

THE FACTORY AUTOMATION COMPANY

FANUC

ROBOSHOT α -SiA series

High Precision Electric Injection Moulding

FANUC
ROBOSHOT
 α -Si1001A



WWW.FANUC.EU

**Highest precision
and reliability**

Enter the efficiency zone!

FANUC designs efficiency for your production processes in the form of CNC systems, drives, robots and production machines. All produced in one of the most highly automated factories in the world. Ready to integrate and backed by unrivalled support and service. It's how we give you a competitive edge. **Manufactured Efficiency for productivity to go.**

Efficient products

All FANUC products involve manufactured efficiency. Fewer parts and lean technology make them reliable, predictable and easy to repair. They are made to run and provide you with the highest uptime on the market.

Efficient innovations

Manufactured efficiency is also at the heart of every FANUC innovation. Based on proven FANUC technologies, this is designed to increase the efficiency of your production facilities.

Efficient support and service

FANUC support and service is about manufactured efficiency too. We listen carefully to your needs and deliver on our promises. We also take care of our products as long as they are in service. Personal and responsive, we help you achieve maximum efficiency.

FANUC is the factory automation specialist

We've been automation experts for almost 60 years. With more than 20 million FANUC products operating worldwide – including 420,000 FANUC Robots, 51,000 ROBOSHOT, 3.5 million FANUC CNCs and 16 million FANUC servomotors – we think our track record speaks for itself.*



CNC precision for higher productivity

With some 16 million servomotors and 3.5 million CNC controls installed worldwide, we are not only the world's biggest producer of motors but also experts in servo technology and tooling. Long proven in FANUC machining centres, FANUC employs this same state-of-the-art CNC technology in ROBOSHOT to provide an unrivalled electric injection moulding solution. The results are huge versatility, utmost precision of movement and extremely short cycle times to produce larger quantities of consistently high-quality parts.

Your benefits with FANUC ROBOSHOT:

- maximum precision
- proven reliability
- excellent repeatability
- ultimate process control
- very low maintenance



MANUFACTURED EFFICIENCY

Perfection from your mould!

Mould validation represents an essential part of FANUC's extensive range of services and is conducted in our especially equipped technical centres. Just show us your mould and we will show you what ROBOSHOT can do with it. Always there when you need us, passionate and committed, we are your partner of choice when it comes to a wide range of injection moulding applications.

That's Manufactured Efficiency.

30 years of
ROBOSHOT
technology



In-house servo technology makes the difference

ROBOSHOT's movements are entirely controlled by FANUC designed and built CNC controlled servo drives. This not only results in the fastest acceleration on the market but – in order to ensure ultimate accuracy and exceptional reliability across all processes – highly precise motion, position and pressure control as well.

Electrically driven axes

Every FANUC ROBOSHOT comes with 4 servomotors as standard. Additional servomotors can be added as options. This enables separate control of ROBOSHOT's movements – clamp opening and closing, ejector, screw, and injection – and results in a highly precise and stable process.

World-beating CNC reliability

Drawing on 60 years of continuous development, the centrepiece of the FANUC ROBOSHOT is the most reliable CNC control in the world. User friendly and featuring all the standard interfaces, it delivers fast processing times and consistent parts quality.

Extremely consistent injection moulding

with minimal weight deviation thanks to:

- precise V-P switchover
- precise pressure control in 1 bar steps
- precise temperature control in 0.1 °C steps
- precise AI pressure profile control
- precise metering control functions

Very low maintenance costs – maximum machine uptime, fewer components and less wear



MANUFACTURED EFFICIENCY Versatile clamp unit

ROBOSHOT's versatile clamp unit features generous tie bar spacing as well as auto die-height and optional extended die height functions. The automatic clamp force optimisation checks and automatically adjusts minimum clamp force, giving you increased security and eliminating the need to adjust the clamp force manually.

Other clamp unit features include:

- 5 point toggle mechanism
- very rigid platens
- ball drive ejector system
- optional linear guide rails

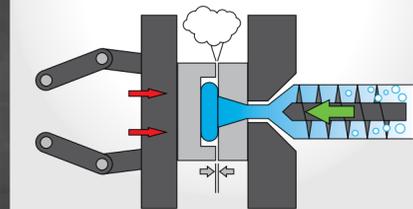
MANUFACTURED EFFICIENCY High-performance injection unit

ROBOSHOT's injection unit features an AI Metering Control that uses torque rather than speed control to achieve a variable screw rotation speed. Its AI Backflow Monitor shows what is happening inside the valve, so you can monitor the closing characteristics as well as the wear status of the check ring. The AI Pressure Trace controls the pressure curve to ensure stable injection moulding even if an internal violation occurs. Additional horizontal and vertical injection units can also be added to the ROBOSHOT for multi-component moulding.

Other ROBOSHOT injection unit features include:

- position control in 1 micro steps
- flexible range of screws and barrels

MANUFACTURED EFFICIENCY Sensitive FANUC CNC controlled pre-injection



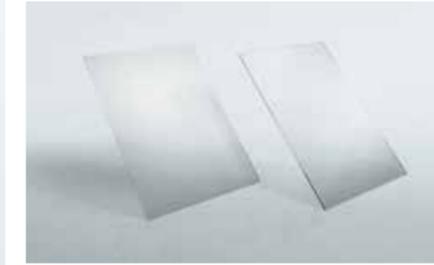
Just right for sophisticated tasks such as the production of light guides and providing a reliable solution for air venting over the parting line, ROBOSHOT's pre-injection functionality enables the time between the beginning of injection moulding and clamping force build-up to be determined freely.

Versatile machinery for all applications

With models capable of exerting clamping forces from 150 kN to 3500 kN, FANUC ROBOSHOT is ideally suited to a diverse range of straightforward as well as sophisticated injection moulding tasks. Offering huge versatility, ROBOSHOT's unique strength is the freedom it provides you to produce almost anything using just one machine – whether that be delicate items such as camera lenses to products, such as battery cases, that require high levels of exertive force to produce. What is more, thanks to its high level of specification, even standard ROBOSHOT machines can be used to produce specialised items such as micro components, casings and even metal and ceramic parts.



High precision moulding



Thin wall moulding



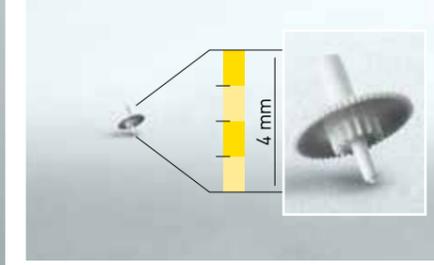
Multi component moulding



Precise moulding



MIM/CIM



Micro-injection moulding



LSR moulding

FANUC ROBOSHOT for the Automotive industry

With a host of functions designed specifically to resolve the issues – such as gas venting or variations in plasticising time and volume – that can impact the production of automotive parts, FANUC ROBOSHOT is ideally suited the large scale manufacture of automotive parts. The most reliable machine on the market, ROBOSHOT will just keep on producing flawless parts over the long term, delivering excellent cycle times and requiring minimum maintenance. Repeatability is also in a class of its own, with the machine delivering exactly the same quality after 50,000 cycles as it did on the first shot. What is more, because production runs in the automotive industry change frequently, ROBOSHOT comes with 6 different screw sizes, providing you with the power to adapt and enjoy outstanding versatility from a single machine.

High-duty injection units for long holding times

The production of thick-walled automotive parts, such as POM components for vehicle safety systems, often requires machines to be capable of long holding times. ROBOSHOT is available with high-duty injection units that are ideally suited to the production of these kinds of components.

Quality assurance and traceability made easy

For full transparency and superior quality management, ROBOSHOT comes with up to 16 Multi Cavity Pressure Channels, cavity balance monitoring and historical data collection. To save money, ensure easier operation and minimise external components, monitoring is done via the CNC. You just select the required part quality.

Hydraulic and fully integrated servo cores

Automotive parts frequently require cores. For these kinds of applications, ROBOSHOT is also available with hydraulic and fully CNC controlled servo cores.

Optimal networking using Euromap 63

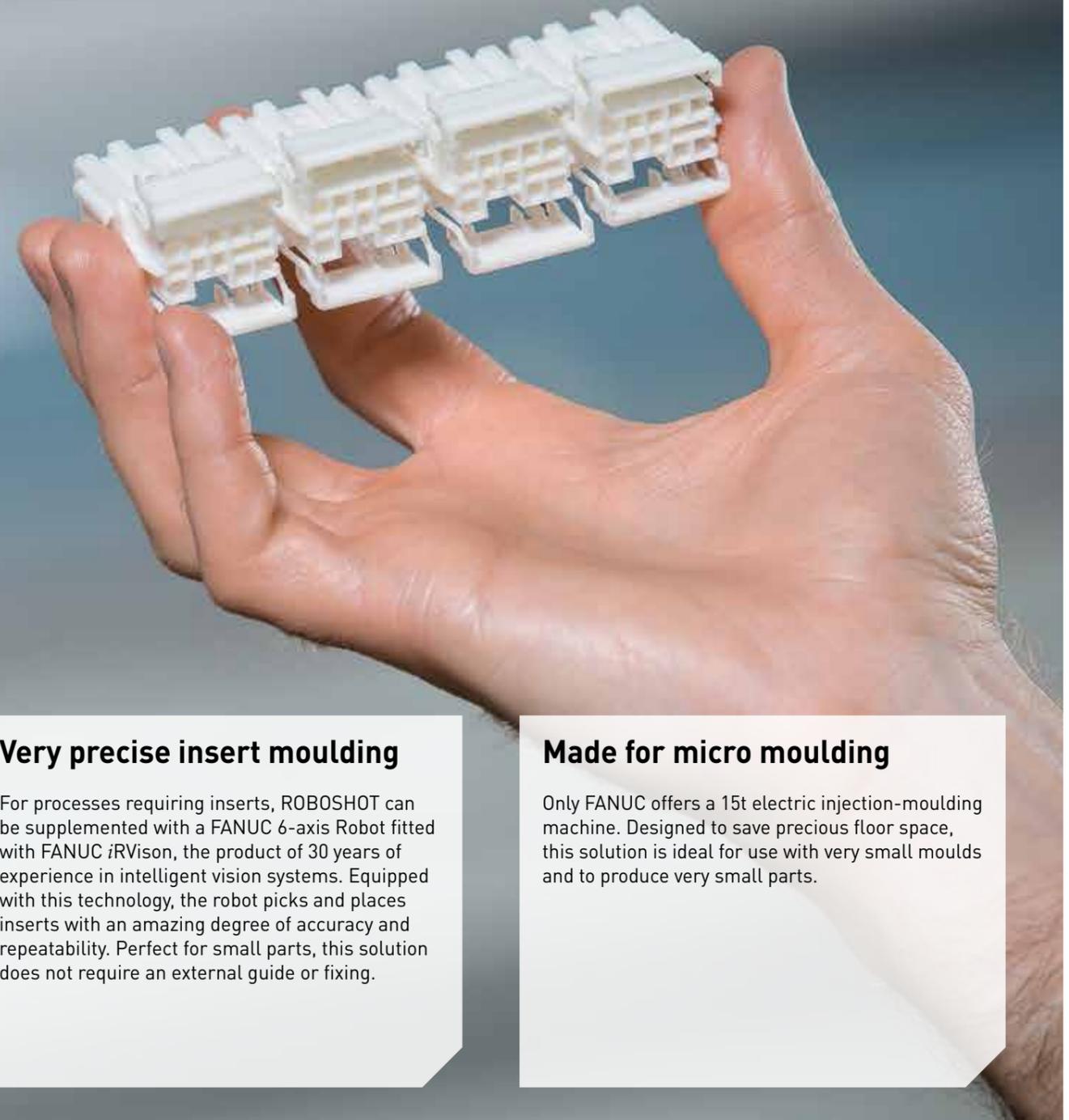
Euromap 63 is a quality information management system for globalised and larger scale of moulding plants.

- Central production monitoring
- Process data capture & extraction
- Machine status visualisation
- Customised reports



FANUC ROBOSHOT for the Electrical industry

Producing high numbers of small electrical components requires excellent cycle times and maximum repeatability. This is where ROBOSHOT comes into its own, given smart functions designed to compensate for changes in material viscosity such as Precise Metering 2+3 or AI metering control. The excellent acceleration delivered by ROBOSHOT's electric servomotors is also ideally suited to creating the thin walls that these parts often demand. Active gas venting also further enhances the quality of these components.



Absolutely constant dosing

FANUC Precise Metering 3 provides the exact dosing required to produce small high-precision parts such as liquid crystal polymer connectors for PCB boards. This function checks the volume after plasticising, automatic V-P and decompression adjustment. Product quality is improved thanks to constant plasticising volume for low viscosity materials, reduced parts weight variation and the avoidance of bubbles and silver strings.

Quality assurance and traceability made easy

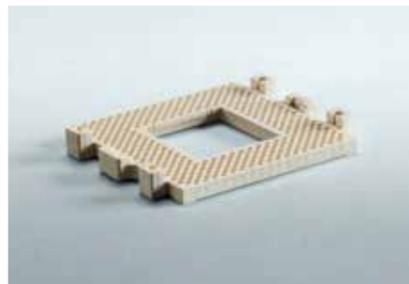
For full transparency and superior quality management, ROBOSHOT comes with up to 16 Multi Cavity Pressure Channels, cavity balance monitoring and historical data collection. To save money, ensure easier operation and minimise external components, monitoring is done via the CNC. You just select the required part quality.

Very precise insert moulding

For processes requiring inserts, ROBOSHOT can be supplemented with a FANUC 6-axis Robot fitted with FANUC iRVison, the product of 30 years of experience in intelligent vision systems. Equipped with this technology, the robot picks and places inserts with an amazing degree of accuracy and repeatability. Perfect for small parts, this solution does not require an external guide or fixing.

Made for micro moulding

Only FANUC offers a 15t electric injection-moulding machine. Designed to save precious floor space, this solution is ideal for use with very small moulds and to produce very small parts.



FANUC ROBOSHOT for the Medical industry

With human lives sometimes at stake, quality, reliability and repeatability are critical to the production of medical products. Products moulded for medical applications are also often transparent, making gas venting and changes in viscosity important issues. FANUC's highly sensitive pre-injection process resolves these issues, with ROBOSHOT's smart AI Metering Control function compensating for variations in viscosity to ensure consistent results whatever the process. What is more, because ROBOSHOT is equipped with 6 different screws as standard, manufacturers can easily alter production to accommodate different types of product.

Integrated hot runner control

Featuring up to 96 channels, this function saves time uploading new moulds by allowing machine operators to use data and parameters stored in the central monitoring control.

Quality assurance and traceability made easy

For full transparency and superior quality management, ROBOSHOT comes with up to 16 Multi Cavity Pressure Channels, cavity balance monitoring and historical data collection. To save money, ensure easier operation and minimise external components, monitoring is done via the CNC. You just select the required part quality.

Historical traceability

Given the nature of medical products, acquiring and storing process data is critical. To make this easy ROBOSHOT is available with smart features – such as Euromap 63 and FANUC LINK *i* – designed to capture and store data on a central server and provide complete part traceability.

Process graphics as standard

Just what you need for setting up, validation and on-going monitoring.

- Reference data curve storage
- Quality control outputs
- Multiple curve display
- Ideal Process optimisation tool



FANUC ROBOSHOT for the Optical industry

Injection moulding products for the optical industry involves some unique challenges. In contrast to standard injection moulding processes, injection speeds tend to be very slow and walls often thick. Capable of controlling slow processes with the utmost of precision, ROBOSHOT offers manufacturers huge benefits in this regard. High-pressure and precise injection speed control to as low as 0.1 mm per second as well as high-duty injection provide additional advantages. As does, optimised screw and barrel technology for transparent materials.

High-duty injection units for long holding times

The production of components for the optical industry often demands machines are capable the long holding times necessary to produce thick walls. ROBOSHOT is available with high-duty injection units that are ideally suited to the production of these kinds of components.

Increase the quality of your optical parts

For optical parts control of the mould temperature is critical for surface quality. Integrating this functionality into the control saves time and helps prevent errors. Sensitive pre-injection and active gas venting resolves venting issues resulting from high material volumes and faster compression. Consistent moulding is enabled by the clamp and ejector compression function.

Sensitive handling solutions

Avoiding surface defects is crucial when loading and unloading delicate optical parts. FANUC robots provide the dexterity to handle this kind of sensitive handling requires.

Made for micro moulding

Only FANUC offers a 15t electric injection-moulding machine. Designed to save precious floor space, this solution is ideal for use with very small moulds and to produce very small parts.





Protect your valuable moulds!



Maximum mould and ejector protection

FANUC AI Mould and Ejector Protection provides the best mould protection on the market. Built to minimise downtime, it even indicates when greasing is required or the mould is worn.

Mould and ejector protection in both directions

Should an event occur, ROBOSHOT protects your mould during the full opening and closing cycle - Its unique Mould Protection function, measures the motor torque and stops the machine immediately if there is a restriction. The same technology also protects the ejector's forward and reverse movement.

Reliable protection at no cost to speed

Unlike the protection on hydraulic systems, ROBOSHOT's Mould Protection functionality has zero impact on clamp closing speeds. This kind of high-speed responsiveness is provided by its electric drives. Clamp tolerances are also programmable across the entire mould movement.

Your benefits with FANUC AI Mould and Ejector Protection:

- no damage to moulds
- no repair costs
- no costly downtime
- very easy set-up – just turn on and determine a min/max percentage of the torque
- no loss in moving speed

Optimised clamp force setting and fewer part defects

FANUC Clamp Force Adjustment checks and automatically adjusts the minimum clamp force, providing increased security and eliminating the need to adjust the clamp force manually.

Your benefits with FANUC Clamp Force Adjustment:

- reduced mould wear
- increased machine life
- reduced part defects
- less energy consumption
- reduced start-up time

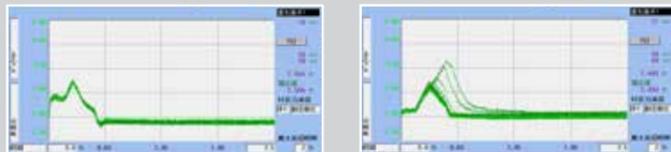


For more information:
Scan the code to see FANUC's unique mould protection system in action.

Transparency and stability for your processes

Unique process control and wear monitoring

FANUC Backflow Monitor shows you what is happening inside the valve, allowing you to monitor the closing characteristics as well as the wear status of the check ring. The injection process is also shown as a curve on the screen, enabling you to check and change your parameters should any irregularities occur. This allows the user to see the effect of process condition changes against the behaviour of the check valve. It even helps identify the onset of valve wear without disassembly of the barrel assembly.



The FANUC Backflow Monitor. On the left: stable back-flow. On the right: evidence that material is leaking and that valve slider closing times are inconsistent.

Your benefits with FANUC Backflow Monitor:

- constant process monitoring
- more transparent injection process
- easy detection of irregularities
- early scheduling of maintenance task
- predictable timing for exchanging the check ring

Remote monitoring with ROBOSHOT-LINKi

LINKi is a product and quality information management tool that manages up to 100 ROBOSHOT machines in real time from remote PCs or smart devices.

Status monitor

- achieves lower cost and higher operation rate
- monitors power consumption

Quality information

- provides traceability and advanced quality analysis
- investigate cause of failure and moulding repeatability

Diagnosis

- alarm history
- operation and parameter change history
- Remote operation functions

Constant parts weight – no need for decompression

FANUC Precise Metering 2+3 is an additional function designed to avoid uncontrolled volume flow between the end of plasticising and decompression. Precise Metering 2 provides advanced decompression control with reverse rotation of the screw after plasticising, while Precise Metering 3 checks the volume after plasticising, automatic V-P and decompression adjustment. Set to automatic mode there is no need to set various different parameters – all you need do is switch on!



Precise metering for maximum precision and stability

Your benefits with FANUC Precise Metering 2+3:

- constant plasticising volume for low viscosity materials
- reduced part weight variations
- avoidance of bubbles and silver strings
- automatic V/P adjustment (PMC)
- automatic decompression adjustment
- higher parts quality – fewer bad parts



Multi-component injection moulding

You can use ROBOSHOT for multi-component injection moulding by adding versatile and easy-to-integrate vertical and horizontal injection units. This advanced moulding technique allows you to inject three different components simultaneously. The vertical SI-20A unit fits on top of the ROBOSHOT, the horizontal SI-300HA unit slots onto the side. These additional injection units make it possible to inject two or three different components in one production run. Powered by FANUC's powerful CNC, the injection units offer the same levels of accuracy and repeatability as ROBOSHOT.

Your benefits

- fully integrated FANUC CNC
- easy to integrate
- flexible configuration
- turnkey solutions
- cost efficient

Easy switching between operation screens



Second injection unit operation screen



ROBOSHOT operation screen



The ROBOSHOT SI-20A vertical injection unit

This vertical injection unit can be installed on top of the ROBOSHOT. Two different types of units can be adapted to a machine range of 50 ton to 300 tons. Fitted with FANUC's latest CNC, the unit offers stable, precision moulding and is encased in a space-saving electrical cabinet.

Features and benefits

- controlled by FANUC's latest CNC
- same accuracy and repeatability as any other ROBOSHOT
- exchangeable between different ROBOSHOT models
- can be installed on current ROBOSHOT models, including S2000iB series
- integrated screen on ROBOSHOT operation screen*

* Available only with ROBOSHOT α-SiA series



The ROBOSHOT SI-300HA horizontal injection unit

This horizontal injection unit can be fitted to the side of the ROBOSHOT α-SiA models. Optional FANUC servomotors are available to control rotary tables from the ROBOSHOT SI-300HA. It is flexible and easy to integrate into your ROBOSHOT cell.

Features and benefits

- controlled by FANUC's latest CNC
- same accuracy and repeatability as any other ROBOSHOT
- exchangeable between different ROBOSHOT models

Item	Unit	FANUC ROBOSHOT SI-20A			FANUC ROBOSHOT SI-300HA			
		Specification			Specification			
Screw diameter	mm	14	16	18	26	28	32	36
Screw stroke	mm	56	56	56	95	95	128	144
Maximum injection volume	cm ³	9	11	14	50	58	103	147
Maximum Injection speed	mm/s	300			330			
Maximum injection pressure	MPa	200	180	140	260	240	220	190
Maximum pack pressure	MPa	180	160	120	260	220	200	170
Maximum injection rate	cm ³ /s	46	60	76	175	203	265	336
Maximum screw rotation speed	min ⁻¹	250			450			
Nozzle touch force	kN	3			15			
Number of heaters	Barrel	3			3			
	Nozzle	1			1			
Heater capacity	kW	2.4	2.8	3.1	6.5	7.2	8.4	9.1



MANUFACTURED EFFICIENCY
Your efficiency benefits

- Quick & Simple Startup Package (QSSP)
- seamless loading and unloading or insert placing
- easy robot-accessibility
- turn-key solutions

Designed for easy automation

The FANUC Quick & Simple Startup Package (QSSP) enables you to install tending robots in just a few steps. Easy robot access unloading components as well as an ergonomically designed work area ensures easy access to the machine. For more demanding automation scenarios, FANUC's comprehensive network of dedicated European partners possess the know-how and technical expertise you need to create the ideal solution for your production facility. Another plus: all FANUC products speak the same language and share a common servo and control platform – something that makes learning and operating them extremely easy.

Ready to integrate: Thanks to new interfaces and smart functions such as integrated hot runner and mould temperature controls, FANUC ROBOSHOT facilitates flexible integration into existing production systems. Unlike any other machine of its kind, FANUC ROBOSHOT includes an extensive package of functions for the most common injection moulding applications.



Create your FANUC Moulding Cell

The product of almost 30 years of experience in vision systems, FANUC *iR*Vision fitted to a FANUC 6 axis Robot makes an extremely productive alternative to a gantry.

Quick and easy insert placement

- reliable visual picking and quality control prior to insertion
- very exact and highly repeatable insert placement without the need for mechanical guides
- positional accuracies of +/- 0.02mm

Visual error proofing

- FANUC's integrated vision system, *iR*Vision, identifies part errors according to cavity
- visual identification of part defects or tiny faults such a single dot in a group of parts
- no revalidation of the production process necessary
- saves a considerable amount of time
- only 1 camera required for multiple cavities



Part placement and orientation

- FANUC's *iR*Vision provides a simple part placement solution
- inspection of each part on a conveyor
- identification of the cavity automatically
- an immediate decision is made

World-beating CNC reliability

Drawing on 60 years of continuous development, the centrepiece of the FANUC ROBOSHOT is the most reliable CNC control in the world. User friendly and featuring all the standard interfaces, it delivers fast processing times and consistent parts quality.

CF card

- 15" colour touchscreen display
- intuitive iHMI screen
- easy data input and minimal keypad entry
- improved interface to robot operation screen
- precise predictive maintenance
- easy-to-use control screen
- supports multiple languages



USB

MANUFACTURED EFFICIENCY

Simple maintenance – early detection

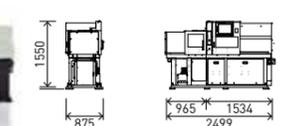
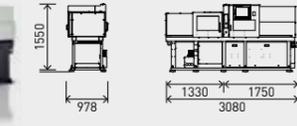
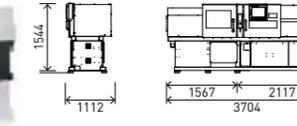
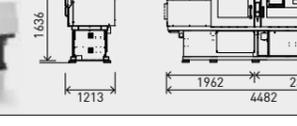
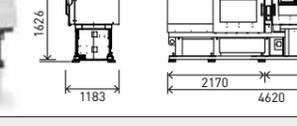
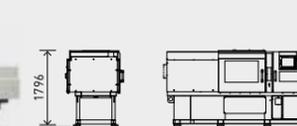
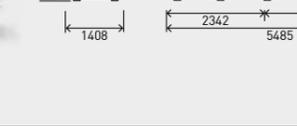
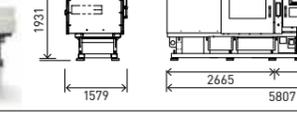
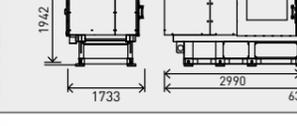
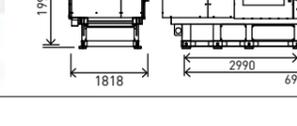


The intuitive visual maintenance interface on FANUC's CNC facilitates faster recoveries after servicing. The integrated early warning system identifies errors before they occur, ensuring maximum precision and consistent quality standards.

- 15" colour touchscreen display
- intuitive iHMI home screen
- quick and easy data input
- Ethernet AND USB interfaces

FANUC ROBOSHOT series

Choose the right model for your application

		Clamping unit							Injection unit											Machine weight		
Tonnage	Max./min. form height	Closing stroke	Location Ring Diameter	Tie Bar Spacing (HxV)	Platen Size (HxV)	Ejector stroke		Screw diameter	Injection stroke	Max. injection volume	IS200		IS525 / IS330 / IS240			IS700 / IS500			Nozzle Contact force			
											Max. injection pressure	Max. injection speed	Max. injection pressure (high-pressure injecting)	Max. injection pressure	Max. injection speed	Max. injection pressure (high-pressure injecting)	Max. injection pressure	Max. injection speed			Max. injection pressure (high-pressure injecting)	Max. injection pressure
kN	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ³	bar	mm/s	bar	bar	mm/s	bar	bar	mm/s	kN	kg		
α-S15iA			150	260-130	160	∅ 60	260 x 235	355 x 340	50	9	56	2500	525	2500	800	5	IS525 - 1380 IS800 - 1430					
																		16	11	2600	2300	
																		18	19	2600	2300	
α-S30iA			300	330-150	230	∅ 100	310 x 290	440 x 420	60	9	56	2500	525	2500	800	9	IS525 - 1880 IS800 - 1950	3300	2700	2700	2000	
																		16	11	3000	2600	
																		18	19	3000	2600	
																		20	24	2700	2700	
																		22	29	2200	2200	
α-S50iA			500 / 650	Double pl. 350-150 400-150 Single pl. 410-210 460-210	250	∅ 125	360 x 320	500 x 470	70	24	75	2600	330	3600	2800	500	15	IS300 Double pl. - 2900 IS300 Single pl. - 2850 IS500 Double pl. - 3100 IS500 Single pl. - 3050	3400	2900	2750	2400
																			26	50	2900	2100
																			28	58	2500	1900
																			32	76	1500	
																			22	29	3400	2600
α-S100iA			1000 / 1250	Double pl. 450-150 550-150 Single pl. 520-220 620-220	350	∅ 125	460 x 410	660 x 610	100	2600	95	200	330	3400	2600	500	15	IS200 Double pl. - 4300 IS200 Single pl. - 4150 IS330 Double pl. - 4300 IS330 Single pl. - 4150 IS500 Double pl. - 4450 IS500 Single pl. - 4300	3200	2700	2200	2200
																			26	50	3200	2400
																			28	58	2700	2200
																			32	76	2200	1900
																			22	29	3400	2600
																			26	50	3200	2400
																			28	58	2700	2200
α-S130iA			1300	670-200	400	125	530 x 530	730 x 730	100	103	128	200	2200	200	200	15	IS200 - 4900	1900	1600			
																		36	144	147	1900	
																		40	144	181	1600	
α-S150iA			1500 / 1800	Double pl. 500-200 600-200 Single pl. 575-275 675-275	440	∅ 160	560 x 510	800 x 750	150	2800	150	200	330	3800	2800	30	IS200 Double pl. - 7050 IS200 Single pl. - 6800 IS330 Double pl. - 7200 IS330 Single pl. - 6950	153	188	2200	1900	
																		36	150	153	2800	
																		40	176	268	2200	
																		44	208	318	1900	
																		48	208	442	1600	
																		52	208	442	1600	
α-S150iA (small capacity)			1500 / 1800	Double pl. 500-200 600-200 Single pl. 575-275 675-275	440	∅ 160	560 x 510	800 x 750	150	2800	150	330	3400	2600	15	Small Capacity IS330 Double pl. - 6500 IS330 Single pl. - 6250	50	58	2700	2200		
																	26	95	3200	2400		
																	28	103	2700	2200		
																	32	128	2200	1900		
																	36	144	2200	1900		
																	40	181	1600	1600		
α-S220iA			2200	750-250	550	160	650 x 650	900 x 900	150	268	176	200	2200	200	30	IS200 - 10800	318	1900	1600			
																	48	176	318	1900		
																	52	208	442	1600		
α-S250iA			2500 / 3000	650-300 750-300	600	∅ 160	710 x 635	1030 x 960	200	121	150	330	2800	2600	30	IS330 - 13700	153	188	2200	1900		
																	36	150	153	2800		
																	40	176	268	2200		
																	44	208	318	1900		
																	48	208	442	1600		
α-S300iA			3000 / 3500	650-300 750-300	600	∅ 160	810 x 710	1130 x 1030	200	188	176	240	2800	2700	30	IS240 - 14600	268	318	2400	2250		
																	44	176	268	2200		
																	48	208	318	1900		
																	52	208	442	1600		
																	56	260	640	2250		
																	64	260	836	1750		
																	68	260	944	1550		
																	68	260	944	1550		

Efficient FANUC service worldwide

Wherever you need us, our comprehensive FANUC network provides sales, support and customer service all around the world. That way, you can be sure you have always got a local contact that speaks your language.

Efficient long-time productivity: FANUC Maintenance Services

To minimise impact on production and get the most out of your machine, we offer maintenance services designed to lower your machine's TCO. Whatever your production scenario, FANUC solutions keep your machine running via dedicated preventive, predictive and reactive maintenance procedures that maximise uptime and keep downtime to a bare minimum.

Efficient training: FANUC Academy

The FANUC Academy offers everything you need to upskill your teams and increase productivity – from introductory programs for beginners through to courses tailored to the needs of expert users and specific applications. Fast and effective learning, on-site training or cross machine training make up the extensive educational offering.

Efficient supply: Lifetime OEM spare parts

As long as your machine is in service, we will provide you with original spare parts – for a minimum of 25 years. With more than 20 parts centres all over Europe, dedicated service engineers and direct online access to FANUC stores, availability checks and ordering, we keep you running whatever happens.



24/7
support



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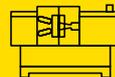
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