

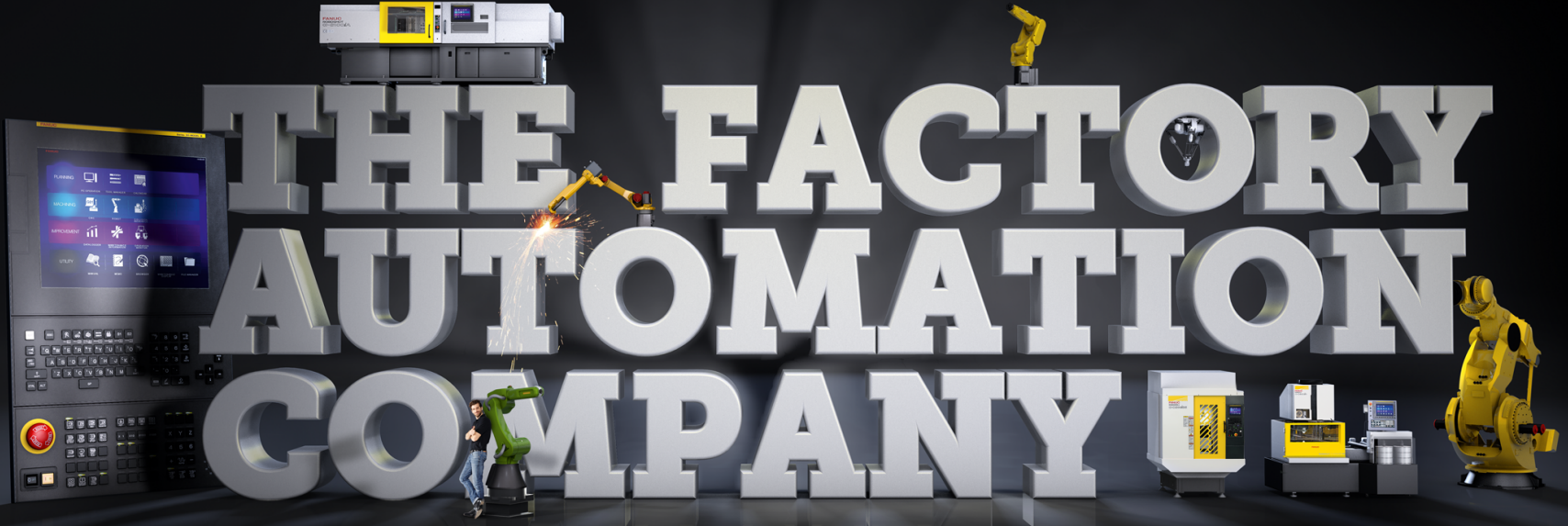
FANUC

THE FACTORY AUTOMATION COMPANY



Who is **FANUC**?

THE FACTORY AUTOMATION COMPANY



FANUC surrounds you

AEROSPACE

CONSTRUCTION

GLASS

ENERGY

METAL

DIE & MOULD

FOOD

AUTOMOTIVE

SHEET METAL

MEDICAL &
PHARMACEUTICALS

TEXTILE

ELECTRONICS

AGRICULTURE

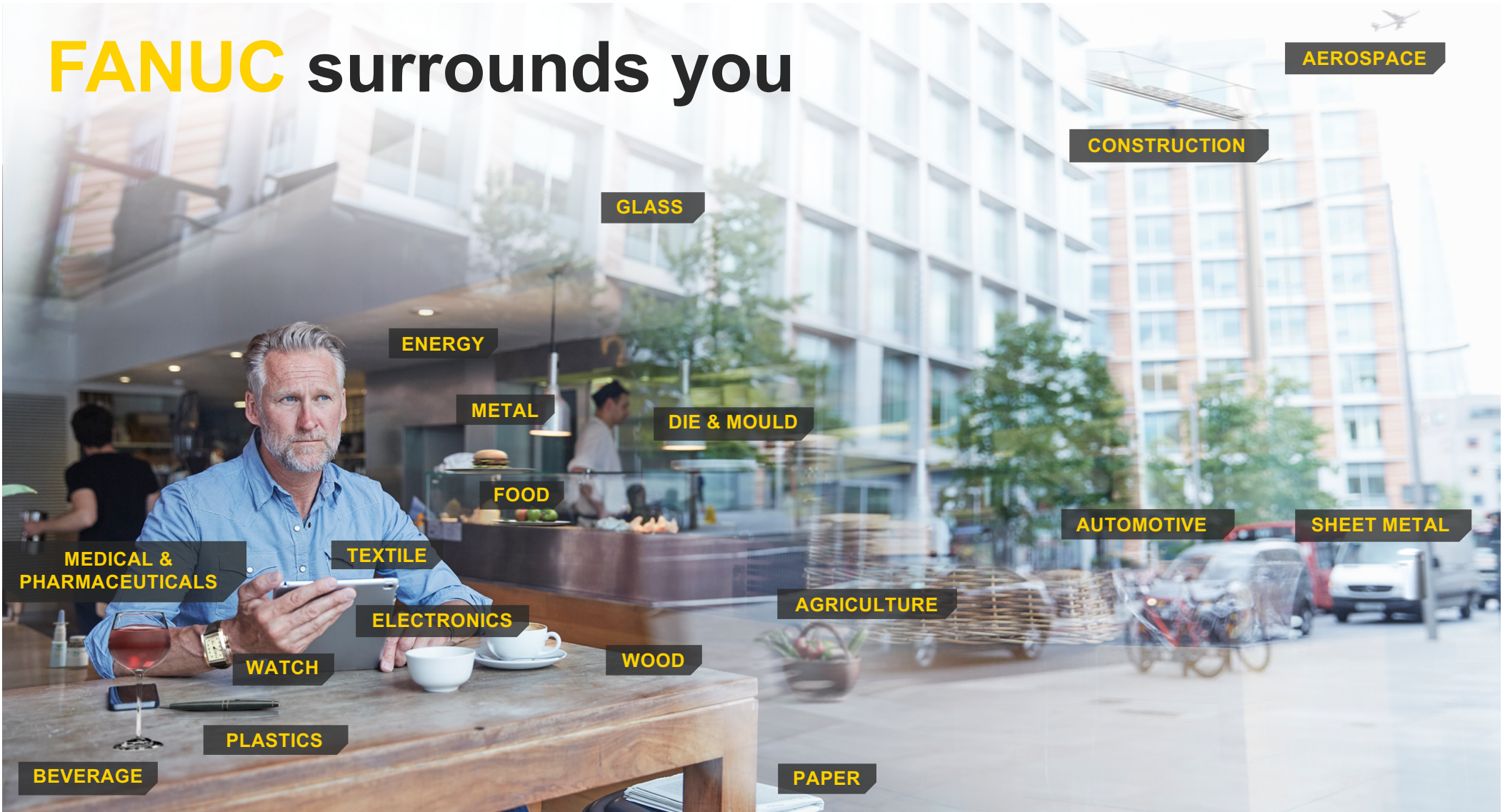
WATCH

WOOD

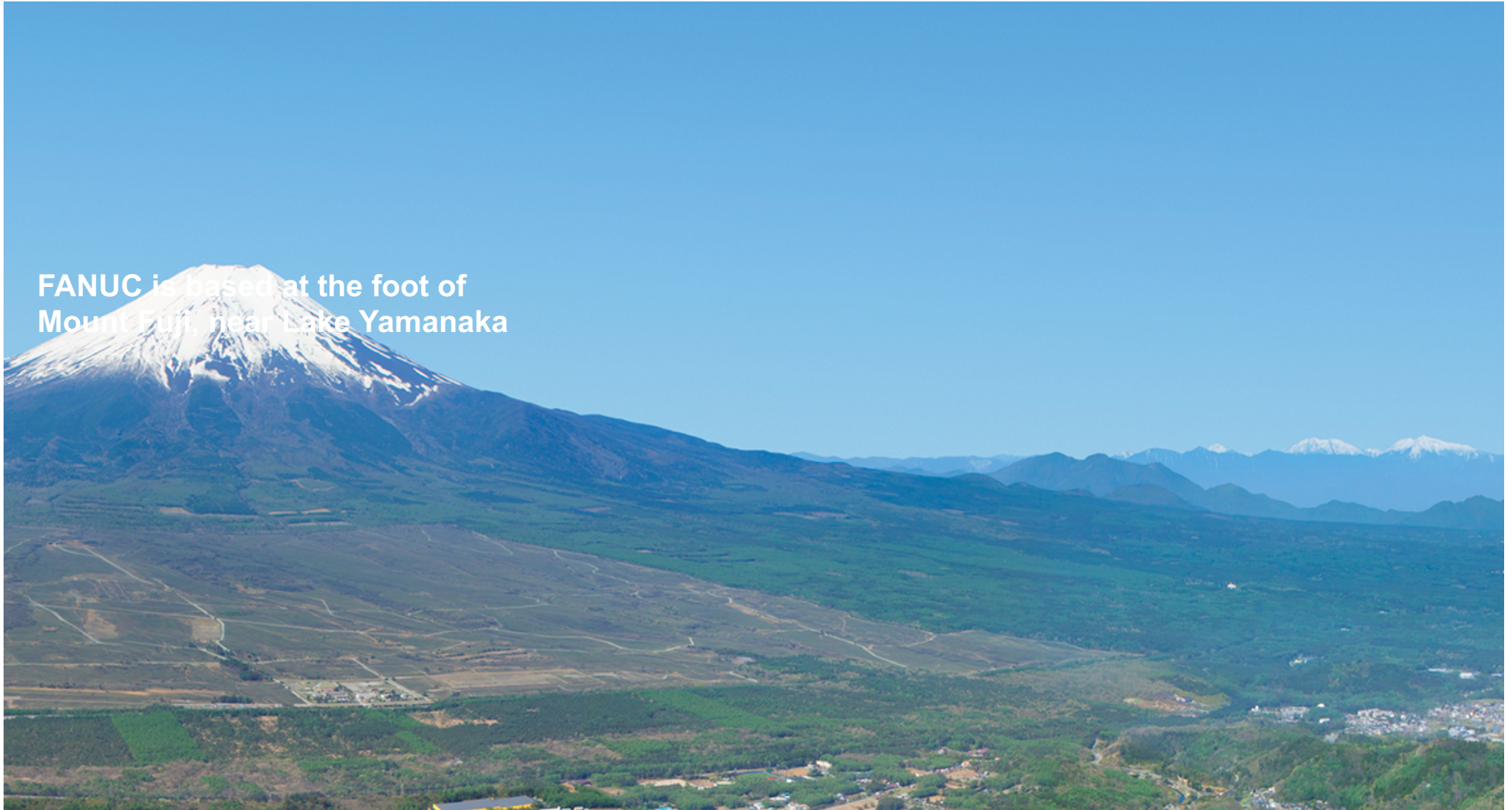
PLASTICS

BEVERAGE

PAPER



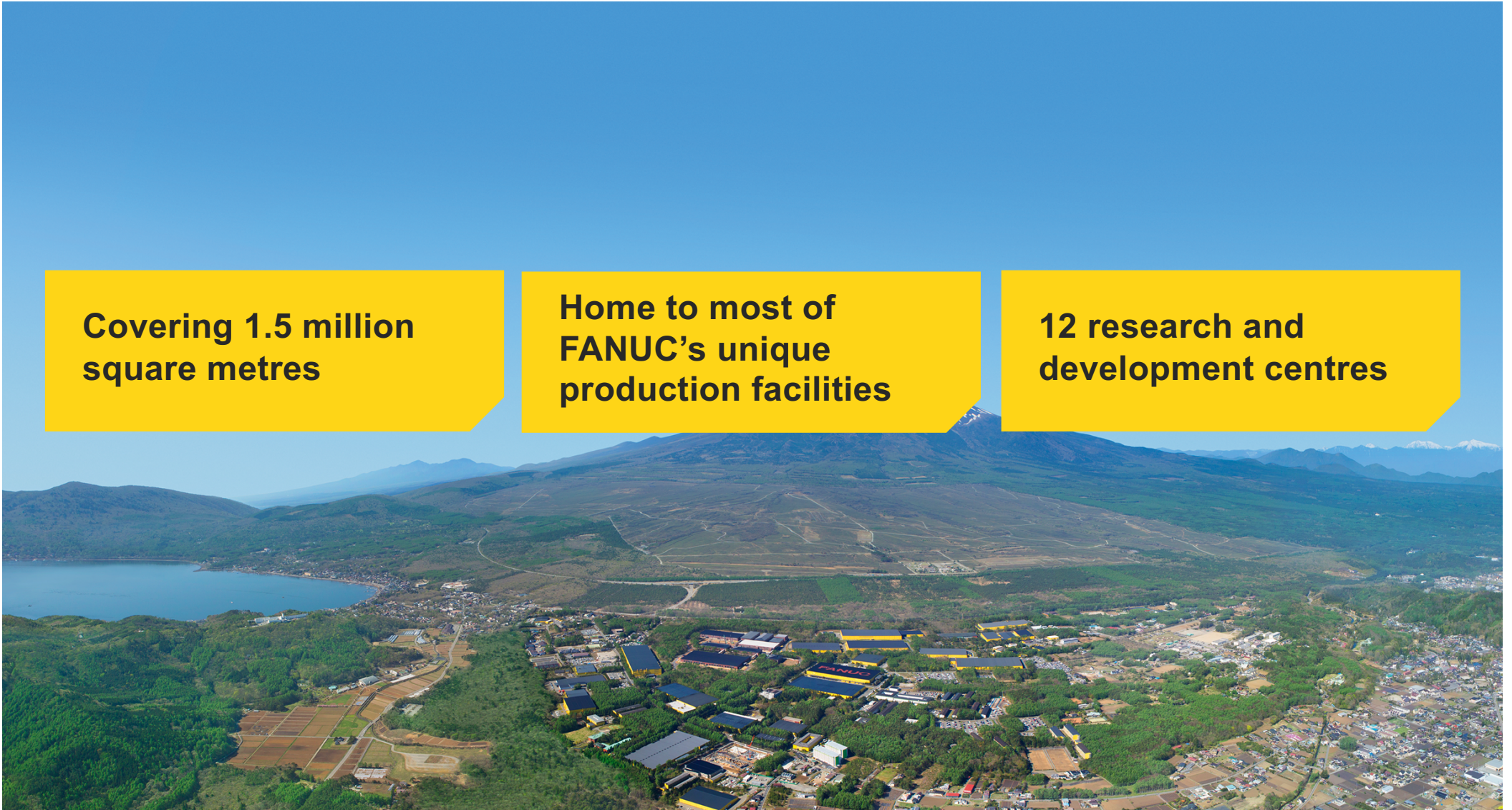
**FANUC is based at the foot of
Mount Fuji, near Lake Yamanaka**



**Covering 1.5 million
square metres**

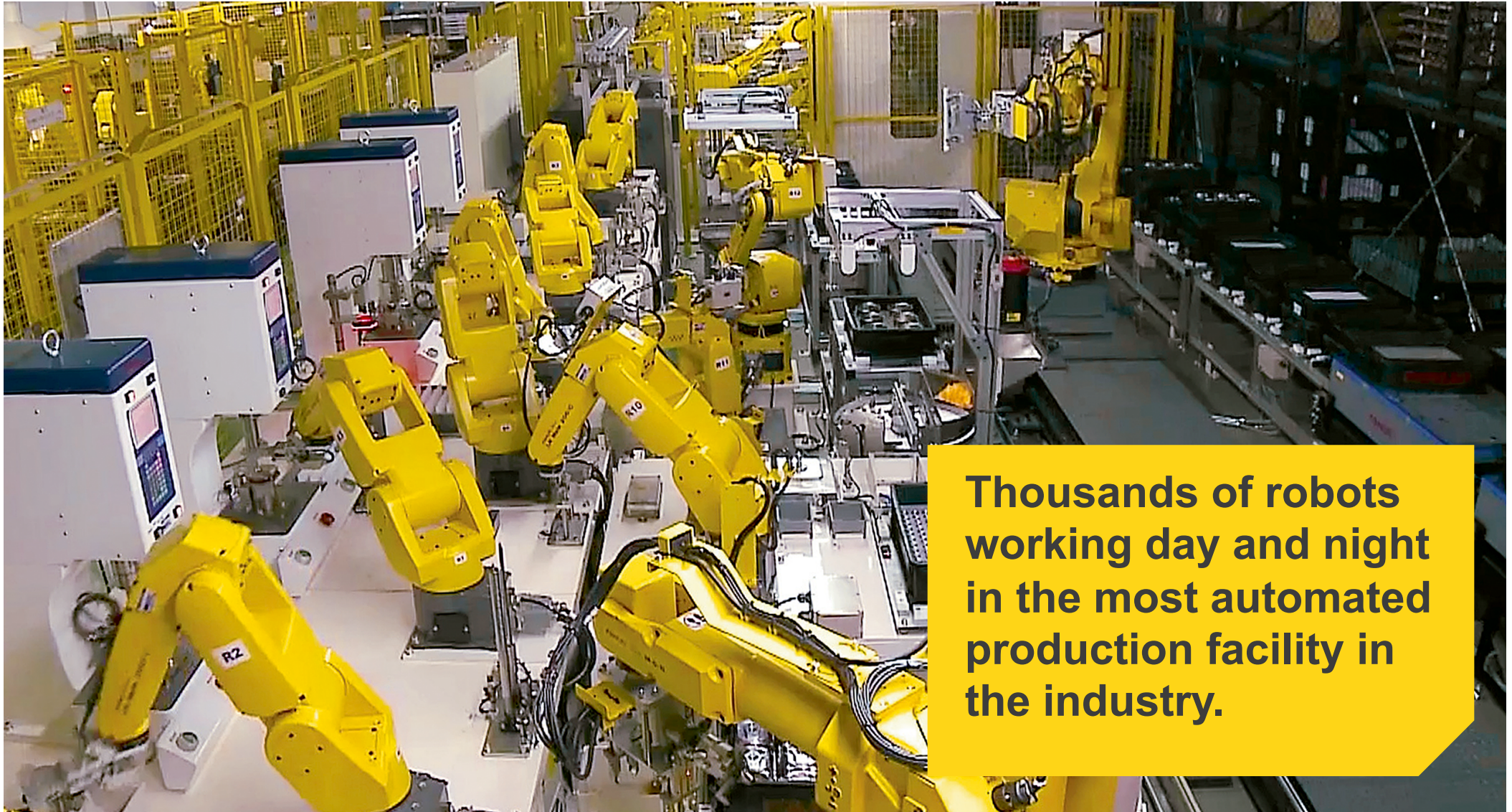
**Home to most of
FANUC's unique
production facilities**

**12 research and
development centres**



**We use
automation
ourselves**






Thousands of robots working day and night in the most automated production facility in the industry.

We understand your needs

**We supply you with tried and tested products
we know you can rely on**

The common platform

A large industrial machine, likely a CNC lathe or mill, is shown in a factory setting. The machine is white and features a prominent yellow robotic arm on the left side. A control panel with a screen and buttons is visible in the center. The background shows the complex metal structure of a factory ceiling.

The brain

- 60 years of experience in the continuous technological evolution of the CNC
- world leader in the CNC market

The arms

FANUC offers the most Robot range on the market which includes:

- the strongest robot in the world
- the smallest robot in the world
- the strongest collaborative robot in the world

The muscles

Our drives transform CNC controls into precise robot or machine movements

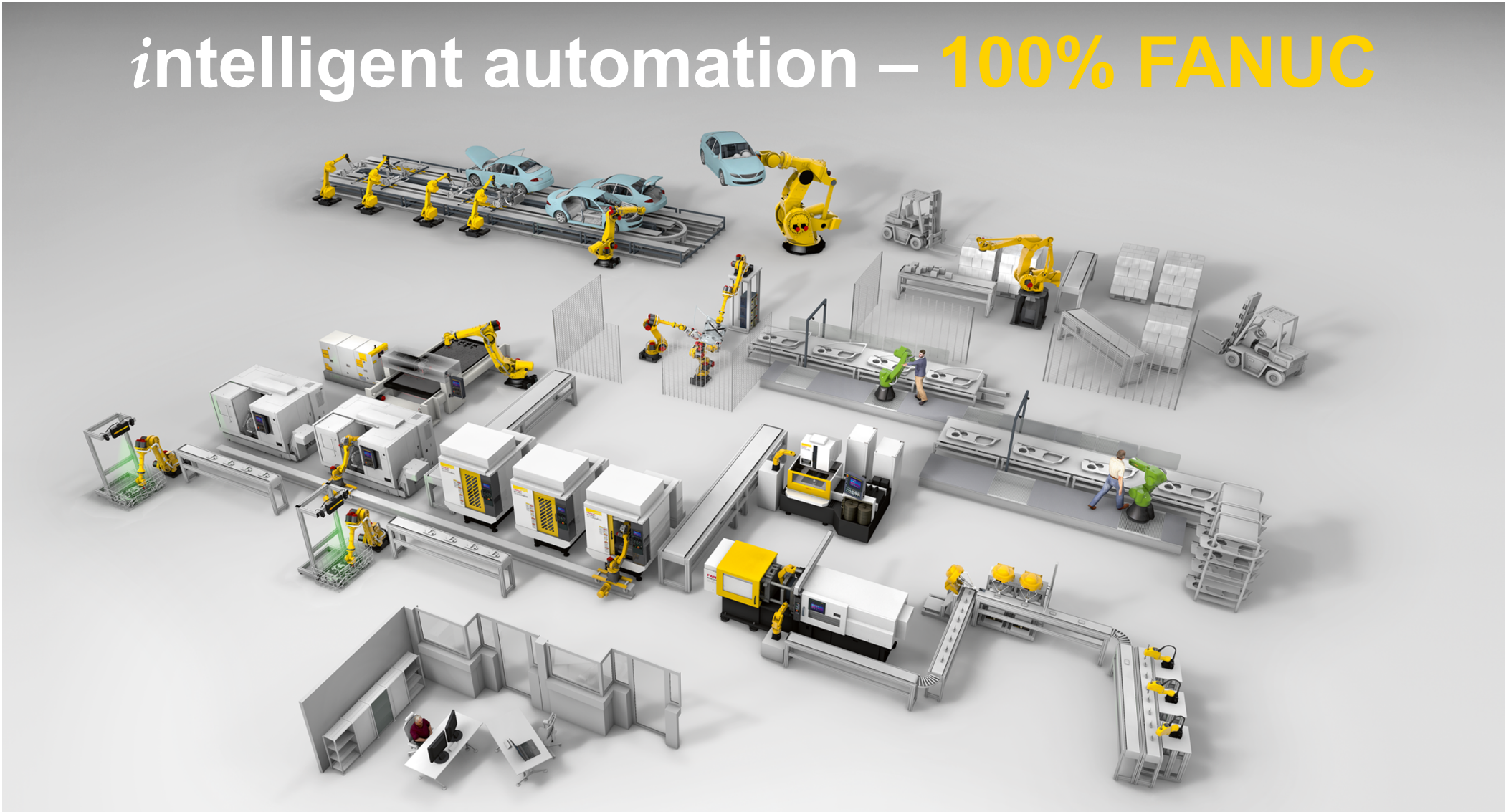
- the widest range on the market
- different size of servo motors and spindle motors
- high performance packages with perfectly matched amplifiers

Intelligence IIOT

FANUC has designed an IIOT platform called FIELD system

- connects all types of machines
- also connects robots or machining centers of different generations and different manufacturers
- decisive step towards the Smart Factory

intelligent automation – 100% FANUC



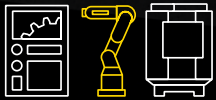


Smart CNC systems for all your needs

From best-value controls to high-performance control systems for complex machines

- the widest range in industry
- easy to install, quick to program and easy to use
- maximum quality and short cycle times
- more than 4.2 million CNC systems installed worldwide





Top performers for your smart automation



With more than one hundred models, FANUC offers an extremely wide range of industrial robots – and provides a completely new approach to collaborative automation

- payloads up to 2.3 tons
- maximum reaches up to 4.7 m
- easy integration and operation
- wide range of application-specific options
- 590,000 FANUC robots installed worldwide

Last news ROBOT | range CRX



Machine tending
and parts
inspections also
with
Easy Cell



New solutions



CRX-5iA
• Payload: 5 kg
• Reach : 994 mm

CRX-10iA
• Payload: 10 kg
• Reach : 1249 mm

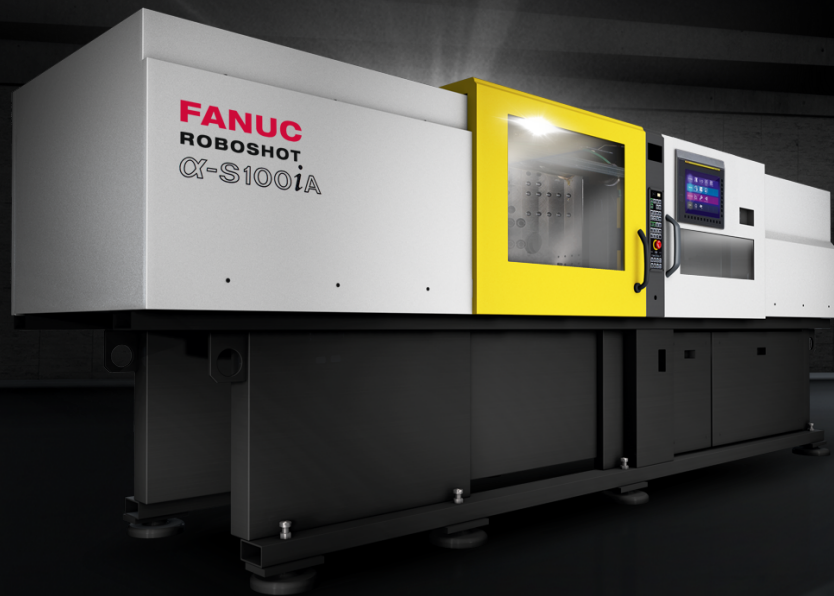
CRX-10iA/L
• Payload: 10 kg
• Reach : 1418 mm

CRX-20iA/L
• Payload 10 kg
• Reach : 1418 mm

CRX-25iA
• Payload: 25 kg
• Reach : 1889 mm



**Productive,
precise and reliable**



Last news | IoT

CONNECT
Connects devices from various manufacturers and various models from different generations
Products FANUC

MONITOR
Monitoring, analysis and improvement
Robot

THINKS
Connects PLC UA automation and to optimize production
DRIVE
Manage and control machine equipment of the machine in real time



Production Monitoring & Analysis
An application to analyze factory processes and improve productivity



Zero Down Time
An application to reduce time unexpected downtime of production devices



APPLICATIONS TO SUPPORT MANUFACTURING SITES

Not only FANUC but also application developers who actually use can develop the necessary applications in the FIELD system



FIELD system Store
Once applications and converters to be used on the FIELD system pass the review process conducted by FANUC, they are FIELD Store system and can be purchased, downloaded and installed



FANUC

The **SKILLS** required in the field of
automation for the technicians of tomorrow

The future of work



85%

of Italian companies
want to increase
the workforce in
automation

Most requested
jobs by
2025

- Repair mechanics
- **Robotics technicians**
- STEM

43%

of Italian companies
are accelerating the
processes of
automation

Professions in industrial automation

Robot Designer

**Robot Systems
Integrator**

Final User

The robots

A robot is a set of:

- Mechanics
- Automation
- Industrial computer science
- CNC

To work with robotics you must know how to:

Design

Integrate

Program

Manage
production lines

Modulate



Organization of Customer Support



Sales

Sales and direct customer support (SH/MTB/end user)



Application and technical support

Advice and technical support before and after the sale for optimal use of the most advanced products and features



Service

After the sale, services of remote technical support, preventive maintenance, warranty extension, repair and spare parts orderable 24/7



Customization

Customization of standards product by request of the client



Logistic

Sending customized products and spare parts directly from the Fanuc Italy warehouse



BD&C

Support in different communication activities: digital, fairs and events



FANUC Academy

A wide range of training programs to improve skills and increase productivity

FANUC Career opportunities



**International
career
opportunities
@FANUC**

Have a look at the job ads
and get in touch with HR to
discuss your possible next
career step!

Account Manager Robotics - FANUC Italy

NEW

Duration: permanent | Place of work: FANUC
ITALY MILAN

FANUC Italy is looking for an Account Manager
Robotics, have a look at this great opportunity and
join FANUC team!

Find Out More [➤](#)

Customer Service Sales Representative

NEW

Duration: permanent | Place of work: Milan |
Starting from: 12/2020

FANUC Italy is looking for a Customer Service Sales
Representative, have a look at this great opportunity
and join FANUC team!

Find Out More [➤](#)

FIELD SERVICE ENGINEER ROBOTICS - FANUC Italy

NEW

Duration: permanent | Place of work: Bologna

FANUC Italy is looking for a FIELD Service Engineer
Robotics (based in Bologna), have a look at this great
opportunity and join FANUC team!

Find Out More [➤](#)

<https://www.fanuc.eu/it/it/chi-siamo/risorse-umane/career-opportunities>

Requirements and soft skills

Requirements/Soft skills beyond technical knowledge and expertise for an Application Engineer

- High school diploma Mechanical-Electronics Engineering or similar
- Understanding of software programming theory and practice
- Good spoken and written English
- Good presence and ability to communicate to all kind of representatives
- Understanding of factory automation processes and functionality
- Ability to work autonomously as well as in a team
- Good comprehension and ability to analyse and solve problems
- Self- motivated, results oriented, mindedness and independent personality

Requirements and soft skills

Requirements/Soft skills beyond technical knowledge and expertise for a Field Service Engineer

- High school diploma Mechanical-Electronics or similar
- Good spoken and written English is mandatory
- Good comprehension and ability to analyze and solve problems
- Self- motivated, results oriented, mindedness and independent personality

FANUC continuous technical training

Internal technical training courses both for new hires and for continuous training at

Japanese Headquarter



German Neuhausen



FANUC Italy


School & Education

Collaborations

Istituto Cigna-Baruffi-Garelli
CINQUE ANNI SPESI BENE

 **Istituto Tecnico Industriale
Eugenio Barsanti**
Pomigliano d'Arco (Na)

 **Salesiani
DON BOSCO**
ARESE

 **ISTITUTO SUPERIORE STATALE
'GIORGI-FERMI'**

 **I.T.S. LOMBARDIA
meccatronica**

CNOSFAP
Regione Piemonte

 **Rebaudengo**
SALESIANI DON BOSCO
TORINO

 **FORAZ**
CONSORZIO INTERAZIENDALE
PER LA FORMAZIONE PROFESSIONALE

 Istituto Tecnico Superiore
ITS
MOBILITÀ SOSTENIBILE.
AEROSPAZIO/MECCATRONICA

 **UNIVERSITÀ
DEGLI STUDI
DI BRESCIA**

 **cfp cemon**



 **CIOFS-FP**

 **UNIVERSITÀ
POLITECNICA
DELLE MARCHE**

 **CAMERA DI COMMERCIO,
INDUSTRIA, ARTIGIANATO
E AGRICOLTURA DI BOLZANO**

!DEATIVA
SPIN-OFF OF UNIMORE

 **IIS "MARZOTTO-LUZZATTI" - VALDAGNO**
TECNOLOGICO - ECONOMICO - PROFESSIONALE

FANUC and Schools relationships – Some distinctive examples



- Partner from 2019
- FANUC Italy yearly allocates resources to host several trainings for the students and also offers job places for internship



- Active relationships with several CNOS FAP institutes
- With Piemonte we are working to add Robot System Integrator Skill at the next Worldskills competitions



- FANUC has been teaching robotics module

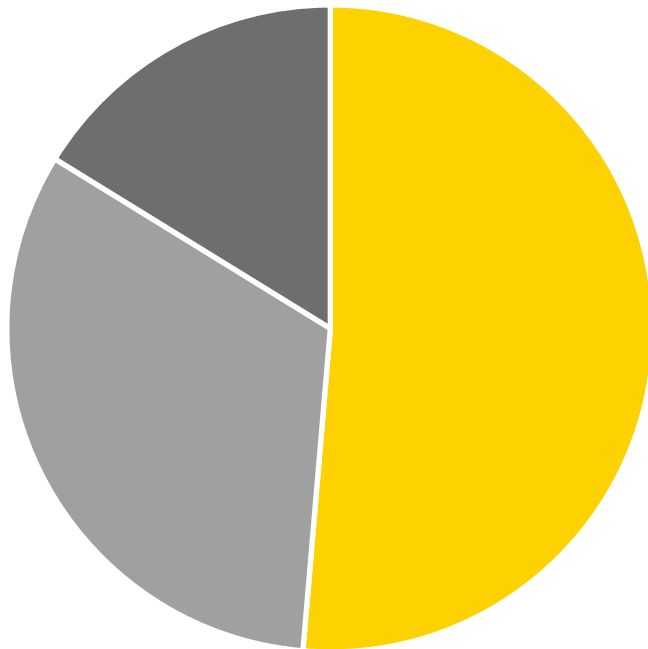


UNIVERSITÀ
DEGLI STUDI
DI BRESCIA

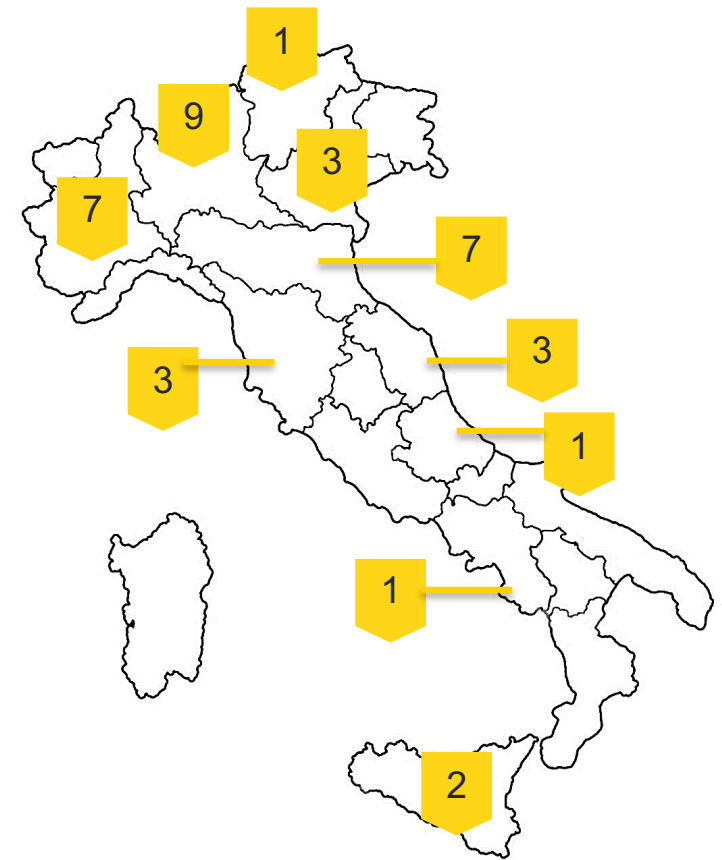
- FANUC is holding seminars about robotic cells programming since 2018

FANUC products installed in schools per type and region

School type



- Istituto
- Scuola Privata
- Università

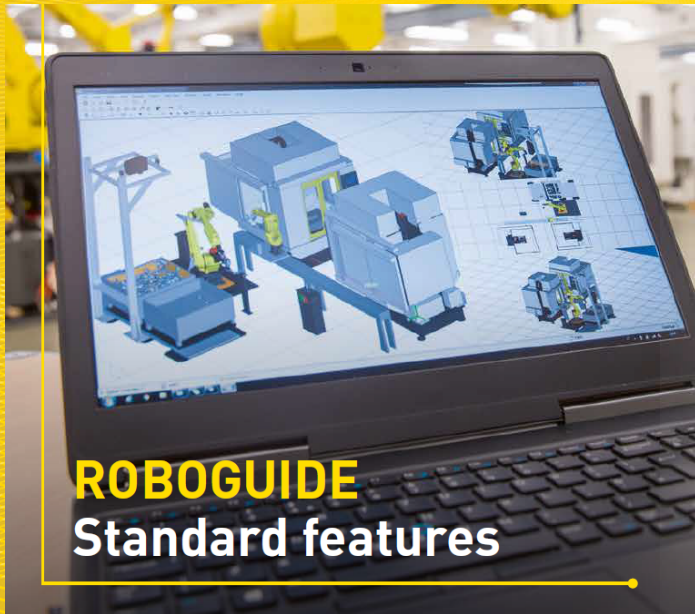


FANUC Educational Products



EDUCATIONAL ROBOT CELLS
robotics expertise
for schools and universities

FANUC Educational Products



3D ROBOT SIMULATION SOFTWARE ROBOGUIDE

FANUC ROBOGUIDE is an offline simulation package that simulates both the robot's motion and application commands, significantly reducing the time it takes to create new motion setups.

FANUC Educational Products



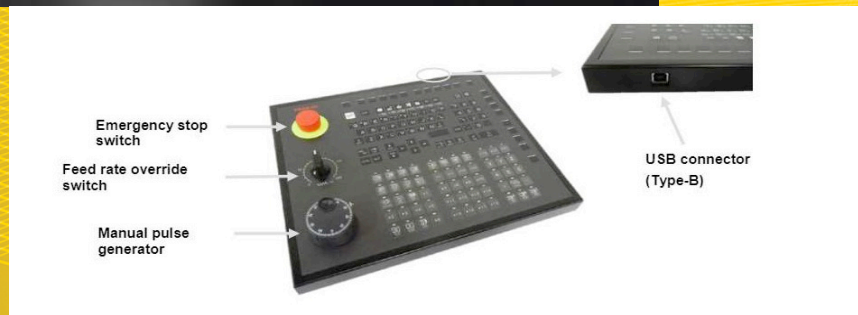
CNC GUIDE Education Package

The CNC GUIDE Education Package offers the possibility to perform CNC operation training on the PC.

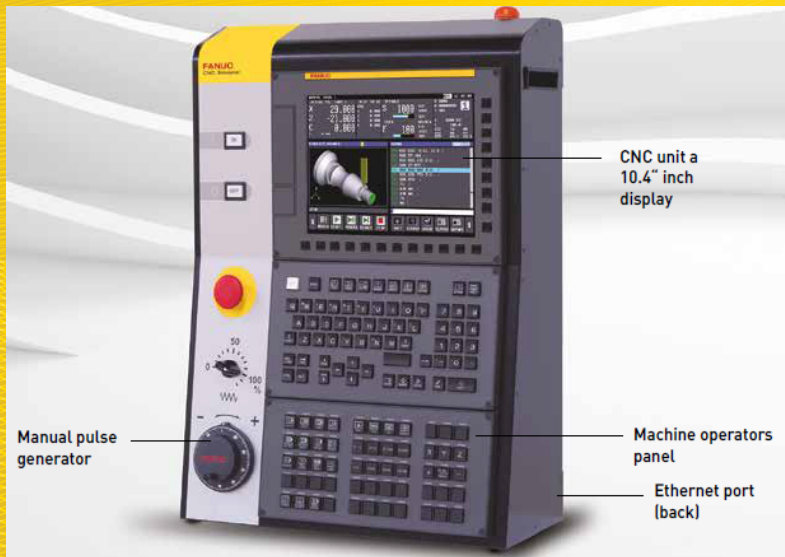
It is possible to learn CNC operation without using the actual machining tool.

MOP

CNC interface simulator connectable to a PC via USB.



FANUC Educational Products



CNC Simulator

CNC expertise for schools and universities

All the core skills contained in a dedicated CNC unit.

FANUC Educational Products



ROBODRILL+CRX

We have combined the ROBODRILL vertical machining center with our newest CRX-10iA collaborative robot, so as to allow young people to simulate production processes real with Machine Tools.

FANUC Italy Academy

Robotics training for teachers

EDU01R – Fundamentals of robotics programming

2 days of basic programming of FANUC robotics for educators and teachers using our Education Robotic Cell

EDU02R – Robot programming with simulation software ROBOGUIDE

1 day of practice with simulation software ROBOGUIDE HandlingPro

EDU03R – iRVision system

1 day of practice with iRVision system for educator and teachers



FANUC Italy Academy

CNC training for teachers



EDU01F – CNC operator interface with CNC Guide

1 day of practice on FANUC CNC for educators and teachers using CNC Guide



EDU02F – ISO programming for teachers

2 days of training in ISO programming using CNC Guide and CNC simulators

FANUC

Worldskills Italy

Worldskills Piemonte

First time Robot System Integrator competition in Italy!



➤ Agreement between:

- APL Agenzia Piemonte Lavoro
- Worldskills Piemonte
- Worldskills Italy
- FANUC Italy



➤ Worldskills Piemonte (Turin, Nov, 30th-Dec, 1st 2022)

➤ Access to Euroskills 2023 and Worldskills Italy (Bolzano, 2023)



Participations

- team with 2 members + 2 backups
- Deadline for subscriptions: October, 14th
- Requirements: boys/girls between 17 and 23 years old and proficiency in English

- All competitors will be trained by FANUC on the competition topics
- Only 5 places: if more than 5 teams subscribe to the competition, FANUC will evaluate the best 5 teams for the final competition in Worldskills Piemonte



worldskillsItaly
Piemonte 2022

Campionati dei mestieri

NOVEMBRE - DICEMBRE 2022

Partecipa alla prossima edizione

ISCRIVITI





The FANUC logo is displayed in a yellow, rounded rectangular box with a slight shadow. The word "FANUC" is written in a bold, red, sans-serif font. The background of the entire image is a dark, abstract scene with light trails in various colors (red, blue, white, yellow) radiating from a central point, creating a sense of motion and depth.

FANUC

**Let's strive to improve
your productivity!**

Thank you!

We reserve the right to make
technical changes without prior
announcement. All rights reserved.

© 2019 FANUC Europe Corporation

www.fanuc.eu