

Clean & Smart.

SAM - Sumitomo (SHI) Demag. Automation. Machine.
Automation platform for standardised production solutions.



FULLY ELECTRIC UP TO THE ROBOT

SAM

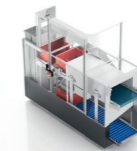
Automation platform for standardised production solutions.

Sumitomo (SHI) Demag is your partner for automated process solutions. With our interdisciplinary, industry-experienced teams and a network of over 500 experts, we cover the entire spectrum of injection moulding automation: machine technology, robotics, conveyor technology and networked control and information technology. In addition to a high degree of standardisation, we also map large automation projects.



Project automation

Focus: Standardised production solutions



Inhouse Automation Competence

We have system expertise available in a wide range of areas

- Sales (national/international)
- Engineering/Production
- Customer service

Automation partner network consisting of more than 500 experts

Robotics

- SDR
- SAM-C
- SAM-S

Components

- Safety fence
- Conveyor

Next Automation

- Intralogistics
- General industry

- Machine and robot from one-stop shopping
- Fully integrated robot control
- Compact system footprint
- Higher system availability

- Attractive price/ performance ratio
- Available for machine range 50 – 500 tons
- Payload classes 3 kg/5 kg/10 kg/20 kg

USPs at a glance

Why SAM?

- 1 Inhouse Design**
SAM-C
- 2 Operator-oriented**
Full integration in the injection moulding machine
- 3 Smart Solution**
Remote Service and Industry 4.0 ready
(Production, elements ...) Fully sustainable
- 4 Higher system availability**
Low maintenance for guiding and drive elements
- 5 Sumitomo (SHI) Demag drive technology**

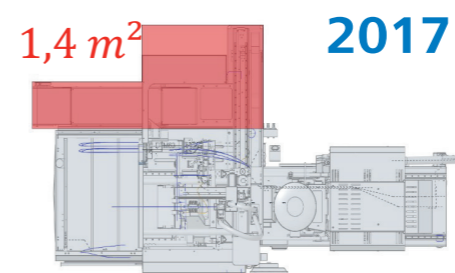


Optimised system footprint
for standardised production solutions

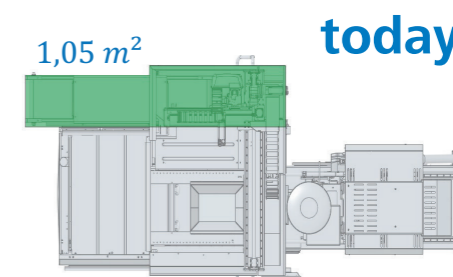
50%

LESS FOOTPRINT.

Compared with standard safety fence for handle & place solutions.



IntElect 50 + SDR 55



IntElect 50 + SAM-C3

15% more productivity

SAM Production Sets

handle & place (IntElect 50 – 130), SAM-C3, SAM-C5

IntElect-100 & SAM-C3

handle & place	Machine CU	Robot model	conveyor belt width	A1 stroke	A1 stroke (OP 242: +200mm)	A2 stroke	A3 stroke
v1	IntElect 50	SAM-C3	300	1100	1300	450	1000
v1	IntElect 75	SAM-C3	300	1100	1300	450	1000
v1	IntElect 100	SAM-C3	400	1100	1300	450	1000
		SAM-C5		1300	1500	620	
v1	IntElect 130	SAM-C3	400	1100	1300	450	1000
		SAM-C5		1300	1500	620	

handle & place		SAM-C3	SAM-C5
Payload (max.)	kg	3	5
A1 - Transversal axis	mm	1100/1300	1300/1500
A2 - Demould axis	mm	450	620
A3 - Vertical axis	mm	DI 1000/TE 1000	DI 1000/TE 1200
A4 - B wrist axis (pneum.)		0°/90° or 0°/180°	0°/90° or 0°/180°
A5 - C wrist axis (pneum.)		0°/90°	0°/90°
Pneumatic functions (up to)		6	6

handle & place (IntElect & Systec 160 – 280), SAM-C5, SAM-C10, SAM-C20

handle & place	Machine CU	Robot model	conveyor belt width	A1 stroke	A1 stroke (OP 242: +200mm)	A2 stroke	A3 stroke
v2	Systec 160/ IntElect 180	SAM-C5	500	1300	1500	620	1200
		SAM-C10		1500	1750	820	1400
v2	Systec 210/ IntElect 220	SAM-C10	600	1500	1750	820	1400
		SAM-C20		1500	1750	1020	1400
v2	Systec 280/ IntElect 280	SAM-C10	600	1500	1750	820	1400
		SAM-C20		1500	1750	1020	1400

handle & place		SAM-C10	SAM-C20
Payload (max.)	kg	10	20
A1 - Transversal axis	mm	1500/1750	1500/1750
A2 - Demould axis	mm	820	1020
A3 - Vertical axis	mm	DI 1400/TE 1400	DI 1400/TE 1800
A5 - C wrist axis (pneum.)		0°/90°	0°/90°
A6 - A wrist axis (pneum.)		0°/90° or 0°/180°	0°/90° or 0°/180°
Pneumatic functions (max.)		12	12

TE: telescope | DI: Single arm

Production Set handle & place

Standardised solutions

Integrated automation solution for machine size: 50 – 280to

Target application:

Standard applications for picking and handling of parts/sprues

Target markets:

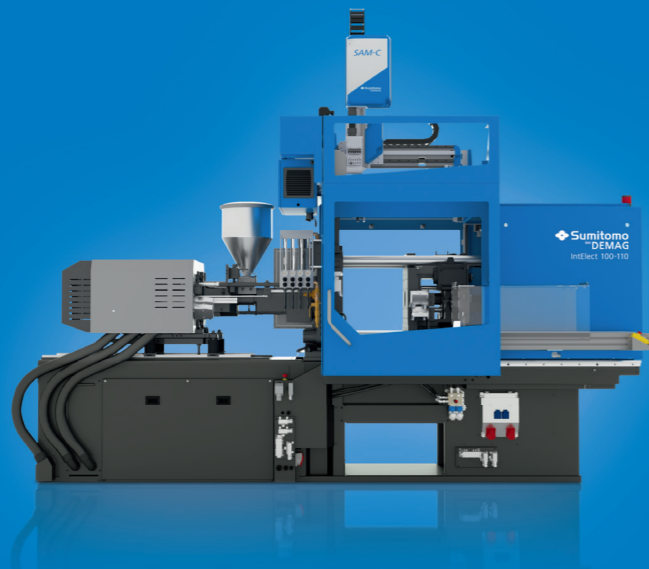
- Automotive
- Consumer
- Electronics

Customer benefits:

- Pre-commissioned production solution
- Easy onsite installation
- Ready to use
- With CE conformity

Complete Solution

- CE - Certified
- Optimised footprint



Production Set handle & box

Customised solutions

Integrated automation solution for IMM size: 75 – 220to

Production advantage:

- Container buffer system for robot part loading
- Drop part filling of container
- Operation as standard conveyor belt

Target markets:

- Automotive
- Consumer
- Electronics

Customer benefits:

- Pre-commissioned solution for standard container
- Maximum flexibility
- Variable use for different production environments
- Easy operation

Complete Solution

- CE - Certified
- Optimised footprint

