Webserver available



## Nordbo Robotics A/S

Nordbo Robotics is a software company dedicated to creating a better world through better jobs. We develop robotic software that enables the automation of complex surface treatments and the quality inspection of grinding, deburring, sanding, finishing, painting, and dispensing applications.



📍 Noatunvej 2

5000 Odense, Denmark

☎ +45 81 81 98 81

✉ info@nordbo-robotics.com

CVR/VAT: DK 34697728

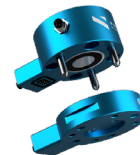
## Robot & tool independent

As the applied pressure can be managed by digital inputs, the NAC can be easily applied and operated by every robot or plc. The NAC can be mounted from the back or side of the product using an interface plate that fits your robot. The same counts for the tool side which makes it possible to select your favourite sander, grinder, polisher, etc.

## Other Nordbo Components



Flexible Spindle Mount



Magnetic Tool Changer



Force Torque Sensor