

**FANUC**

# The Factory Automation Company

# FANUC surrounds you

AEROSPACE



CONSTRUCTION

GLASS

ENERGY

DIE & MOULD

METAL

SHEET METAL

FOOD

AUTOMOTIVE

TEXTILE

MEDICAL &  
PHARMACEUTICALS

WATCH

AGRICULTURE

WOOD

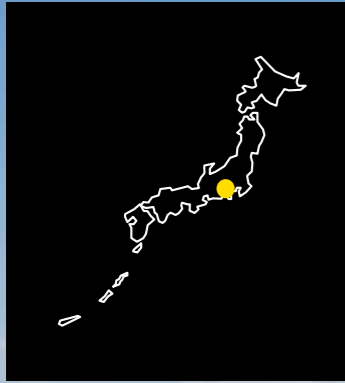
ELECTRONICS

PLASTICS

BEVERAGE

PAPER

Look around, parts and products that were produced, packaged or processed using FANUC technologies are everywhere.  
**Whatever the task, whatever the material, industry or market, we provide exactly what you need.**



**FANUC is based at the foot of Mount Fuji**, near Lake Yamanaka. Covering 1.5 million square metres, it is home to most of FANUC's unique production facilities. It also includes 12 research and development centres, administration buildings, staff accommodation, leisure facilities and even a clinic for FANUC employees and their families.



**FANUC is the factory automation specialist**

With almost 60 years of experience in the development of computer numerical control equipment, more than 30 million products installed worldwide and more than 8,200 employees in all corners of the globe, FANUC is a leading global manufacturer of factory automation solutions.\*

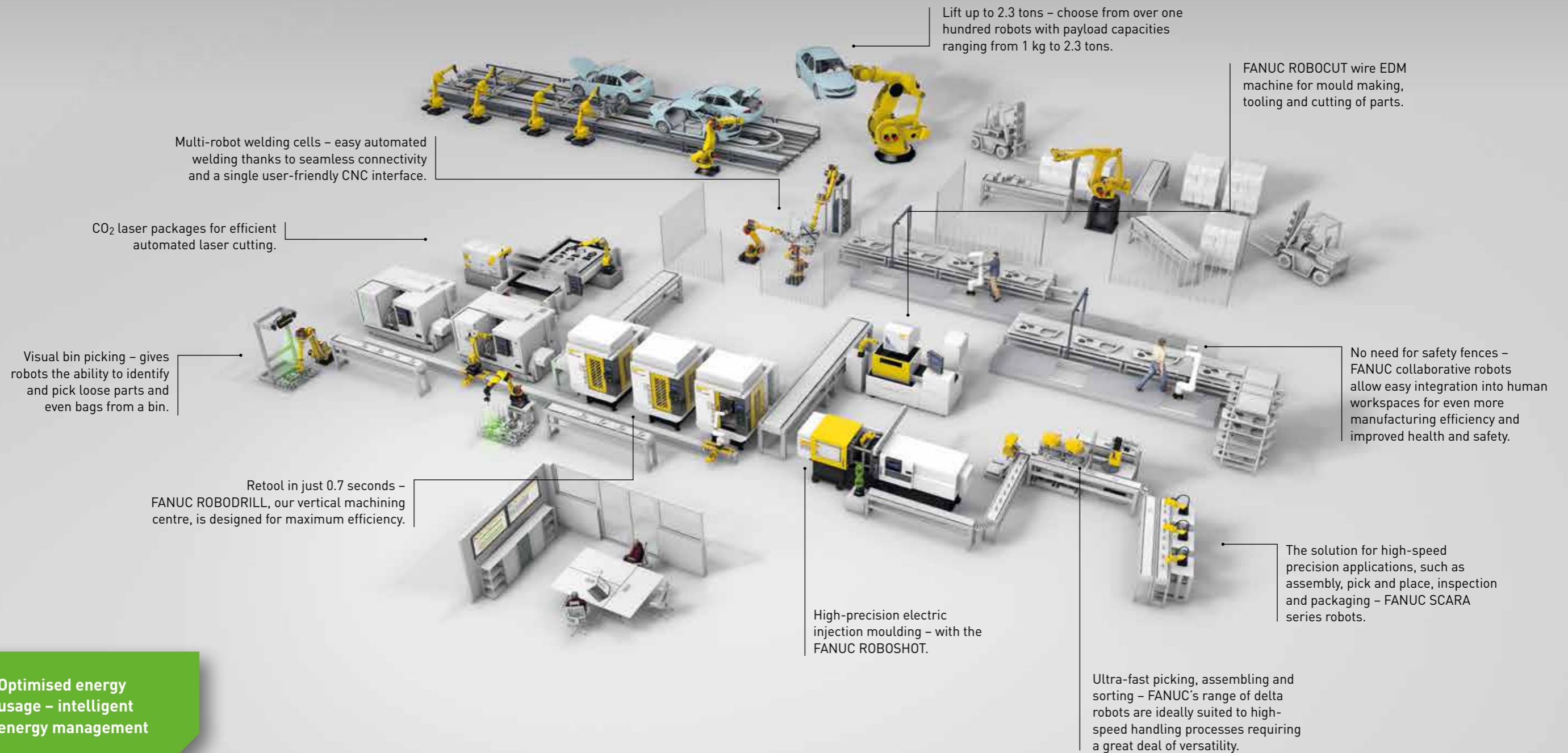
\* status 05/2022



**We use automation ourselves**

FANUC's production capacity is unique. With thousands of robots working day and night to manufacture our products, we have the most automated production facility in the industry. As a result, we clearly understand your needs – supplying you with tried and tested products we know you can rely on.

# intelligent automation – 100% FANUC



Multi-robot welding cells – easy automated welding thanks to seamless connectivity and a single user-friendly CNC interface.

CO<sub>2</sub> laser packages for efficient automated laser cutting.

Visual bin picking – gives robots the ability to identify and pick loose parts and even bags from a bin.

Retool in just 0.7 seconds – FANUC ROBODRILL, our vertical machining centre, is designed for maximum efficiency.

High-precision electric injection moulding – with the FANUC ROBOSHOT.

Ultra-fast picking, assembling and sorting – FANUC's range of delta robots are ideally suited to high-speed handling processes requiring a great deal of versatility.

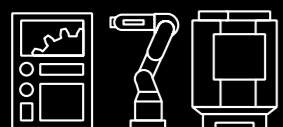
FANUC ROBOCUT wire EDM machine for mould making, tooling and cutting of parts.

No need for safety fences – FANUC collaborative robots allow easy integration into human workspaces for even more manufacturing efficiency and improved health and safety.

The solution for high-speed precision applications, such as assembly, pick and place, inspection and packaging – FANUC SCARA series robots.



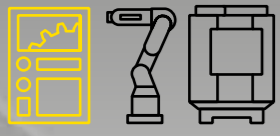
Optimised energy usage – intelligent energy management



With three core product groups, FANUC is the only company in its sector to develop and manufacture all its major components in-house. Every detail, both hardware and software, undergoes stringent quality control checks as part of an optimised chain. Fewer parts and lean technology make FANUC solutions reliable, predictable and easy to repair. They are made to run and provide you with the highest uptime on the market.



All FANUC products – industrial robots, CNC systems and CNC machines – share a common servo and control platform, providing seamless connectivity and making full-automation scenarios really simple. Since all products share common parts, spare parts management with FANUC is fairly efficient. Plus, global standards make it very easy to go international with FANUC.



# Smart CNC systems for all your needs

Boasting the widest range of CNC systems in the industry, FANUC provides everything you will ever need for your CNC – from best-value controls with powerful functionality to high-performance control systems for complex machines. Easy to install, quick to program and easy to use, they guarantee maximum quality and short cycle times.

**FANUC Laser systems** offer CNC, drive systems and CO<sub>2</sub> laser sources in the form of convenient and highly effective interfaced laser packages. Supporting full 2D and 3D cutting technology, this offers a reliable, precise and cost-effective way to cut sheet metal.

FANUC offers a huge range of **drive systems** – all sizes of servo and spindle motors with perfectly matching amplifiers, made to deliver perfect results and outstanding performance.

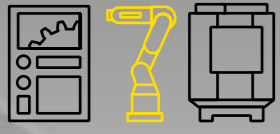


More than  
**50**  
years  
mean time  
between failures\*

\* for Oi-D

More than  
**5.2**  
million  
CNC systems  
installed worldwide

More than  
**26**  
million  
servomotors  
installed worldwide

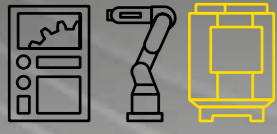


# Top performers for your smart automation

With more than one hundred models, FANUC offers an extremely wide range of industrial robots. They are all easy to operate and provide complete flexibility thanks to a range of application-specific options, straightforward integration, payloads up to 2.3 tons and maximum reaches up to 4.7 m. Plus, our range of collaborative robots provide a completely new approach to collaborative automation.

More than  
**900,000**  
FANUC robots  
installed worldwide





# Productive, precise and reliable



More than

**300,000** ROBODRILL

**78,000** ROBOSHOT

**33,000** ROBOCUT

installed worldwide

**FANUC ROBOSHOT full electric injection moulding machines** take state-of-the-art CNC precision technology from turning and milling and apply it to electric injection moulding. The results are greater acceleration, ultimate precision of movement and extremely short cycle times to produce large quantities of consistently high-quality parts.

**FANUC ROBOCUT wire-cut EDM machines** are versatile all-rounders that deliver pristine surfaces and incredible accuracy. To radically reduce machining times, ROBOCUT threads automatically in just 10 seconds and re-threads in the wire path. With incredibly long mean times between failures, low maintenance, longevity and excellent uptimes, these future-proof machines are designed to save time and drive down unit costs while ensuring superlative cutting efficiency.

**FANUC ROBODRILL vertical machining centres** promise unrivalled quality and precision at great hourly rates. With by far the shortest cycle times on most machining operations, every ROBODRILL model is a real high-speed all-rounder that offers incredible performance and unbeatable efficiency. With a unique tool change time of 0.7 seconds and a turret capable of handling tools weighing up to 4 kg, the advanced versions are both incredibly fast and strong.

# Step ahead to the future



**The Industrial Internet of Things (IIoT)** is revolutionising the manufacturing industry by digitalising production processes and facilitating even greater levels of efficiency. As part of Industry 4.0, IIoT will enable automation solutions to exchange vast amounts of data in real time and improve processes through self-optimisation. Key to these advances are the intelligent sensors, motors and robotics technology that constitute the digital network. FANUC is a key player in adopting and promoting these technologies.

**To visualise data and perform the deep analysis required to optimise processes, automation solutions are networked via IIoT.**

This results in smart factories in which the intelligent control of equipment creates efficient and optimised processes and makes it possible to develop and execute high-performance applications that were previously difficult to realise, such as overall optimisation, adaptive control and the automation of complex tasks.



## Connect

Connect various devices and collect plant data across a range of manufacturers and generations.



## Visualise

Monitor and visualise data on your machinery and its status.



## Analyse

Proactively detect potential issues and enact countermeasures before costly downtime occurs.



## Optimise

Review operational results at machine level and compare production results with the production plan to optimise your factory resource planning.

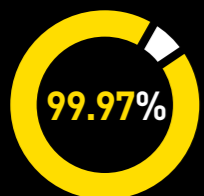


# Global power

## Service first

With a global network covering every continent and more than 260 local offices, we are always there to meet your needs quickly and effectively, whenever you need us. In Europe, our extensive network of subsidiaries provides sales, technical, logistics and service support throughout the continent. That way you can be sure to have a local contact that always speaks your language.

Our open-minded and passionate team understands your needs – guiding you through your first steps in automation and providing support throughout the lifetime of your machine. Let's strive to improve your productivity!



spare parts availability

# 24/7

support

[WWW.FANUC.EU/SERVICE](http://WWW.FANUC.EU/SERVICE)

### OEM spare parts

As long as your machine is in service we will provide you with original spare parts.

### Efficient training

The FANUC Academy offers everything you need to upskill your teams and increase productivity – from introductory programs for beginners to courses tailored to the needs of expert users and specific applications.

**Service First** 

# That's FANUC!

## Reliable

This is one of our core assets. FANUC products have made a name for themselves as the most reliable on the market. They are built to run.

## Predictable

FANUC products and the people behind them deliver what they promise. As a result, our customers can plan and manage production processes with incredible accuracy.

## Easy to repair

All FANUC products are easy to maintain. We promise to provide lifetime service and spare parts for machines up to 40 years old.

60  
years of  
experience



One  
dedicated  
contact



More than  
30 million products  
installed worldwide



Product  
life cycle  
support



Strong  
partnership



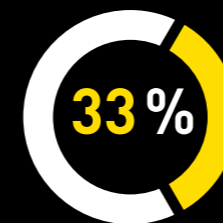
↑ 8,200  
employees  
worldwide



Dedicated  
know-how



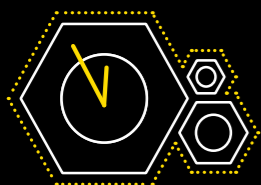
One  
FANUC



1 R&D engineer  
to every  
2 members of staff



Easy  
customisation



Lifetime  
spare parts supply  
guaranteed

**Service First**   
worldwide



Passion for  
innovation  
that works



260 locations  
supporting  
107 countries

# One common servo and control platform – Infinite opportunities THAT'S FANUC!



## **FA**

CNCs,  
Servo Motors  
and Lasers

## **ROBOTS**

Industrial Robots,  
Accessories  
and Software

## **ROBOCUT**

CNC Wire-Cut  
Electric Discharge  
Machines

## **ROBODRILL**

Compact  
CNC Machining  
Centres

## **ROBOSHOT**

Electric CNC  
Injection Moulding  
Machines

## **IoT**

Industry 4.0  
solutions