

50 YEARS

NACHI

NACHI EUROPE GmbH

OUR SYNERGY
YOUR PERFORMANCE

ROBOTICS



BEARINGS



TOOLS



ROBOTICS



HYDRAULICS



"Since the development of our first fully electric-driven robot for spot welding NACHI is known as a pioneer in robot automation."



**No.1
IN THE
WORLD**

World's fastest compact robot with load capacity up to 7 kg:
NACHI's MZ07



**"NACHI –
Always a Step Ahead"**

ROBOTICS

With the development of the first powerful industrial robots in the 1960s, NACHI has proven its strong innovation power in the field of industrial automation. Since then NACHI has continuously increased its product range of industrial robots.

Today NACHI delivers customized automation solutions with robots. That applies to a wide range of applications, whether it is loading and unloading of machine tool or injection molding machines, picking, packaging, palletizing of every kind of work-piece as well as spot welding or path welding in the automotive industry and in steel work, furthermore positioning and assembly of smaller parts in electronics.

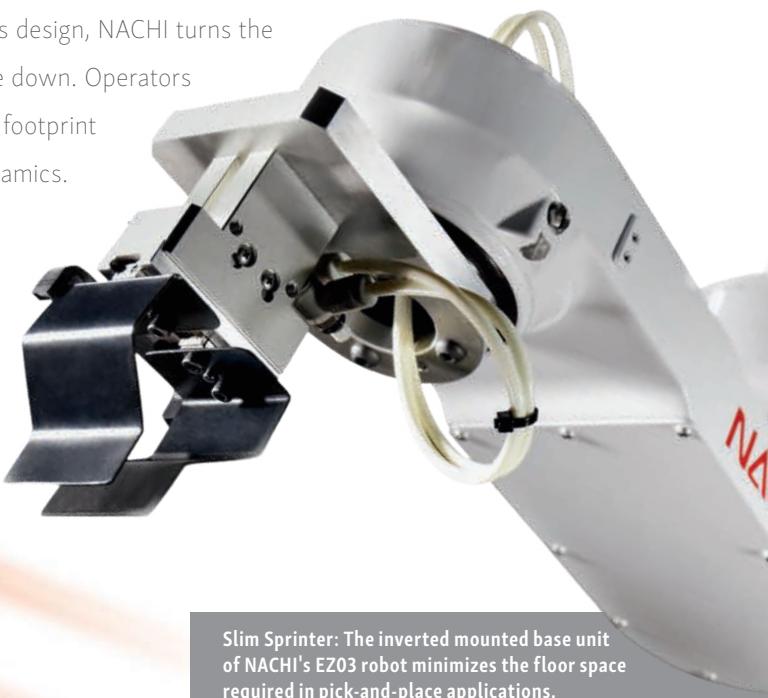
Automation at the Highest Level

NACHI's robots offer optimized solutions for industrial automation. They save energy and footprint due to their lightweight and compact design. They operate extremely precise and reliable due to their sophisticated drives, measuring systems and controls.

The programming and operation are clear and easy to understand. Thus the robots can utilise a broad range of applications in all industrial fields.

New Swing in the Automation of Assembly: The EZ series

NACHI's innovative robot EZ03 opens up a new dimension in productivity. With its design, NACHI turns the SCARA-concept upside down. Operators benefit from minimum footprint along with highest dynamics.



Slim Sprinter: The inverted mounted base unit of NACHI's EZ03 robot minimizes the floor space required in pick-and-place applications.

Robots for Industrial Automation

Innovative concepts and sophisticated kinematics allow the operation in every situation and condition. NACHI's robots contribute the highest productivity in production enterprises of any industrial field.

The MZ-Series with payload up to 7kg:

The compact robots of NACHI's MZ-series combine the proven 6-axis-concept with innovative solutions in detail, like hollow joints and wrist, intelligent wiring, high IP-protection at all axis. Highly dynamic drives achieve a failure-free operation at maximum productivity.



Force sensor:
This option controls the robot depending on the force at the gripper.
Sensitively controlled the robot can assemble e.g. bearing bushes, sealings or roller bearings.

Applications:

- ▶ load and unload of machine tool
- ▶ linking processing stations in production lines

Main Advantages:

- ▶ protection class IP67 utilizes applications in harsh industrial environment
- ▶ compact design for minimum space requirement
- ▶ high repeating accuracy due to optimized drives and measuring systems
- ▶ inside placed valves | intelligent wiring | hollow wrist



The Series LP-, MC-/MR- and SRA-robots with payloads up to 700kg:

NACHI's medium and heavy-duty robots provide worker-friendly conditions. Without getting exhausted they handle payloads from 10kg to 700kg. Thanks to their 7-axis-structure they are extremely agile. Due to their sophisticated kinematics, they have full access to their working area. Thus they provide the highest dynamic for all working processes. All users that have to handle medium to high payloads have outstanding benefits: food and beverages industry, the pharmaceutical industry, metalworking and plastics processing.

Applications:

- ▶ palletizing
- ▶ assembly and control
- ▶ handling of workpieces and packaging
- ▶ spot and path welding

Main Advantages:

- ▶ high payloads up to 700kg
- ▶ coverage up to 4000mm
- ▶ highly dynamic
- ▶ wiring through the joints prevents interferences
- ▶ wide operating envelope due to minimum inner interference

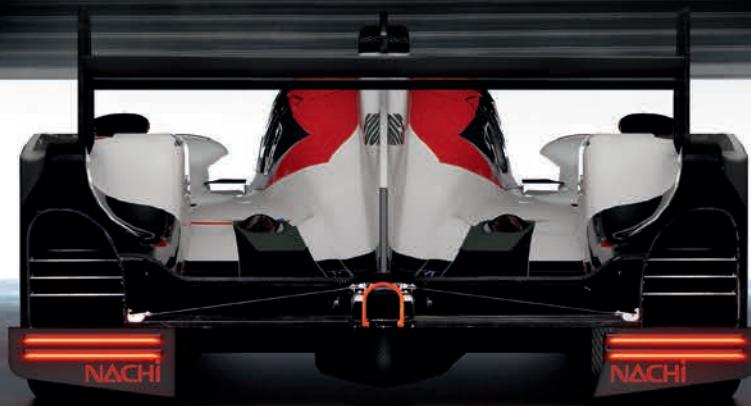
In Asia, NACHI is the leading manufacturer of spot welding robots for the automotive industry.

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