Shibaura Machine
Unified Solutions, Connected Worlds

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Learn more

All-Electric Injection Molding Machines

EC-SXIII Series | 55-3,350 tons



Shibaura Machine
www.shibaura-machine.com

Over 100 Years

Of Building What Matters to Manufacturers

• 1875
Japanese Heritage

Shibaura Engineering Works Co. established in Tokyo — the industrial ancestor of a company built on precision and innovation.

• 1956
First Injection Molding Machine

Shibaura Machine Tool Co. manufactures its first dedicated injection molding machine — marking the start of a precision molding legacy now spanning seven decades.

• 1961
The Toshiba Era Begins

Shibaura Seisakusho merged with Tokyo Denki — known globally as Toshiba.

• 1974
North American Expansion

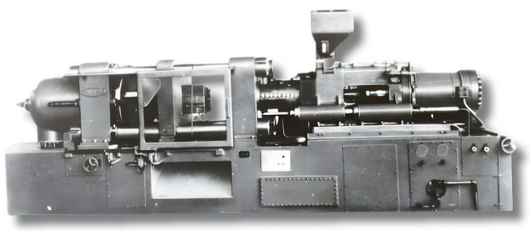
Toshiba Machine Co., America incorporated in Illinois. The beginning of 50 years of expertise, service, and support for North American molders.

• 1980s
Global Expansion

New operations opened across Canada, Germany, Thailand, Taiwan, and Hong Kong. In 1982, we launched our first industrial robots to the global market.

• 1998
All-Electric Innovation

Heavy R&D investment yields a new generation of advanced all-electric injection molding machines, setting the stage for greater precision and efficiency.



First injection molding machine, 1956

• 2018
The EC-SXIII Era

The most intelligent all-electric platform yet. The Injectvisor V70 controller, IIoT connectivity, and expanded automation integration.

• 2020
Global Brand Unification

We returned to our founding name: Shibaura Machine. Honoring this Japanese engineering heritage, we continue to lead the global market with a singular identity.

• 2022
Smart Factory Begins

IIoT manufacturing integration begins. Shibaura Machine invests in connecting machines, data, and production systems — laying the foundation for machiNetCloud.

• 2024
Medical Injection Molding

The EC110SXIII medical machine debuts — engineered for clean room environments and medical device production.

• 2025
Expanding the Platform

Shibaura Machine acquires LWB Steinl GmbH, a German leader in vertical rubber and silicone injection molding — broadening the solutions available to North American molders.

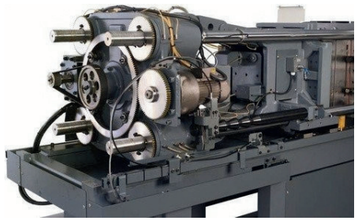


EC1450SXIII All-Electric Injection Molding Machine, 2026

EC-SXIII SERIES

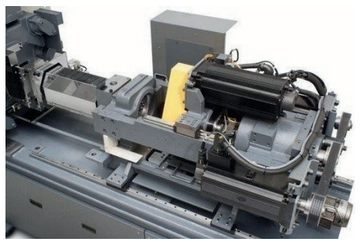
Built-In Advantages

Clamp



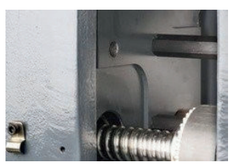
- 5-point Link-line toggle angled to distribute force evenly across the platen, improving part quality, extending mold life, and reducing maintenance.
- Two-piece removable platens: swap out in 15 minutes on 55-390 ton units; moving platen is removable on larger machines.
- Strain gauge tonnage control: adjusts automatically on the fly, holding accurate tonnage every cycle.
- Oversized ball screws: spread heavier loads across far more surface area than conventional screws.
- Bushing-free, grease-free tie bars: one less source of contamination in molded parts.

Injection



- S3 friction-free drive: Simple, Steady, Smooth. Tighter injection speed and back pressure control for better shot-to-shot repeatability.
- Linear-guide support: carries the weight of the injection unit, sharply reducing drag on injection and back pressure.
- Advanced load cell + V70 controller: precise injection pressure control and Scientific Molding across the mold without internal transducers.

Design & Serviceability



Open ejection-plate access for faster, easier mold changes.



Space saving design. Hydraulic unit fits within the machine frame (EC55 to 390 only).

Standard Features

CONTROLLER

Six programmable outputs (standard)
Step switch / ten-key input
Setting data memory for 300 sets of molds
Euromap 67 robot interface (EC500 and above only)
Digital display & Graphic display
High-speed control cycle
List setting screen
Operation indicator
External output signal customize function
Dry cycle mode
Profile display / storing / measure functions
Quality monitoring
Diagnostic function
Operation select function at production completion
MOLDLYZER
LCD touch panel
Password function

CLAMPING

MECHANICAL / HARDWARE

Link-line toggle unit
Double rigid body platen
SPI Mold platen
Locating hole
Movable platen supporting device
Mechanical safety device
Holes tapped for take-out robot installation
Ejection servo motor with brake
Ejector plate, ejecting rod
Automatic lubricator
Triple core pull interface — 2-hyd. core × 1-pneumatic timer only (EC500 and above only)

EJECTION

3-step ejection speed programmed control
Repeated ejection control
Setting of number of repeated ejections
Ejector retraction check circuit (EC500 and above only)
Ejection force digital setting
Ejection hold time setting
Ejection during mold opening
Ejection torque monitor
Gate cut circuit
Dual air blow

CLAMP CONTROL

DST-Press control
Dynamic acceleration / deceleration control
3-step high-speed programmed control
Clamp pressure digital display (two steps)
Sensitive mold protection control — torque monitor and limiter in two high-speed ranges; torque / time limiter in low-pressure clamp range
Automatic mold thickness adjust circuit Low-pressure / slow-speed circuit for mold set-up mode
Lock-up delay timer
Lock-up speed digital setting
Mold open while charging (simultaneous motion)
Mold open halt to enable mold opening at an arbitrary position

INJECTION

MECHANICAL / HARDWARE

Open nozzle
Barrel — anti-corrosion / wear
Standard screw assembly, high-kneading DBG design
Hopper inlet rust-preventive sleeve
Barrel heater
Friction-Free Drive
Digital load cell
Purge shield
Double heater cover

HEATER & TEMPERATURE

Heater SSR control
Heater band failure indicating circuit
Hopper throat temperature controller
Barrel temperature FF control
Programmed heat-up circuit
Simultaneous barrel heat-up control
Barrel temperature shift circuit
Retention resin overheat prevention circuit

INJECTION CONTROL

DST-Fill
Pressure linear correction
Programmed purge circuit
VHI control
FIT Control
Laminar control
ECSXIII 12-speed / 8-pressure injection programmed control
Shift-to-hold mode selection
Shift-to-hold correction control
Injection speed FF control
Single valve gate
Prestrol / Injection Compression software is standard; additional hardware may be required. (Contact factory for details)

CHARGE & SCREW CONTROL

Screw speed / back-pressure programmed control
Automatic screw back-pressure reduction control
Automatic charging deceleration control
Decompress before / after charge
Charge delay timer
Screw cold-start prevention device
Manual back-pressure setting

EC-SXIII SERIES

The V70 Controller

Your Unified Command Center

A 19-inch high-resolution touchscreen with swipe functionality puts production data, diagnostic tools, and machine controls in one place.

Total Command

One Hub for Everything
The V70 is capable of integrating with robots, hot runners, and mold temperature controllers — one screen, one point of control.

Industry 4.0 Ready
machiNetCloud connects your press to any smart factory environment — real-time data, remote monitoring, and easily scalable.

Manuals on the Machine
The complete machine manual, accessible on screen the moment your team needs it.

See More, Do More

Maximize Visibility
Split-screen capability lets your team monitor two data sets simultaneously — nothing gets missed mid-run.

Eliminate Errors
Drag-and-drop clamp sequencing and auto-shutdown programming keep every run consistent and every setup error-free.

100,000 Shots of Memory
Stores monitoring data for the last 100,000 shots — 100x more than previous models — plus 1,000 alarm and stop records.

Troubleshoot Faster

Pin-point Inefficiency
Built-in cycle analysis breaks down your process graphically, showing exactly where time can be recovered.

Guided Defect Resolution
The Molding Support function walks operators through solutions to common defects — less trial-and-error, faster fixes.

Ladder Logic Visibility
Labeled I/O Checker and Interlock Display give you real-time machine status — less time hunting, more time running.



The V70 is the most powerful controller Shibaura Machine has ever built — and the easiest to use.

EC-SXIII SERIES

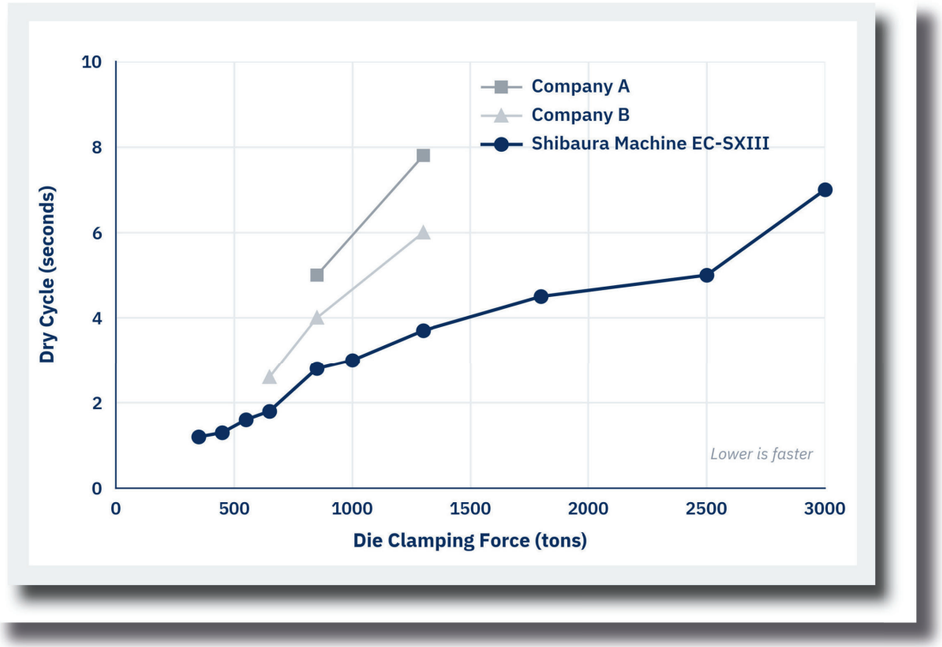
The Machine That Earns Its Floor Space

One platform. Zero compromises.

01 Fastest Cycles in the Industry

Patented dynamic acceleration & deceleration

- High-speed mold motion with reduced shock
- DST-PRESS auto clamp compensation
- Linear guides — no tie bar bushings, no grease

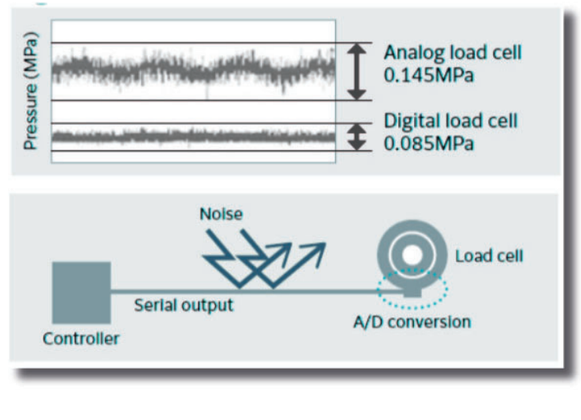


Dry cycle time by die clamping force. Lower is faster.

02 Advanced Melt Pressure Accuracy

Scientific Molding – No 3rd party monitoring system

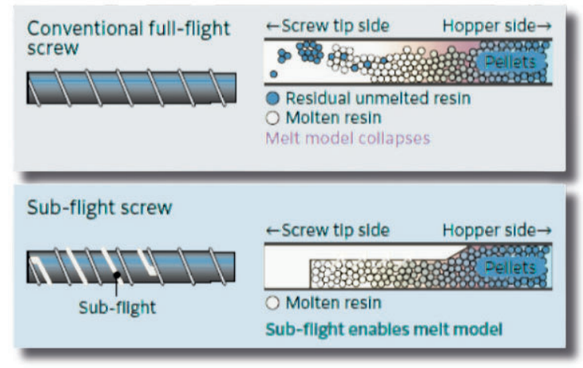
- Friction-free injection drive
- Noise-resistant digital load cell
- Industry-leading pressure hold capacity



03 Uniform Melt, Every Time

Engineered sub-flight screw design

- Separates solid and melt channels
- Eliminates break-up and unmelted resin
- Stable resin temperature, full stroke



EC-SXIII SERIES

Advanced Molding Capabilities

Process control that adapts to material reality — automatically.

Dynamic Self Tuning Fill (DST-Fill)

Closed-loop viscosity compensation across long runs.

- Monitors injection pressure as a moving average vs. the good-part profile
- Auto-adjusts front-zone and nozzle temperatures when viscosity drifts out of tolerance
- Closes the loop where most machines only flag the variance
- Built for high-tolerance work and regrind/virgin blends

Filling Impulse Transfer (F.I.T.)

Automatic transfer-to-pack adjustment, shot to shot.

- Records the injection pressure profile of a known-good shot
- Auto-adjusts transfer-to-holding position so work per speed segment matches reference
- Compensates on the fly as material properties drift mid-run
- Setup via V70 — no scope, no manual recalibration

Moldlyzer

Patented part-quality verification, every shot.

- Samples actual injection pressure at defined checkpoints across the stroke
- Compares each reading to an operator-established model curve for an acceptable part
- Surfaces deviation in real time on the V70 — not at QC inspection
- Built for production runs where part-to-part repeatability is the spec

16-Channel Analog Signal Input

External sensor data, native to the V70.

- Pulls in-mold pressure, cavity temp, or any 0–10V sensor signal into the controller
- Up to 16 channels simultaneously
- Trends external data alongside machine data on the same screen

Natural Pack

Fills thin-wall and long-flow parts completely, eliminating short shots and gate burrs.

- Pauses the screw at transfer to release energy and reduce peak pressure
- Decompresses material so the flow front advances naturally
- Lowers cavity pressure to minimize flash



16-Channel Analog Signal Input

External sensor data, native to the V70.

- Pulls in-mold pressure, cavity temp, or any 0–10V sensor signal into the controller
- Up to 16 channels simultaneously
- Trends external data alongside machine data on the same screen

16 Channel Analog Input Directly to V70 Controller



Analog voltage (0.0 to 10.0V/Max. 8ch)

- All data is centrally managed by the molding machine
- All data is stored as monitoring data
- Alarm output when anomaly occurs

EC-SXIII SERIES

Built Around Your Bottom Line

Options for greater flexibility and productivity

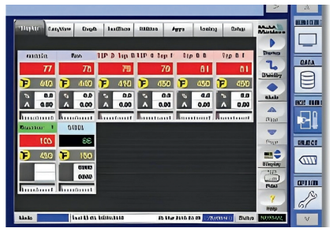
Easily add an E-Multi secondary injection unit to any ECSXIII

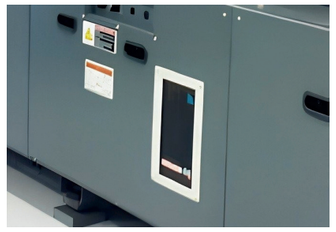
The units can be mounted vertically on top of the stationary platen or horizontally from the non-operator side of machine. Rotary Platen options are available.



Integrated Mold-Masters Hot Runner Controller

Control your hot runner directly through the V70 controller. Minimize footprint by integrating hot runner controller into the machine (some machine sizes may require an external box).

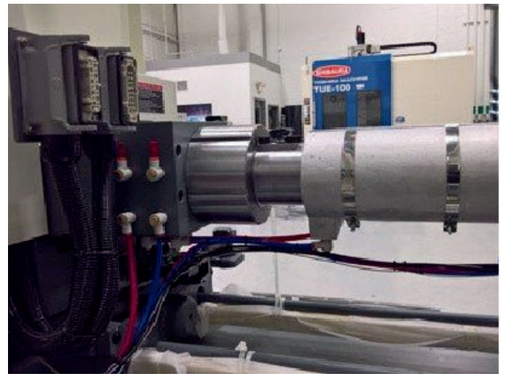




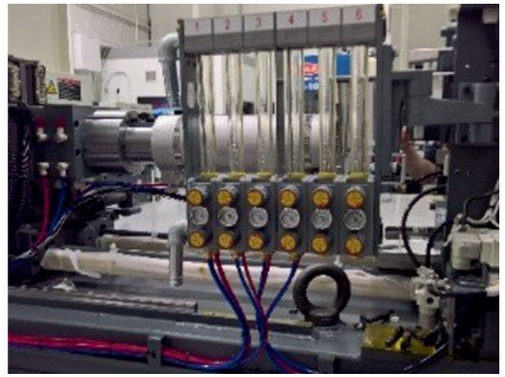


Liquid Silicone Rubber (LSR) Molding

The ECSXIII offers fully integrated LSR technology — water-cooled tungsten carbide barrel, 8-zone mold heat control (up to 24 zones), and optional vacuum venting, pumping station, and static mixer. The quick-release LSR barrel makes it easier to convert the machine back to thermoplastic operation.



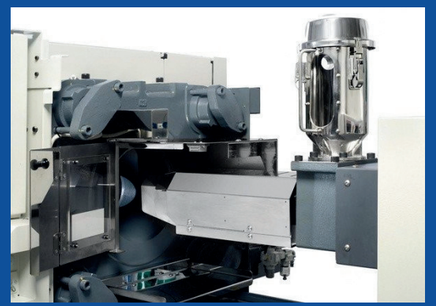
Quick Release Water Jacketed Barrel System



8-Zone Manifold with Temp and Flow Monitoring for Barrel

Boost Productivity with Flexible Injection Downsize System (FIDS)

With Shibaura's FIDS, you can easily adapt ECSXIII machines down to shot sizes as small as 0.43 oz. (Engineering Review Required).



EC-SXIII SERIES

Operating Cost Comparison

Customer Case Study: 390 Ton Electric vs. Servo-Hydraulic

This customer case study compares a European servo-hydraulic injection molding machine with the Shibaura EC390SXIII all-electric injection molding machine.

Both machines were evaluated using a shot size of 6.5 ounces of polypropylene (PP) for a car center console cup holder. The analysis focuses on key metrics based around 4,000 hours of annual operation.

Productivity Gains

Cycle Times (seconds): Servo-Hydraulic: 30.8 |
All-Electric: 27.6 Cycle Time Reduction: 10.39%
Annual Gains (@ $40.00/hr): $16,624.00

Scrap Rate Reduction

Part Weight: 6.5 ounces | Mold Cavity: 2
Material Savings: 1.5%
Annual Material Cost: $126,360.00
Annual Savings: $1,895.40

Housekeeping

Daily Clean-up Time: 15 minutes/day
Cleanup Time (333 working days): 83.25 hrs
Labor Rate (with benefits): $20.00/hr
Annual Savings: $1,665.00

Power

Machine Power Consumption (kW/hour):
Servo-Hydraulic: 11.6 | All-Electric: 3.7
Annual Energy ($0.08/kWh):
Servo-Hydraulic: $3,712.00 | All-Electric: $1,184.00
Annual Savings: $2,528.00

Maintenance

Hydraulic Maintenance: $4,720.00/year
All-Electric Maintenance: $910.00/year
Annual Savings: $3,810.00

Cooling

Hydraulic Cooling Costs:
Power Consumption: $201.60
Make-Up Water: $200.00
Total Hydraulic Cooling: $401.60/year

All-Electric Cooling: $0.00/year
Annual Savings: $401.60

Total Annual Benefit: $26,924.00

EC-SXIII SERIES

Industrial IoT, Simplified.

machiNetCloud

Your machines already generate the data that cuts downtime, raises yield, and lowers energy costs. machiNetCloud puts it to work .

Scan to explore all the features of machiNetCloud.



> *Before we had machiNetCloud, we looked busy, but to what degree? We'd sit there and try to estimate what our capacity was or how much of our capacity we were using, and we were off."*
>
> — Jeff Becker, Owner of VDI Manufacturing

- Lower Energy Per Part
- Fewer Unplanned Stops
- Secure Remote Access
- Predictive Maintenance

Already running a Shibaura machine? machiNetCloud connects seamlessly through the V70 controller.

EC-SXIII SERIES

Automation & Turnkey Solutions

Built, integrated, and supported by one team

01 One Source, Start to Finish

Injection molding machine, auxiliaries, robotics, and integration — all from one partner. A dedicated project manager from kickoff through commissioning and one number to call when you need anything.

02 Engineered in North America

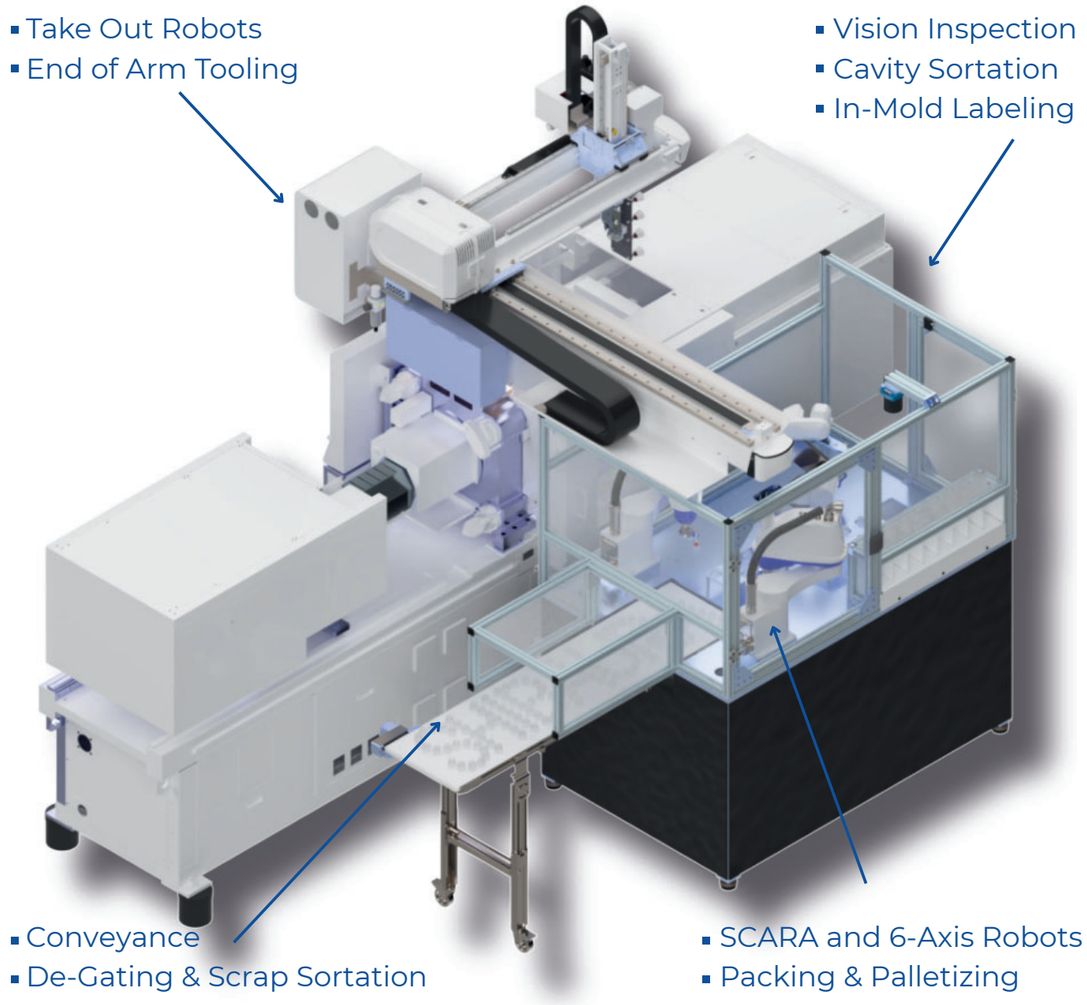
Faster response, lower communication overhead, and local support before, during, and after installation. Deep experience across medical, automotive, and consumer goods, so the team specifying your solution already knows your industry.

03 Built for the Whole Part Journey

Most automation vendors stop at "part out of the press." Shibaura Machine's turnkey solutions are built for everything that happens next and committed to the complete process. The best parts, at the best speeds, taking full advantage of every capability the press and the automation system offer.

04 Supported for the Long Run

The solution we provide you today is the start of a partnership made to grow with you. Our dedicated service and support team for automation customers is committed to keep your plant producing at peak performance.



EC-SXIII SERIES

Industries We Serve

Your industry. Your challenges. Our machines.

Shibaura Machine presses run in the most demanding production environments.



Medical & Healthcare

All-electric precision eliminates hydraulic contamination risk to keep your clean room clean. Shot-to-shot repeatability satisfies the tightest validation protocols and 100,000-shot data storage gives you the traceability regulators expect.



Packaging

Simultaneous motion, high-speed injection up to 500 mm/sec (optional), and high-speed clamp movements mean your ECSXIII adapts to the full range — from thin-wall containers to precision closures — without sacrificing throughput.



Automotive

OEM customers demand repeatability and zero surprises at volume. Robust automation integration address the growing complexity of interior, exterior, and under-hood components.



And Beyond

Consumer products, industrial, electronics, construction, and aerospace.

From 55 to 3,350 US tons, the ECSXIII scales with whatever you mold next.

EC-SXIII SERIES

Service, Parts & Training

Global support without compromise

01 Parts

Over $15 million genuine Shibaura Machine parts stocked primarily in our Chicago-area warehouse. Most orders ship same-day.

02 Technical Support

Dedicated technical support specialists to ensure your business runs smoothly.

03 Service

Our North American service team is built to protect your uptime and your investment with factory-trained engineers and after-hours support always within reach.

04 Training

Scheduled training programs at our technical centers and your facility keep both new and experienced users running at full capability.



Customer Portal

Through the customer portal order parts, track shipments, open a support ticket, and access machine documentation — 24/7, from any device.

EC-SXIII SERIES

Flexible Financing

Capital shouldn’t slow you down

01 Flexible Terms

Customized plans built around your project, your cash flow, and your production timeline — not a one-size-fits-all schedule. Choose from Capital Leases, True Leases, Even Payments, Step-Up Payments, and Skip Payments, with terms up to 7 years.

02 Competitive Rates

As Shibaura Machine's in-house financing arm, we offer competitive fixed rates, with promotional rates as low as 0%. Pricing built for capital equipment buyers, not consumer lenders.

03 Fast Approvals

TMAC works exclusively with Shibaura customers, so our underwriting team already knows the equipment. Application Only where applicable, simple documentation, and 100% financing available (subject to credit approval). Decisions move at the speed of your project.

TMAC
TM Acceptance Corp.

TMAC (TM Acceptance Corp.) is Shibaura Machine's own in-house financing, a smart alternative for financing your Shibaura Machine purchases, serving customers across the U.S., Canada, and portions of Mexico.

Our in-depth knowledge of your industry combined with our expertise in financing enables us to provide options that often cannot be matched by others.

Don’t Forget Section 179

Section 179 of the IRS Code lets qualifying businesses deduct the full purchase price of new equipment in the year it's placed in service, turning a capital expenditure into immediate tax savings.

Your Shibaura Machine sales representative can connect you with TMAC for your next project or scan the code to start your application process.

EC-SXIII SERIES

Machine Specifications

19 MODELS

SMALL TONNAGE

EC55SXIII 27
EC85SXIII 28
EC110SXIII 29
EC140SXIII 30
EC200SXIII 31
EC250SXIII 32

MID TONNAGE

EC310SXIII 33
EC390SXIII 34
EC500SXIII 35
EC610SXIII 36
EC610SXIII (cont.) 37
EC720SXIII 38
EC950SXIII 39
EC950SXIIIW 40

LARGE TONNAGE

EC1100SX III 41
EC1450SXIII 42
EC1450SXIIIW 43
EC1600SXIII 44
EC1950SXIII 45
EC2750SXIII 46
EC3350SXIII 47



EC55SXIII Specifications

	ITEM		Unit	EC55SXIII			
CLAMP	Clamping Force		tf	50			
			US Ton	55			
	Tie Bar Distance (HxV)		mm	410 x 360			
			in	16.1 x 14.2			
	Platen Dimension (HxV)		mm	510 x 460			
			in	20.1 x 18.1			
	Clamp Stroke		mm	300			
			in	11.8			
	Maximum Daylight		mm	670			
			in	26.3			
	Mold Height (Min～Max)		mm	150 ～ 370			
			in	5.9 ～ 14.6			
	Ejector Force		tf	2.0			
			US Ton	2.2			
	Ejector Stroke		mm	70			
			in	2.76			
INJECTION	Injection Unit			U1.5			
	Barrel Code			1YZ	1Y	1.5Y	1.5A
	Screw Diameter		mm	20	22	25	28
			in	0.79	0.87	0.98	1.10
	Injection Capacity		cm3	31	38	55	69
			in3	1.92	2.32	3.35	4.21
	Shot Volume	PS	g	29	35	51	63
			oz	1.02	1.23	1.80	2.22
		PE	g	23	28	40	50
			oz	0.81	0.99	1.41	1.76
	Maximum Injection Pressure		MPa	270	270	276	220
			PSI	39200	39200	40000	31900
	Maximum Holding Pressure		MPa	270	270	276	220
			PSI	39200	39200	40000	31900
	Injection Velocity	STD	mm/s	200			
			in/s	7.9			
	Injection Rate	STD	cm3/s	63	76	98	123
			in3/s	3.84	4.64	5.98	7.51
	Injection Velocity	HIGH SPEED 1	mm/s	300			
			in/s	11.8			
	Injection Rate	HIGH SPEED 1	cm3/s	95	115	147	185
			in3/s	5.80	7.0	9.0	11.3
	Injection Velocity	HIGH SPEED 2	mm/s	500			
			in/s	19.7			
	Injection Rate	HIGH SPEED 2	cm3/s	157	190	245	308
			in3/s	9.58	11.6	15.0	18.8
	Plasticizing Capacity	PS	g/sec	3.9	6.1	6.9	9.7
			oz/sec	0.14	0.22	0.24	0.34
	Screw Speed		rpm	430	420	390	390
	Screw Torque		N・m	109	143	204	280
			lbf・ft	80.4	105	150	207
	Nozzle Touch Force		kN	17.6			
			US Ton	2.0			
GENERAL	Main Breaker Capacity	STD	A	75			
	Apparent Power		kVA	17.6		21.0	
	Main Breaker Capacity	HIGH SPEED 1	A	75			
	Apparent Power		kVA	23.2		28.1	
	Main Breaker Capacity	HIGH SPEED 2	A	75		100	
	Apparent Power		kVA	34.5		42.0	
	Heater Capacity		kW	4.8		6.6	
	Machine Dimensions L x W x H		m	3.7 x 1.3 x 1.8		3.9 x 1.3 x 1.8	
			ft	12.0 x 4.0 x 5.9		12.6 x 4.0 x 5.9	
	Machine Weight		t	3.1		3.2	
			US Ton	3.4		3.5	

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 9.3in(H) x 8.3in(V), 235mm(H) x 210mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC85SXIII Specifications

	ITEM		Unit	EC85SXIII				
CLAMP	Clamping Force		tf	75				
			US Ton	83				
	Tie Bar Distance (HxV)		mm	410 x 360				
			in	16.1 x 14.2				
	Platen Dimension (HxV)		mm	580 x 530				
			in	22.8 x 20.9				
	Clamp Stroke		mm	300				
			in	11.8				
	Maximum Daylight		mm	770				
			in	30.3				
	Mold Height (Min～Max)		mm	150 ～ 470				
			in	5.9 ～ 18.5				
	Ejector Force		tf	2.0				
			US Ton	2.2				
	Ejector Stroke		mm	70				
			in	2.76				
INJECTION	Injection Unit			U22				
	Barrel Code			1Y	1.5Y	2Y	2A	2B
	Screw Diameter		mm	22	25	28	32	36
			in	0.87	0.98	1.10	1.26	1.42
	Injection Capacity		cm3	38	55	78	102	130
			in3	2.32	3.35	4.81	6.28	7.95
	Shot Volume	PS	g	35	51	72	94	120
			oz	1.23	1.80	2.54	3.32	4.23
		PE	g	28	40	57	75	95
			oz	0.99	1.41	2.01	2.65	3.35
	Maximum Injection Pressure		MPa	270	276	287	220	174
			PSI	39200	40000	41600	31900	25200
	Maximum Holding Pressure		MPa	270	276	287	220	174
			PSI	39200	40000	41600	31900	25200
	Injection Velocity	STD	mm/s	200				
			in/s	7.9				
	Injection Rate	STD	cm3/s	76	98	123	161	204
			in3/s	4.64	5.98	7.51	9.8	12.4
	Injection Velocity	HIGH SPEED 1	mm/s	300				
			in/s	11.8				
	Injection Rate	HIGH SPEED 1	cm3/s	115	147	185	240	304
			in3/s	7.0	9.0	11.3	14.7	18.6
	Injection Velocity	HIGH SPEED 2	mm/s	500				
			in/s	19.7				
	Injection Rate	HIGH SPEED 2	cm3/s	190	245	308	402	509
			in3/s	11.6	15.0	18.8	24.5	31.1
	Plasticizing Capacity	PS	g/sec	6.1	6.9	11.1	16.9	23.1
			oz/sec	0.22	0.24	0.39	0.60	0.81
	Screw Speed		rpm	420	390	400	390	350
	Screw Torque		N･m	143	204	280	407	407
			lbf･ft	105	150	207	300	300
	Nozzle Touch Force		kN	17.6				
			US Ton	2.0				
GENERAL	Main Breaker Capacity	STD	A	75				
	Apparent Power		kVA	17.6	21	25.3		
	Main Breaker Capacity	HIGH SPEED 1	A	75				
	Apparent Power		kVA	23.2	28.1	34.6		
	Main Breaker Capacity	HIGH SPEED 2	A	125				
	Apparent Power		kVA	34.5	42.3	53.1		
	Heater Capacity		kW	4.8	6.6	6.8		7.6
	Machine Dimensions L x W x H		m	4.0 x 1.3 x 1.8		4.1 x 1.3 x 1.8		4.2 x 1.3 x 1.8
			ft	13.2 x 4.0 x 5.9		13.4 x 4.0 x 5.9		13.7 x 4.0 x 5.9
	Machine Weight		t	3.3				
			US Ton	3.6				

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3 : Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 9.3in(H) x 8.3in(V), 235mm(H) x 210mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC110SXIII Specifications

	ITEM		Unit	EC110SXIII								
CLAMP	Clamping Force		tf	100								
			US Ton	110								
	Tie Bar Distance (HxV)		mm	460 x 410								
			in	18.1 x 16.1								
	Platen Dimension (HxV)		mm	660 x 610								
			in	26.0 x 24.0								
	Clamp Stroke		mm	350								
			in	13.8								
	Maximum Daylight		mm	900								
			in	35.4								
	Mold Height (Min～Max)		mm	180 ～ 550								
			in	7.1 ～ 21.7								
	Ejector Force		tf	3.0								
			US Ton	3.3								
	Ejector Stroke		mm	90								
			in	3.54								
INJECTION	Injection Unit			U22			U34					
	Barrel Code			2Y	2A	2B	2Y	2A	4Y	4A	4B	
	Screw Diameter		mm	28	32	36	28	32	36	40	45	
			in	1.10	1.26	1.42	1.10	1.26	1.42	1.57	1.77	
	Injection Capacity		cm3	78	102	130	78	102	162	201	254	
			in3	4.81	6.28	7.95	4.81	6.28	9.94	12.3	15.5	
	Shot Volume	PS	g	72	94	120	72	94	145	180	230	
			oz	2.54	3.32	4.23	2.54	3.32	5.11	6.35	8.11	
		PE	g	57	75	95	57	75	115	145	185	
			oz	2.01	2.65	3.35	2.01	2.65	4.06	5.11	6.52	
	Maximum Injection Pressure		MPa	287	220	174	287	220	247	200	158	
			PSI	41600	31900	25200	41600	31900	35800	29000	22900	
	Maximum Holding Pressure		MPa	287	220	174	287	220	247	200	158	
			PSI	41600	31900	25200	41600	31900	35800	29000	22900	
	Injection Velocity	STD	mm/s	200			200					
			in/s	7.9			7.9					
	Injection Rate	STD	cm3/s	123	161	204	123	161	204	251	318	
			in3/s	7.5	9.8	12.4	7.5	9.8	12.4	15.3	19.4	
	Injection Velocity	HIGH SPEED 1	mm/s	300			300					
			in/s	11.8			11.8					
	Injection Rate	HIGH SPEED 1	cm3/s	185	241	305	185	241	305	377	477	
			in3/s	11.3	14.7	18.6	11.3	14.7	18.6	23.0	29.1	
	Injection Velocity	HIGH SPEED 2	mm/s	500			400					
			in/s	19.7			15.7					
	Injection Rate	HIGH SPEED 2	cm3/s	308	402	509	246	322	407	503	636	
			in3/s	18.8	24.5	31.1	15.0	19.6	24.8	30.7	38.8	
	Plasticizing Capacity	PS	g/sec	11.1	16.9	23.1	11.1	16.9	23.1	30.6	33.3	
			oz/sec	0.39	0.60	0.81	0.39	0.60	0.81	1.1	1.2	
	Screw Speed		rpm	400	390	350	400	390	350	320	285	
	Screw Torque		N･m	280	407	407	280	407	566	761	761	
			lbf･ft	207	300	300	207	300	417	561	561	
	Nozzle Touch Force		kN	17.6			17.6					
			US Ton	2.0			2.0					
GENERAL	Main Breaker Capacity	STD	A	75			100					
	Apparent Power		kVA	25.3			34.6		53.1			
	Main Breaker Capacity	HIGH SPEED 1	A	75			100					
	Apparent Power		kVA	34.6			34.6		47.5			
	Main Breaker Capacity	HIGH SPEED 2	A	125			125					
	Apparent Power		kVA	53.1			53.1		60.6			
	Heater Capacity		kW	6.8		7.6	6.8		11.2		11.9	
	Machine Dimensions L x W x H		m	4.5 x 1.3 x 1.8			4.6 x 1.3 x 1.8		<A,Y> 4.8 x 1.3 x 1.8			
			ft	14.8 x 4.2 x 6.0			14.9 x 4.2 x 6.0		<A,Y> 15.8 x 4.2 x 6.0			
	Machine Weight		t	4.2			4.3		4.3			
			US Ton	4.6			4.7		4.7			

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 10.4in(H) x 9.5in(V), 265mm(H) x 240mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC140SXIII Specifications

	ITEM		Unit	EC140SXIII				
CLAMP	Clamping Force		tf	130				
			US Ton	143				
	Tie Bar Distance (HxV)		mm	510 x 460				
			in	20.1 x 18.1				
	Platen Dimension (HxV)		mm	720 x 670				
			in	28.3 x 26.4				
	Clamp Stroke		mm	400				
			in	15.7				
	Maximum Daylight		mm	950				
			in	37.4				
	Mold Height (Min～Max)		mm	180 ～ 550				
			in	7.1 ～ 21.7				
	Ejector Force		tf	3.0				
			US Ton	3.3				
	Ejector Stroke		mm	90				
			in	3.54				
INJECTION	Injection Unit			U34				
	Barrel Code			2Y	2A	4Y	4A	4B
	Screw Diameter		mm	28	32	36	40	45
			in	1.10	1.26	1.42	1.57	1.77
	Injection Capacity		cm3	78	102	162	201	254
			in3	4.81	6.28	9.94	12.3	15.5
	Shot Volume	PS	g	72	94	145	180	230
			oz	2.54	3.32	5.11	6.35	8.11
		PE	g	57	75	115	145	185
			oz	2.01	2.65	4.06	5.11	6.52
	Maximum Injection Pressure		MPa	287	220	247	200	158
			PSI	41600	31900	35800	29000	22900
	Maximum Holding Pressure		MPa	287	220	247	200	158
			PSI	41600	31900	35800	29000	22900
	Injection Velocity	STD	mm/s	200				
			in/s	7.9				
	Injection Rate	STD	cm3/s	123	161	204	251	318
			in3/s	7.5	9.8	12.4	15.3	19.4
	Injection Velocity	HIGH SPEED 1	mm/s	300				
			in/s	11.8				
	Injection Rate	HIGH SPEED 1	cm3/s	185	241	305	377	477
			in3/s	11.3	14.7	18.6	23.0	29.1
	Injection Velocity	HIGH SPEED 2	mm/s	400				
			in/s	15.7				
	Injection Rate	HIGH SPEED 2	cm3/s	246	322	407	503	636
			in3/s	15.0	19.6	24.8	30.7	38.8
	Plasticizing Capacity	PS	g/sec	11.1	16.9	23.1	30.6	33.3
			oz/sec	0.39	0.60	0.81	1.1	1.2
	Screw Speed		rpm	400	390	350	320	285
	Screw Torque		N･m	280	407	566	761	761
			lbf･ft	207	300	417	561	561
	Nozzle Touch Force		kN	17.6				
			US Ton	2.0				
GENERAL	Main Breaker Capacity	STD	A	100				
	Apparent Power		kVA	25.3		34.3		
	Main Breaker Capacity	HIGH SPEED 1	A	100				
	Apparent Power		kVA	34.6		47.5		
	Main Breaker Capacity	HIGH SPEED 2	A	125				
	Apparent Power		kVA	53.1		60.6		
	Heater Capacity		kW	6.8		11.2		11.9
	Machine Dimensions L x W x H		m	4.8 x 1.5 x 1.7		5.0 x 1.5 x 1.9		5.1 x 1.5 x 1.9
			ft	15.5 x 4.7 x 6.2		16.4 x 4.7 x 6.2		16.7 x 4.7 x 6.2
	Machine Weight		t	5.3		5.3		
			US Ton	5.8		5.8		

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 11.6in(H) x 10.6in(V), 295mm(H) x 270mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC200SXIII Specifications

	ITEM		Unit	EC200SXIII								
CLAMP	Clamping Force		tf	180								
			US Ton	198								
	Tie Bar Distance (HxV)		mm	560 x 510								
			in	22.0 x 20.1								
	Platen Dimension (HxV)		mm	790 x 740								
			in	31.1 x 29.1								
	Clamp Stroke		mm	450								
			in	17.7								
	Maximum Daylight		mm	1050								
			in	41.3								
	Mold Height (Min～Max)		mm	200 ～ 600								
			in	7.87 ～ 23.6								
	Ejector Force		tf	5.0								
			US Ton	5.5								
	Ejector Stroke		mm	130								
			in	5.12								
INJECTION	Injection Unit			U34			U48					
	Barrel Code			4Y	4A	4B	4Y	6Y	8Y	8A	8B	
	Screw Diameter		mm	36	40	45	36	40	45	50	55	
			in	1.42	1.57	1.77	1.42	1.57	1.77	1.97	2.17	
	Injection Capacity		cm3	162	201	254	162	226	318	392	475	
			in3	9.94	12.3	15.5	9.94	13.8	19.4	24.0	29.0	
	Shot Volume	PS	g	145	180	230	145	208	292	361	437	
			oz	5.11	6.35	8.11	5.11	7.34	10.3	12.7	15.4	
		PE	g	115	145	185	115	165	232	286	346	
			oz	4.06	5.11	6.52	4.06	5.82	8.18	10.1	12.2	
	Maximum Injection Pressure		MPa	247	200	158	247	253	247	200	165	
			PSI	35800	29000	22900	35800	36700	35800	29000	23900	
	Maximum Holding Pressure		MPa	247	200	158	247	253	247	200	165	
			PSI	35800	29000	22900	35800	36700	35800	29000	23900	
	Injection Velocity	STD	mm/s	200			160					
			in/s	7.9			6.3					
	Injection Rate	STD	cm3/s	204	251	318	163	201	254	314	380	
			in3/s	12.4	15.3	19.4	9.9	12.3	15.5	19.2	23.2	
	Injection Velocity	HIGH SPEED 1	mm/s	300			250					
			in/s	11.8			9.8					
	Injection Rate	HIGH SPEED 1	cm3/s	305	377	477	254	315	398	492	593	
			in3/s	18.6	23.0	29.1	15.5	19.2	24.3	30.0	36.2	
	Injection Velocity	HIGH SPEED 2	mm/s	400			350					
			in/s	15.7			13.8					
	Injection Rate	HIGH SPEED 2	cm3/s	407	503	636	356	440	557	687	832	
			in3/s	24.8	30.7	38.8	21.7	26.9	34.0	41.9	50.8	
	Plasticizing Capacity	PS	g/sec	23.1	30.6	33.3	23.1	30.6	33.3	44.4	52.8	
			oz/sec	0.81	1.1	1.2	0.81	1.1	1.18	1.57	1.86	
	Screw Speed		rpm	350	320	285	285	285	285	255	230	
	Screw Torque		N･m	566	761	761	566	761	1058	1421	1421	
			lbf･ft	417	561	561	417	561	780	1048	1048	
	Nozzle Touch Force		kN	29.4			29.4					
			US Ton	3.3			3.3					
GENERAL	Main Breaker Capacity	STD	A	100			125					
	Apparent Power		kVA	34.3			34.3	36.4	42.4			
	Main Breaker Capacity	HIGH SPEED 1	A	100			125					
	Apparent Power		kVA	47.5			47.5	58.6	60.5			
	Main Breaker Capacity	HIGH SPEED 2	A	125			175					
	Apparent Power		kVA	60.6			60.6	75.3	81.1			
	Heater Capacity		kW	11.2		11.9	11.2	13.6	15.2		15.8	
	Machine Dimensions L x W x H		m	5.7 x 1.6 x 2.0			5.8 x 1.6 x 2.0	5.9 x 1.6 x 2.0	<A,Y> 6.0 x 1.6 x 2.0			
			ft	18.7 x 5.0 x 6.6			18.8 x 5.0 x 6.6	19.3 x 5.0 x 6.6	<A,Y> 19.6 x 5.0 x 6.6			
	Machine Weight		t	7.0			7.3	7.3	7.3			
			US Ton	7.7			8.0	8.0	8.0			

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 12.8in(H) x 11.8in(V), 325mm(H) x 300mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC250SXIII Specifications

	ITEM		Unit	EC250SXIII							
CLAMP	Clamping Force		tf	230							
			US Ton	254							
	Tie Bar Distance (HxV)		mm	610 x 560							
			in	24.0 x 22.0							
	Platen Dimension (HxV)		mm	880 x 830							
			in	34.6 x 32.7							
	Clamp Stroke		mm	550							
			in	21.7							
	Maximum Daylight		mm	1230							
			in	48.4							
	Mold Height (Min～Max)		mm	250 ～ 680							
			in	9.84 ～ 26.8							
	Ejector Force		tf	5.0							
			US Ton	5.5							
	Ejector Stroke		mm	130							
			in	5.12							
INJECTION	Injection Unit			U48					U5		
	Barrel Code			4Y	6Y	8Y	8A	8B	17Y	17AT	17B
	Screw Diameter		mm	36	40	45	50	55	50	60	70
			in	1.42	1.57	1.77	1.97	2.17	1.97	2.36	2.76
	Injection Capacity		cm3	162	226	318	392	475	589	848	1155
			in3	9.94	13.8	19.4	24.0	29.0	35.9	51.8	70.5
	Shot Volume	PS	g	145	208	292	361	437	542	780	1062
			oz	5.11	7.34	10.3	12.7	15.4	19.1	27.5	37.5
		PE	g	115	165	232	286	346	430	619	842
			oz	4.06	5.82	8.18	10.1	12.2	15.2	21.8	29.7
	Maximum Injection Pressure		MPa	247	253	247	200	165	288	200	147
			PSI	35800	36700	35800	29000	23900	41700	29000	21300
	Maximum Holding Pressure		MPa	247	253	247	200	165	288	200	147
			PSI	35800	36700	35800	29000	23900	41700	29000	21300
	Injection Velocity	STD	mm/s	160					160		
			in/s	6.3					6.3		
	Injection Rate	STD	cm3/s	163	201	254	314	380	314	452	616
			in3/s	9.9	12.3	15.5	19.2	23.2	19.2	27.6	37.6
	Injection Velocity	HIGH SPEED 1	mm/s	250					300		
			in/s	9.8					11.8		
	Injection Rate	HIGH SPEED 1	cm3/s	254	315	398	492	593	589	848	1155
			in3/s	15.5	19.2	24.3	30.0	36.2	35.9	51.7	70.5
	Injection Velocity	HIGH SPEED 2	mm/s	350					—		
			in/s	13.8					—		
	Injection Rate	HIGH SPEED 2	cm3/s	356	440	557	687	832	—	—	—
			in3/s	21.7	26.9	34.0	41.9	50.8	—	—	—
	Plasticizing Capacity (PS)	STD	g/sec	23.1	30.6	33.3	44.4	52.8	44.4	63.9	75.0
			oz/sec	0.81	1.10	1.18	1.57	1.86	1.57	2.25	2.65
		HIGH TORQUE	g/sec	—	—	—	—	—	—	52.8	64.6
			oz/sec	—	—	—	—	—	—	1.86	2.28
	Screw Speed	STD	rpm	350	320	285	255	230	255	220	180
		HIGH TORQUE		—	—	—	—	—	—	180	155
	Screw Torque	STD	N・m	566	761	1058	1421	1421	1421	2360	2360
			lbf・ft	417	561	780	1048	1048	1048	1746	1746
		HIGH TORQUE	N・m	—	—	—	—	—	—	2900	2900
			lbf・ft	—	—	—	—	—	—	2139	2139
	Nozzle Touch Force		kN	29.4					29.4		
			US Ton	3.3					3.3		
GENERAL	Main Breaker Capacity	STD	A	125					175		
	Apparent Power		kVA	34.3	36.4	42.4			61.3		
	Main Breaker Capacity	HIGH SPEED 1	A	125					125		
	Apparent Power		kVA	47.5	58.6	60.5			103		
	Main Breaker Capacity	HIGH SPEED 2	A	175					—		
	Apparent Power		kVA	60.6	75.3	81.1			—		
	Heater Capacity		kW	11.2	13.6	15.2		15.8	21.7	25.5	
	Machine Dimensions L x W x H		m	6.0 x 1.7 x 2.0	6.2 x 1.7 x	6.4 x 1.7 x 2.0			6.6 x 1.8 x	6.7 x 1.8 x 2.2	
			ft	19.6 x 5.4 x 6.5	20.4 x 5.4 x	21.0 x 5.4 x 6.5			21.6 x 5.8 x	21.8 x 5.8 x 7.3	
	Machine Weight		t	9.3		9.3			12.4		
			US Ton	10.2		10.2			13.7		

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 14.2in(H) x 13.2in(V), 360mm(H) x 335mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC310SXIII Specifications

	ITEM		Unit	EC310SXIII					
CLAMP	Clamping Force		tf	280					
			US Ton	308					
	Tie Bar Distance (HxV)		mm	730 x 660					
			in	28.7 x 26.0					
	Platen Dimension (HxV)		mm	1030 x 960					
			in	40.6 x 37.8					
	Clamp Stroke		mm	600					
			in	23.6					
	Maximum Daylight		mm	1350					
			in	53.1					
	Mold Height (Min～Max)		mm	250 ～ 750					
			in	9.8 ～ 29.5					
	Ejector Force		tf	6.0					
			US Ton	6.6					
	Ejector Stroke		mm	150					
			in	5.9					
INJECTION	Injection Unit			i10			i17		
	Barrel Code			Y	A	B	Y	AT	B
	Screw Diameter		mm	45	50	55	50	60	70
			in	1.77	1.97	2.17	1.97	2.36	2.76
	Injection Capacity		cm3	397	490	593	589	848	1155
			in3	24.3	30.0	36.2	35.9	51.8	70.5
	Shot Volume	PS	g	365	450	545	542	780	1062
			oz	12.9	15.9	19.2	19.1	27.5	37.5
		PE	g	289	357	432	430	619	842
			oz	10.2	12.6	15.2	15.2	21.8	29.7
	Maximum Injection Pressure		MPa	247	200	165	288	200	147
			PSI	35800	29000	23900	41700	29000	21300
	Maximum Holding Pressure		MPa	247	200	165	288	200	147
			PSI	35800	29000	23900	41700	29000	21300
	Injection Velocity	STD	mm/s	160			160		
			in/s	6.3			6.3		
	Injection Rate	STD	cm3/s	254	314	380	314	452	616
			in3/s	15.5	19.2	23.2	19.2	27.6	37.6
	Injection Velocity	HIGH SPEED 1	mm/s	250			300		
			in/s	9.8			11.8		
	Injection Rate	HIGH SPEED 1	cm3/s	398	491	593	589	848	1155
			in3/s	24.3	30.0	36.2	35.9	51.7	70.5
	Injection Velocity	HIGH SPEED 2	mm/s	350			—		
			in/s	13.8			—		
	Injection Rate	HIGH SPEED 2	cm3/s	556	687	831	—	—	—
			in3/s	34.0	41.9	50.7	—	—	—
	Plasticizing Capacity (PS)	STD	g/sec	33.3	44.4	52.8	44.4	63.9	75.0
			oz/sec	1.18	1.57	1.86	1.57	2.25	2.65
		HIGH TORQUE	g/sec	—	—	—	—	52.8	64.6
			oz/sec	—	—	—	—	1.86	2.28
	Screw Speed	STD	rpm	285	255	230	255	220	180
		HIGH TORQUE	rpm	—	—	—	—	180	155
	Screw Torque	STD	N・m	1058	1421	1421	1421	2360	2360
			lbf・ft	780	1048	1048	1048	1746	1746
		HIGH TORQUE	N・m	—	—	—	—	2900	2900
			lbf・ft	—	—	—	—	2139	2139
	Nozzle Touch Force		kN	29.4			29.4		
			US Ton	3.3			3.3		
GENERAL	Main Breaker Capacity	STD	A	125			175		
	Apparent Power		kVA	42.4			61.3		
	Main Breaker Capacity	HIGH SPEED 1	A	125			225		
	Apparent Power		kVA	60.5			102.8		
	Main Breaker Capacity	HIGH SPEED 2	A	175			—		
	Apparent Power		kVA	81.1			—		
	Heater Capacity		kW	15.2		15.8	21.7	25.5	
	Machine Dimensions L x W x H		m	6.7 x 2.0 x 2.3		6.8 x 2.0 x 2.3	6.7 x 2.0 x 2.3	7.0 x 2.0 x 2.3	
			ft	22.1 x 6.4 x 7.4		22.3 x 6.4 x 7.4	22.1 x 6.4 x 7.4	22.8 x 6.4 x 7.4	
	Machine Weight		t	12.5			13.7		
			US Ton	13.7			15.1		

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions.4: Min. mold dimensions are 16.7in(H) x 15.4in(V), 425mm(H) x 390mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC390SXIII Specifications

	ITEM		Unit	EC390SXIII								
CLAMP	Clamping Force		tf	350								
			US Ton	385								
	Tie Bar Distance (HxV)		mm	820 x 740								
			in	32.3 x 29.1								
	Platen Dimension (HxV)		mm	1110 x 1030								
			in	43.7 x 40.6								
	Clamp Stroke		mm	650								
			in	25.6								
	Maximum Daylight		mm	1470								
			in	57.9								
	Mold Height (Min～Max)		mm	300 ～ 820								
			in	11.8 ～ 32.3								
	Ejector Force		tf	6.0								
			US Ton	6.6								
	Ejector Stroke		mm	150								
			in	5.9								
INJECTION	Injection Unit			i10			i17			i26		
	Barrel Code			Y	A	B	Y	AT	B	Y	AT	B
	Screw Diameter		mm	45	50	55	50	60	70	60	70	80
			in	1.77	1.97	2.17	1.97	2.36	2.76	2.36	2.76	3.15
	Injection Capacity		cm3	397	490	593	589	848	1155	990	1340	1750
			in3	24.3	30.0	36.2	35.9	51.8	70.5	60.4	82.2	107.4
	Shot Volume	PS	g	365	450	545	542	780	1063	910	1230	1610
			oz	12.9	15.9	19.2	19.1	27.5	37.5	31.9	43.4	56.8
		PE	g	289	357	432	430	619	843	720	980	1280
			oz	10.2	12.6	15.2	15.2	21.8	29.7	25.4	34.6	45.2
	Maximum Injection Pressure		MPa	247	200	165	288	200	147	258	190	145
			PSI	35800	29000	23900	41700	29000	21300	37400	27500	21000
	Maximum Holding Pressure		MPa	247	200	165	288	200	147	217	160	122
			PSI	35800	29000	23900	41700	29000	21300	31400	23200	17600
	Injection Velocity	STD	mm/s	160			160			160		
			in/s	6.3			6.3			6.3		
	Injection Rate	STD	cm3/s	254	314	380	314	452	616	452	615	804
			in3/s	15.5	19.2	23.2	19.2	27.6	37.6	27.6	37.5	49.1
	Injection Velocity	HIGH SPEED 1	mm/s	250			300			—		
			in/s	9.8			11.8			—		
	Injection Rate	HIGH SPEED 1	cm3/s	398	491	593	589	848	1155	—	—	—
			in3/s	24.3	30.0	36.2	35.9	51.7	70.5	—	—	—
	Injection Velocity	HIGH SPEED 2	mm/s	350			—			—		
			in/s	13.8			—			—		
	Injection Rate	HIGH SPEED 2	cm3/s	556	687	831	—	—	—	—	—	—
			in3/s	34.0	41.9	50.7	—	—	—	—	—	—
	Plasticizing Capacity (PS)	STD	g/sec	33.3	44.4	52.8	44.4	63.9	75.0	61.2	72.2	94.4
			oz/sec	1.18	1.57	1.86	1.57	2.25	2.65	2.16	2.55	3.33
		HIGH TORQUE	g/sec	—	—	—	—	52.8	64.6	—	47.2	63.9
			oz/sec	—	—	—	—	1.86	2.28	—	1.67	2.25
	Screw Speed	STD	rpm	285	255	230	255	220	180	210	180	170
		HIGH TORQUE	rpm	—	—	—	—	180	155	—	120	120
	Screw Torque	STD	N･m	1058	1421	1421	1421	2360	2360	2580	2580	2580
			lbf･ft	780	1048	1048	1048	1746	1746	1900	1900	1900
		HIGH TORQUE	N･m	—	—	—	—	2900	2900	—	3310	3310
			lbf･ft	—	—	—	—	2139	2139	—	2440	2440
	Nozzle Touch Force		kN	29.4			29.4			44.1		
			US Ton	3.3			3.3			5.0		
GENERAL	Main Breaker Capacity	STD	A	125			175			200		
	Apparent Power		kVA	42.4			61.3			73		
	Main Breaker Capacity	HIGH SPEED 1	A	125			225			—		
	Apparent Power		kVA	60.5			102.8			—		
	Main Breaker Capacity	HIGH SPEED 2	A	175			—			—		
	Apparent Power		kVA	81.1			—			—		
	Heater Capacity		kW	15.2		15.8	21.7	25.5		22.3	26.5	
	Machine Dimensions L x W x H		m	<A,Y> 7.1 x 2.1 x 2.3			7.1x2.1x2.3	7.3 x 2.1 x 2.3		7.4x2.1x2.3	7.7 x 2.1 x 2.3	
			ft	<A,Y> 23.3 x 6.6 x 7.4			23.3x6.6x7.4	23.8 x 6.6 x 7.4		24.1x6.6x7.4	25.3 x 6.6 x 7.4	
	Machine Weight		t	15.3			16.5			17.5		
			US Ton	16.9			18.2			19.3		

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 18.5in(H) x 16.9in(V), 470mm(H) x 430mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC500SXIII Specifications

	ITEM		Unit	EC500SXIII								
CLAMP	Clamping Force		tf	450								
			US Ton	496								
	Tie Bar Distance (HxV)		mm	870 x 810								
			in	34.2 x 31.8								
	Platen Dimension (HxV)		mm	1230 x 1160								
			in	48.4 x 45.7								
	Clamp Stroke		mm	800								
			in	31.5								
	Maximum Daylight		mm	1800								
			in	70.9								
	Mold Height (Min～Max)		mm	350 ～ 1000								
			in	13.8 ～ 39.4								
	Ejector Force		tf	12.9								
			US Ton	14.2								
	Ejector Stroke		mm	180								
			in	7.1								
INJECTION	Injection Unit			i17			i26			i36		
	Barrel Code			Y	AT	B	Y	AT	B	Y	AT	B
	Screw Diameter		mm	50	60	70	60	70	80	70	80	90
			in	1.97	2.36	2.76	2.36	2.76	3.15	2.76	3.15	3.54
	Injection Capacity		cm3	589	848	1150	989	1340	1750	1440	1880	2380
			in3	35.9	51.7	70.2	60.4	81.8	106.8	87.9	114.7	145.2
	Shot Volume	PS	g	541	780	1060	910	1230	1610	1320	1730	2190
			oz	19.1	27.5	37.4	32.1	43.4	56.8	46.6	61.0	77.3
		PE	g	430	619	842	722	983	1280	1050	1370	1740
			oz	15.2	21.8	29.7	25.5	34.7	45.2	37.0	48.3	61.4
	Maximum Injection Pressure		MPa	288	200	147	242	190	145	237	190	150
			PSI	41600	29000	21100	34900	27400	20900	34200	27400	21700
	Maximum Holding Pressure		MPa	288	200	147	217	160	122	199	160	126
			PSI	41600	29000	21100	31400	23100	17600	28700	23100	18200
	Injection Velocity	STD	mm/s	160			160			140		
			in/s	6.2			6.2			5.5		
	Injection Rate	STD	cm3/s	314	452	615	452	615	804	538	703	890
			in3/s	19.1	27.5	37.5	27.5	37.5	49.0	32.8	42.8	54.3
	Injection Velocity	HIGH SPEED	mm/s	300			—			—		
			in/s	11.8			—			—		
	Injection Rate	HIGH SPEED	cm3/s	589	848	1150	—	—	—	—	—	—
			in3/s	35.9	51.7	70.1	—	—	—	—	—	—
	Plasticizing Capacity (PS)	STD	g/sec	44.4	63.9	75.0	61.1	72.2	94.4	72.2	94.4	111.1
			oz/sec	1.57	2.25	2.64	2.16	2.55	3.31	2.54	3.31	3.92
		HIGH TORQUE	g/sec	—	52.8	64.6	—	47.2	63.9	—	61.1	77.8
			oz/sec	—	1.86	2.28	—	1.66	2.25	—	2.16	2.74
	Screw Speed	STD	rpm	255	220	180	210	180	170	180	170	150
		HIGH TORQUE	rpm	—	180	155	—	120	120	—	115	115
	Screw Torque	STD	N･m	1420	2360	2360	2580	2580	2580	3310	3310	3310
			lbf･ft	1040	1740	1740	1900	1900	1900	2440	2440	2440
		HIGH TORQUE	N･m	—	2900	2900	—	3310	3310	—	4610	4610
			lbf･ft	—	2130	2130	—	2440	2440	—	3400	3400
	Nozzle Touch Force		kN	29.4			44.1			58.8		
			US Ton	3.3			4.9			6.6		
GENERAL	Main Breaker Capacity	STD	A	175			200			200		
	Apparent Power		kVA	72			78			85		
	Main Breaker Capacity	HIGH SPEED	A	225			—			—		
	Apparent Power		kVA	98			—			—		
	Heater Capacity		kW	22.4	26.4		22.6	26.8		29.9	34.4	
	Machine Dimensions L x W x H		m	8.1 x 2.2 x 2.2			8.1 x 2.2 x 2.3			8.4x2.2x2.4	8.6 x 2.2 x 2.4	
			ft	26.2 x 7.2 x 7.5			26.6 x 7.2 x 7.5			27.6x7.2x7.9	28.2 x 7.2 x	
	Machine Weight		t	21.7			22.5			23.9		
			US Ton	23.9			24.8			26.3		

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 19.7in(H) x 19.7in(V), 500mm(H) x 500mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC610SXIII Specifications

	ITEM		Unit	EC610SXIII								
CLAMP	Clamping Force		tf	550								
			US Ton	606								
	Tie Bar Distance (HxV)		mm	970 x 910								
			in	38.1 x 35.8								
	Platen Dimension (HxV)		mm	1365 x 1300								
			in	53.7 x 51.2								
	Clamp Stroke		mm	900								
			in	35.4								
	Maximum Daylight		mm	1900								
			in	74.8								
	Mold Height (Min～Max)		mm	400 ～ 1000								
			in	15.7 ～ 39.4								
	Ejector Force		tf	12.9								
			US Ton	14.3								
	Ejector Stroke		mm	180								
			in	7.1								
INJECTION	Injection Unit			i17			i26			i36		
	Barrel Code			Y	AT	B	Y	AT	B	Y	AT	B
	Screw Diameter		mm	50	60	70	60	70	80	70	80	90
			in	1.97	2.36	2.76	2.36	2.76	3.15	2.76	3.15	3.54
	Injection Capacity		cm3	589	848	1150	989	1340	1750	1440	1880	2380
			in3	35.9	51.7	70.2	60.4	81.8	106.8	87.9	114.7	145.2
	Shot Volume	PS	g	541	780	1060	910	1230	1610	1320	1730	2190
			oz	19.1	27.5	37.4	32.1	43.4	56.8	46.6	61.0	77.3
		PE	g	430	619	842	722	983	1280	1050	1370	1740
			oz	15.2	21.8	29.7	25.5	34.7	45.2	37.0	48.3	61.4
	Maximum Injection Pressure		MPa	288	200	147	242	190	145	237	190	150
			PSI	41600	29000	21100	34900	27400	20900	34200	27400	21700
	Maximum Holding Pressure		MPa	288	200	147	217	160	122	199	160	126
			PSI	41600	29000	21100	31400	23100	17600	28700	23100	18200
	Injection Velocity	STD	mm/s	160			160			140		
			in/s	6.2			6.2			5.5		
	Injection Rate	STD	cm3/s	314	452	615	452	615	804	538	703	890
			in3/s	19.1	27.5	37.5	27.5	37.5	49.0	32.8	42.8	54.3
	Injection Velocity	HIGH SPEED	mm/s	300			—			—		
			in/s	11.8			—			—		
	Injection Rate	HIGH SPEED	cm3/s	589	848	1150	—	—	—	—	—	—
			in3/s	35.9	51.7	70.1	—	—	—	—	—	—
	Plasticizing Capacity (PS)	STD	g/sec	44.4	63.9	75.0	61.1	72.2	94.4	72.2	94.4	111.1
			oz/sec	1.57	2.25	2.64	2.16	2.55	3.31	2.54	3.31	3.92
		HIGH TORQUE	g/sec	—	52.8	64.6	—	47.2	63.9	—	61.1	77.8
			oz/sec	—	1.86	2.28	—	1.66	2.25	—	2.16	2.74
	Screw Speed	STD	rpm	255	220	180	210	180	170	180	170	150
		HIGH TORQUE	rpm	—	180	155	—	120	120	—	115	115
	Screw Torque	STD	N・m	1420	2360	2360	2580	2580	2580	3310	3310	3310
			lbf・ft	1040	1740	1740	1900	1900	1900	2440	2440	2440
		HIGH TORQUE	N・m	—	2900	2900	—	3310	3310	—	4610	4610
			lbf・ft	—	2130	2130	—	2440	2440	—	3400	3400
	Nozzle Touch Force		kN	29.4			44.1			58.8		
			US Ton	3.3			4.9			6.6		
GENERAL	Main Breaker Capacity	STD	A	175			200			200		
	Apparent Power		kVA	72			72			84		
	Main Breaker Capacity	HIGH SPEED	A	225			—			—		
	Apparent Power		kVA	98			—			—		
	Heater Capacity		kW	22.4	26.4		22.6	26.8		29.9	34.4	
	Machine Dimensions L x W x H		m	8.4 x 2.3 x 2.3			8.4 x 2.3 x 2.3			8.7x2.3x2.4	8.9 x 2.3 x 2.4	
			ft	27.6 x 7.5 x 7.5			27.5 x 7.5 x 7.5			28.5x7.5x7.9	29.2 x 7.5 x 7.9	
	Machine Weight		t	26.3			27.1			28.5		
			US Ton	29.0			29.9			31.4		

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 22.3in(H) x 21.1in(V), 565mm(H) x 535mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC610SXIII Specifications (cont.)

	ITEM		Unit	EC610SXIII		
CLAMP	Clamping Force		tf	550		
			US Ton	606		
	Tie Bar Distance (HxV)		mm	970 x 910		
			in	38.1 x 35.8		
	Platen Dimension (HxV)		mm	1365 x 1300		
			in	53.7 x 51.2		
	Clamp Stroke		mm	900		
			in	35.4		
	Maximum Daylight		mm	1900		
			in	74.8		
	Mold Height (Min～Max)		mm	400 ～ 1000		
			in	15.7 ～ 39.4		
	Ejector Force		tf	12.9		
			US Ton	14.3		
	Ejector Stroke		mm	180		
			in	7.1		
INJECTION	Injection Unit			i61		
	Barrel Code			Y	AT	B
	Screw Diameter		mm	80	95	105
			in	3.15	3.74	4.13
	Injection Capacity		cm3	2230	3150	3850
			in3	136.1	192.2	234.9
	Shot Volume	PS	g	2050	2900	3540
			oz	72.3	102.3	124.9
		PE	g	1630	2300	2810
			oz	57.5	81.1	99.1
	Maximum Injection Pressure		MPa	250	180	147
			PSI	36200	26000	21100
	Maximum Holding Pressure		MPa	210	150	123
			PSI	30400	21700	17700
	Injection Velocity		mm/s	150		
			in/s	5.9		
	Injection Rate		cm3/s	753	1060	1290
			in3/s	45.9	64.6	78.7
	Plasticizing Capacity (PS)	STD	g/sec	77.8	116.7	136.1
			oz/sec	2.74	4.11	4.78
		HIGH TORQUE	g/sec	—	80.6	102.8
			oz/sec	—	2.83	3.61
	Screw Speed	STD	rpm	140	140	127
		HIGH TORQUE	rpm	—	95	95
	Screw Torque	STD	N・m	5500	5500	5500
			lbf・ft	4050	4050	4050
		HIGH TORQUE	N・m	—	7090	7090
			lbf・ft	—	5220	5220
	Nozzle Touch Force		kN	58.8		
			US Ton	6.6		
GENERAL	Main Breaker Capacity		A	300		
	Apparent Power		kVA	115		
	Heater Capacity		kW	44.4		
	Machine Dimensions L x W x H		m	9.5 x 2.3 x 2.7		
			ft	30.9 x 7.3 x 8.6		
	Machine Weight		t	34.8		
			US Ton	38.4		

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 22.3in(H) x 21.1in(V), 565mm(H) x 535mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent Power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC720SXIII Specifications

	ITEM		Unit	EC720SXIII					
CLAMP	Clamping Force		tf	650					
			US Ton	716					
	Tie Bar Distance (HxV)		mm	1060 x 960					
			in	41.7 x 37.7					
	Platen Dimension (HxV)		mm	1500 x 1400					
			in	59.1 x 55.1					
	Clamp Stroke		mm	1000					
			in	39.4					
	Maximum Daylight		mm	2050					
			in	80.7					
	Mold Height (Min～Max)		mm	450 ～ 1050					
			in	17.7 ～ 41.3					
	Ejector Force		tf	18.0					
			US Ton	19.8					
	Ejector Stroke		mm	200					
			in	7.9					
INJECTION	Injection Unit			i61			i78		
	Barrel Code			Y	AT	B	Y	AT	B
	Screw Diameter		mm	80	95	105	95	105	120
			in	3.15	3.74	4.13	3.74	4.13	4.72
	Injection Capacity		cm3	2230	3150	3850	3540	4320	5650
			in3	136.1	192.2	234.9	216.0	263.6	344.8
	Shot Volume	PS	g	2050	2900	3540	3260	3980	5200
			oz	72.3	102.3	124.9	115.0	140.4	183.4
		PE	g	1630	2300	2810	2580	3160	4120
			oz	57.5	81.1	99.1	91.0	111.5	145.3
	Maximum Injection Pressure		MPa	250	180	147	235	180	138
			PSI	36200	26000	21100	33900	26000	19900
	Maximum Holding Pressure		MPa	210	150	123	208	150	115
			PSI	30400	21700	17700	30100	21700	16600
	Injection Velocity		mm/s	150			150		
			in/s	5.9			5.9		
	Injection Rate		cm3/s	753	1060	1290	1060	1290	1690
			in3/s	45.9	64.6	78.7	64.6	78.7	103.1
	Plasticizing Capacity (PS)	STD	g/sec	77.8	116.7	136.1	97.2	136.1	161.1
			oz/sec	2.74	4.11	4.78	3.42	4.78	5.67
		HIGH TORQUE	g/sec	—	80.6	102.8	—	75.0	102.8
			oz/sec	—	2.83	3.61	—	2.64	3.61
	Screw Speed	STD	rpm	140	140	127	127	127	110
		HIGH TORQUE	rpm	—	95	95	—	71	71
	Screw Torque	STD	N・m	5500	5500	5500	5500	7090	7090
			lbf・ft	4050	4050	4050	4050	5220	5220
		HIGH TORQUE	N・m	—	7090	7090	—	10300	10300
			lbf・ft	—	5220	5220	—	7590	7590
	Nozzle Touch Force		kN	58.8			58.8		
			US Ton	6.6			6.6		
GENERAL	Main Breaker Capacity		A	300			350		
	Apparent Power		kVA	115			141		
	Heater Capacity		kW	44.4			56.9		
	Machine Dimensions L x W x H		m	9.7 x 2.5 x 2.6			10.3 x 2.5 x 2.7		
			ft	31.8 x 8.2 x 8.5			33.8 x 8.2 x 8.9		
	Machine Weight		t	40.0			41.5		
			US Ton	44.1			45.7		

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 34.7in(H) x 34.7in(V), 880mm(H) x 880mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC950SXIII Specifications

	ITEM		Unit	EC950SXIII							
CLAMP	Clamping Force		tf	850							
			US Ton	937							
	Tie Bar Distance (HxV)		mm	1320 x 1320							
			in	51.9 x 51.9							
	Platen Dimension (HxV)		mm	1790 x 1790							
			in	70.5 x 70.5							
	Clamp Stroke		mm	1200							
			in	47.2							
	Maximum Daylight		mm	2300							
			in	90.6							
	Mold Height (Min～Max)		mm	500 ～ 1100							
			in	19.7 ～ 43.3							
	Ejector Force		tf	18.0							
			US Ton	19.8							
	Ejector Stroke		mm	200							
			in	7.9							
INJECTION	Injection Unit			i61			i78			i120	
	Barrel Code			Y	AT	B	Y	AT	B	AT	B
	Screw Diameter		mm	80	95	105	95	105	120	115	125
			in	3.15	3.74	4.13	3.74	4.13	4.72	4.53	4.92
	Injection Capacity		cm3	2230	3150	3850	3540	4320	5650	6560	7760
			in3	136.1	192.2	234.9	216.0	263.6	344.8	400.3	473.5
	Shot Volume	PS	g	2050	2900	3540	3260	3980	5200	6040	7140
			oz	72.3	102.3	124.9	115.0	140.4	183.4	213.1	251.9
		PE	g	1630	2300	2810	2580	3160	4120	4790	5660
			oz	57.5	81.1	99.1	91.0	111.5	145.3	169.0	199.7
	Maximum Injection Pressure		MPa	250	180	147	235	180	138	180	152
			PSI	36200	26000	21100	33900	26000	19900	26000	22000
	Maximum Holding Pressure		MPa	210	150	123	208	150	115	150	127
			PSI	30400	21700	17700	30100	21700	16600	21700	18300
	Injection Velocity		mm/s	150			150			140	
			in/s	5.9			5.9			5.5	
	Injection Rate		cm3/s	753	1060	1290	1060	1290	1690	1450	1710
			in3/s	45.9	64.6	78.7	64.6	78.7	103.1	88.4	104.3
	Plasticizing Capacity (PS)	STD	g/sec	77.8	116.7	136.1	97.2	136.1	161.1	144.4	161.1
			oz/sec	2.74	4.11	4.78	3.42	4.78	5.67	5.08	5.67
		HIGH TORQUE	g/sec	—	80.6	102.8	—	75.0	102.8	102.8	122.2
			oz/sec	—	2.83	3.61	—	2.64	3.61	3.61	4.31
	Screw Speed	STD	rpm	140	140	127	127	127	110	110	101
		HIGH TORQUE	rpm	—	95	95	—	71	71	78	78
	Screw Torque	STD	N・m	5500	5500	5500	5500	7090	7090	9150	9150
			lbf・ft	4050	4050	4050	4050	5220	5220	6740	6740
		HIGH TORQUE	N・m	—	7090	7090	—	10300	10300	13700	13700
			lbf・ft	—	5220	5220	—	7590	7590	10100	10100
	Nozzle Touch Force		kN	58.8			58.8			92.4	
			US Ton	6.6			6.6			10.3	
GENERAL	Main Breaker Capacity		A	300			350			400	
	Apparent Power		kVA	115			141			163	
	Heater Capacity		kW	44.4			56.9			68.6	
	Machine Dimensions L x W x H		m	10.6 x 2.9 x 2.7			10.9 x 2.9 x 2.8			11.7 x 2.9 x 2.9	
			ft	34.8 x 9.5 x 8.9			35.8 x 9.5 x 9.2			38.4 x 9.5 x 9.5	
	Machine Weight		t	52.1			53.6			64.0	
			US Ton	57.4			59.1			70.5	

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 34.7in(H) x 34.7in(V), 880mm(H) x 880mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC950SXIIIW Specifications

	ITEM		Unit	EC950SXIIIW							
CLAMP	Clamping Force		tf	850							
			US Ton	937							
	Tie Bar Distance (HxV)		mm	1550 x 1320							
			in	61.0 x 51.9							
	Platen Dimension (HxV)		mm	2020 x 1790							
			in	79.5 x 70.5							
	Clamp Stroke		mm	1200							
			in	47.2							
	Maximum Daylight		mm	2300							
			in	90.6							
	Mold Height (Min～Max)		mm	500 ～ 1100							
			in	19.7 ～ 43.3							
	Ejector Force		tf	18.0							
			US Ton	19.8							
	Ejector Stroke		mm	200							
			in	7.9							
INJECTION	Injection Unit			i61			i78			i120	
	Barrel Code			Y	AT	B	Y	AT	B	AT	B
	Screw Diameter		mm	80	95	105	95	105	120	115	125
			in	3.15	3.74	4.13	3.74	4.13	4.72	4.53	4.92
	Injection Capacity		cm3	2230	3150	3850	3540	4320	5650	6560	7760
			in3	136.1	192.2	234.9	216.0	263.6	344.8	400.3	473.5
	Shot Volume	PS	g	2050	2900	3540	3260	3980	5200	6040	7140
			oz	72.3	102.3	124.9	115.0	140.4	183.4	213.1	251.9
		PE	g	1630	2300	2810	2580	3160	4120	4790	5660
			oz	57.5	81.1	99.1	91.0	111.5	145.3	169.0	199.7
	Maximum Injection Pressure		MPa	250	180	147	235	180	138	180	152
			PSI	36200	26000	21100	33900	26000	19900	26000	22000
	Maximum Holding Pressure		MPa	210	150	123	208	150	115	150	127
			PSI	30400	21700	17700	30100	21700	16600	21700	18300
	Injection Velocity		mm/s	150			150			140	
			in/s	5.9			5.9			5.5	
	Injection Rate		cm3/s	753	1060	1290	1060	1290	1690	1450	1710
			in3/s	45.9	64.6	78.7	64.6	78.7	103.1	88.4	104.3
	Plasticizing Capacity (PS)	STD	g/sec	77.8	116.7	136.1	97.2	136.1	161.1	144.4	161.1
			oz/sec	2.74	4.11	4.78	3.42	4.78	5.67	5.08	5.67
		HIGH TORQUE	g/sec	—	80.6	102.8	—	75.0	102.8	102.8	122.2
			oz/sec	—	2.83	3.61	—	2.64	3.61	3.61	4.31
	Screw Speed	STD	rpm	140	140	127	127	127	110	110	101
		HIGH TORQUE	rpm	—	95	95	—	71	71	78	78
	Screw Torque	STD	N・m	5500	5500	5500	5500	7090	7090	9150	9150
			lbf・ft	4050	4050	4050	4050	5220	5220	6740	6740
		HIGH TORQUE	N・m	—	7090	7090	—	10300	10300	13700	13700
			lbf・ft	—	5220	5220	—	7590	7590	10100	10100
	Nozzle Touch Force		kN	58.8			58.8			92.4	
			US Ton	6.6			6.6			10.3	
GENERAL	Main Breaker Capacity		A	300			350			400	
	Apparent Power		kVA	115			141			163	
	Heater Capacity		kW	44.4			56.9			68.6	
	Machine Dimensions L x W x H		m	10.6 x 3.1 x 2.7			10.9 x 3.1 x 2.8			11.7 x 3.1 x 2.9	
			ft	34.8 x 10.2 x 8.9			35.8 x 10.2 x 9.2			38.4 x 10.2 x 9.5	
	Machine Weight		t	57.3			59.9			70.2	
			US Ton	63.2			66.0			77.4	

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 41.4in(H) x 41.4in(V), 1050mm(H) x 1050mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC1100SXIII Specifications

	ITEM		Unit	EC1100SXIII							
CLAMP	Clamping Force		tf	1000							
			US Ton	1102							
	Tie Bar Distance (HxV)		mm	1300 x 1300							
			in	51.1 x 51.1							
	Platen Dimension (HxV)		mm	1790 x 1790							
			in	70.5 x 70.5							
	Clamp Stroke		mm	1200							
			in	47.2							
	Maximum Daylight		mm	2300							
			in	90.6							
	Mold Height (Min～Max)		mm	500 ～ 1100							
			in	19.7 ～ 43.3							
	Ejector Force		tf	18.0							
			US Ton	19.8							
	Ejector Stroke		mm	200							
			in	7.9							
INJECTION	Injection Unit			i61			i78			i120	
	Barrel Code			Y	AT	B	Y	AT	B	AT	B
	Screw Diameter		mm	80	95	105	95	105	120	115	125
			in	3.15	3.74	4.13	3.74	4.13	4.72	4.53	4.92
	Injection Capacity		cm3	2230	3150	3850	3540	4320	5650	6560	7760
			in3	136.1	192.2	234.9	216.0	263.6	344.8	400.3	473.5
	Shot Volume	PS	g	2050	2900	3540	3260	3980	5200	6040	7140
			oz	72.3	102.3	124.9	115.0	140.4	183.4	213.1	251.9
		PE	g	1630	2300	2810	2580	3160	4120	4790	5660
			oz	57.5	81.1	99.1	91.0	111.5	145.3	169.0	199.7
	Maximum Injection Pressure		MPa	250	180	147	235	180	138	180	152
			PSI	36200	26000	21100	33900	26000	19900	26000	22000
	Maximum Holding Pressure		MPa	210	150	123	208	150	115	150	127
			PSI	30400	21700	17700	30100	21700	16600	21700	18300
	Injection Velocity		mm/s	150			150			140	
			in/s	5.9			5.9			5.5	
	Injection Rate		cm3/s	753	1060	1290	1060	1290	1690	1450	1710
			in3/s	45.9	64.6	78.7	64.6	78.7	103.1	88.4	104.3
	Plasticizing Capacity (PS)	STD	g/sec	77.8	116.7	136.1	97.2	136.1	161.1	144.4	161.1
			oz/sec	2.74	4.11	4.78	3.42	4.78	5.67	5.08	5.67
		HIGH TORQUE	g/sec	—	80.6	102.8	—	75.0	102.8	102.8	122.2
			oz/sec	—	2.83	3.61	—	2.64	3.61	3.61	4.31
	Screw Speed	STD	rpm	140	140	127	127	127	110	110	101
		HIGH TORQUE	rpm	—	95	95	—	71	71	78	78
	Screw Torque	STD	N・m	5500	5500	5500	5500	7090	7090	9150	9150
			lbf・ft	4050	4050	4050	4050	5220	5220	6740	6740
		HIGH TORQUE	N・m	—	7090	7090	—	10300	10300	13700	13700
			lbf・ft	—	5220	5220	—	7590	7590	10100	10100
	Nozzle Touch Force		kN	58.8			58.8			92.4	
			US Ton	6.6			6.6			10.3	
GENERAL	Main Breaker Capacity		A	300			350			400	
	Apparent Power		kVA	115			141			163	
	Heater Capacity		kW	44.4			56.9			68.6	
	Machine Dimensions L x W x H		m	10.6 x 2.9 x 2.7			10.9 x 2.9 x 2.8			11.7 x 2.9 x 2.8	
			ft	34.8 x 9.5 x 8.9			35.8 x 9.5 x 9.2			38.4 x 9.5 x 9.2	
	Machine Weight		t	54.7			56.2			67.0	
			US Ton	60.3			61.9			73.9	

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 34.7in(H) x 34.7in(V), 880mm(H) x 880mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC1450SXIII Specifications

	ITEM			Unit	EC1450SXIII							
CLAMP	Clamping Force			tf	1300							
				US Ton	1433							
	Tie Bar Distance (HxV)			mm	1410 x 1410							
				in	55.5 x 55.5							
	Platen Dimension (HxV)			mm	2000 x 2000							
				in	78.7 x 78.7							
	Clamp Stroke			mm	1500							
				in	59.1							
	Maximum Daylight			mm	2800							
				in	110.2							
	Mold Height (Min～Max)			mm	650 ～ 1300							
				in	25.6 ～ 51.2							
	Ejector Force			tf	28.5							
				US Ton	31.4							
	Ejector Stroke			mm	250							
				in	9.8							
INJECTION	Injection Unit				i120				i155			
	Barrel Code				AT		B		A		B	
					STD	HIGH	STD	HIGH	STD	HIGH	STD	HIGH
	Screw Diameter			mm	115		125		125		140	
				in	4.53		4.92		4.92		5.51	
	Injection Capacity			cm3	6560		7760		8430		10500	
				in3	400.3		473.5		514.4		640.7	
	Shot Volume		PS	g	6040		7140		7760		9730	
				oz	213.1		251.9		273.7		343.2	
			PE	g	4790		5660		6150		7720	
				oz	169.0		199.7		216.9		272.3	
	Maximum Injection Pressure			MPa	180		152		180		143	
				PSI	26000		22000		26000		20600	
	Maximum Holding Pressure			MPa	150		127		150		119	
				PSI	21700		18300		21700		17200	
	Injection Velocity			mm/s	140				135			
				in/s	5.5				5.3			
	Injection Rate			cm3/s	1450		1710		1650		2070	
				in3/s	88.4		104.3		100.6		126.3	
	Plasticizing Capacity		STD (PS)	g/sec	144.4	—	161.1	—	163.9	—	191.7	—
				oz/sec	5.08	—	5.67	—	5.78	—	6.75	—
			HIGH TORQUE (PS)	g/sec	—	102.8	—	122.2	—	—	—	—
				oz/sec	—	3.61	—	4.31	—	—	—	—
			HIGH PLASTICIZATION (PP+TALC)	g/sec	—	—	—	—	—	177.8	—	222.2
				oz/sec	—	—	—	—	—	6.25	—	7.83
	Screw Speed		STD	rpm	110	—	101	—	101	—	90	—
			HIGH TORQUE	rpm	—	78	—	78	—	—	—	—
			HIGH PLASTICIZATION	rpm	—	—	—	—	—	127	—	114
	Screw Torque		STD	N・m	9150	—	9150	—	14500	—	14500	—
				lbf・ft	6740	—	6740	—	10600	—	10600	—
			HIGH TORQUE	N・m	—	13700	—	13700	—	—	—	—
				lbf・ft	—	10100	—	10100	—	—	—	—
			HIGH PLASTICIZATION	N・m	—	—	—	—	—	9260	—	11400
				lbf・ft	—	—	—	—	—	6820	—	8400
	Nozzle Touch Force			kN	92.4				92.4			
				US Ton	10.3				10.3			
GENERAL	Main Breaker Capacity			A	400				500			
	Apparent Power			kVA	163				184			
	Heater Capacity			kW	68.6				69.8		84.8	
	Machine Dimensions L x W x H			m	12.8 x 3.2 x 3.2				13.1 x 3.2 x 3.3		13.4 x 3.2 x 3.3	
				ft	42.3 x 10.5 x 10.5				42.9 x 10.5 x 10.8		44.0 x 10.5 x 10.8	
	Machine Weight			t	89.4				103.0			
				US Ton	98.5				113.5			

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 32.3in(H) x 32.3in(V), 820mm(H) x 820mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC1450SXIIIW Specifications

	ITEM			Unit	EC1450SXIIIW							
CLAMP	Clamping Force			tf	1300							
				US Ton	1433							
	Tie Bar Distance (HxV)			mm	1710 x 1410							
				in	67.3 x 55.5							
	Platen Dimension (HxV)			mm	2300 x 2000							
				in	90.5 x 78.7							
	Clamp Stroke			mm	1500							
				in	59.1							
	Maximum Daylight			mm	2800							
				in	110.2							
	Mold Height (Min～Max)			mm	650 ～ 1300							
				in	25.6 ～ 51.2							
	Ejector Force			tf	28.5							
				US Ton	31.4							
	Ejector Stroke			mm	250							
				in	9.8							
INJECTION	Injection Unit				i120				i155			
	Barrel Code				AT		B		A		B	
					STD	HIGH	STD	HIGH	STD	HIGH	STD	HIGH
	Screw Diameter			mm	115		125		125		140	
				in	4.53		4.92		4.92		5.51	
	Injection Capacity			cm3	6560		7760		8430		10500	
				in3	400.3		473.5		514.4		640.7	
	Shot Volume		PS	g	6040		7140		7760		9730	
				oz	213.1		251.9		273.7		343.2	
			PE	g	4790		5660		6150		7720	
				oz	169.0		199.7		216.9		272.3	
	Maximum Injection Pressure			MPa	180		152		180		143	
				PSI	26000		22000		26000		20600	
	Maximum Holding Pressure			MPa	150		127		150		119	
				PSI	21700		18300		21700		17200	
	Injection Velocity			mm/s	140				135			
				in/s	5.5				5.3			
	Injection Rate			cm3/s	1450		1710		1650		2070	
				in3/s	88.4		104.3		100.6		126.3	
	Plasticizing Capacity		STD (PS)	g/sec	144.4	—	161.1	—	163.9	—	191.7	—
				oz/sec	5.08	—	5.67	—	5.78	—	6.75	—
			HIGH TORQUE (PS)	g/sec	—	102.8	—	122.2	—	—	—	—
				oz/sec	—	3.61	—	4.31	—	—	—	—
			HIGH PLASTICIZATION (PP+TALC)	g/sec	—	—	—	—	—	177.8	—	222.2
				oz/sec	—	—	—	—	—	6.25	—	7.83
	Screw Speed		STD	rpm	110	—	101	—	101	—	90	—
			HIGH TORQUE	rpm	—	78	—	78	—	—	—	—
			HIGH PLASTICIZATION	rpm	—	—	—	—	—	127	—	114
	Screw Torque		STD	N・m	9150	—	9150	—	14500	—	14500	—
				lbf・ft	6740	—	6740	—	10600	—	10600	—
			HIGH TORQUE	N・m	—	13700	—	13700	—	—	—	—
				lbf・ft	—	10100	—	10100	—	—	—	—
			HIGH PLASTICIZATION	N・m	—	—	—	—	—	9260	—	11400
				lbf・ft	—	—	—	—	—	6820	—	8400
	Nozzle Touch Force			kN	92.4				92.4			
				US Ton	10.3				10.3			
GENERAL	Main Breaker Capacity			A	400				500			
	Apparent Power			kVA	163				184			
	Heater Capacity			kW	68.6				69.8		84.8	
	Machine Dimensions L x W x H			m	12.8 x 3.5 x 3.0				13.1 x 3.5 x 3.3		13.4 x 3.5 x 3.3	
				ft	42.3 x 11.5 x 9.8				43.0 x 11.5 x 10.8		44.0 x 11.5 x 10.8	
	Machine Weight			t	95.9				110			
				US Ton	105.7				121.3			

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 38.2in(H) x 32.3in(V), 970mm(H) x 820mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC1600SXIII Specifications

	ITEM		Unit	EC1600SXIII							
CLAMP	Clamping Force		tf	1450							
			US Ton	1598							
	Tie Bar Distance (HxV)		mm	1700 x 1400							
			in	66.9 x 55.1							
	Platen Dimension (HxV)		mm	2300 x 2000							
			in	90.6 x 78.7							
	Clamp Stroke		mm	1500							
			in	59.1							
	Maximum Daylight		mm	2800							
			in	110.2							
	Mold Height (Min～Max)		mm	650 ～ 1300							
			in	25.6 ～ 51.2							
	Ejector Force		tf	28.5							
			US Ton	31.4							
	Ejector Stroke		mm	250							
			in	9.8							
INJECTION	Injection Unit			i120				i155			
	Barrel Code			AT		B		A		B	
				STD	HIGH	STD	HIGH	STD	HIGH	STD	HIGH
	Screw Diameter		mm	115		125		125		140	
			in	4.53		4.92		4.92		5.51	
	Injection Capacity		cm3	6560		7760		8430		10500	
			in3	400.3		473.5		514.4		640.7	
	Shot Volume	PS	g	6040		7140		7760		9730	
			oz	213.1		251.9		273.7		343.2	
		PE	g	4790		5660		6150		7720	
			oz	169.0		199.7		216.9		272.3	
	Maximum Injection Pressure		MPa	180		152		180		143	
			PSI	26000		22000		26000		20600	
	Maximum Holding Pressure		MPa	150		127		150		119	
			PSI	21700		18300		21700		17200	
	Injection Velocity		mm/s	140				135			
			in/s	5.5				5.3			
	Injection Rate		cm3/s	1450		1710		1650		2070	
			in3/s	88.4		104.3		100.6		126.3	
	Plasticizing Capacity	STD (PS)	g/sec	144.4	—	161.1	—	163.9	—	191.7	—
			oz/sec	5.08	—	5.67	—	5.78	—	6.75	—
		HIGH TORQUE (PS)	g/sec	—	102.8	—	122.2	—	—	—	—
			oz/sec	—	3.61	—	4.31	—	—	—	—
		HIGH PLASTICIZATION (PP+TALC)	g/sec	—	—	—	—	—	177.8	—	222.2
			oz/sec	—	—	—	—	—	6.25	—	7.83
	Screw Speed	STD	rpm	110	—	101	—	101	—	90	—
		HIGH TORQUE	rpm	—	78	—	78	—	—	—	—
		HIGH PLASTICIZATION	rpm	—	—	—	—	—	127	—	114
	Screw Torque	STD	N･m	9150	—	9150	—	14500	—	14500	—
			lbf･ft	6740	—	6740	—	10600	—	10600	—
		HIGH TORQUE	N･m	—	13700	—	13700	—	—	—	—
			lbf･ft	—	10100	—	10100	—	—	—	—
		HIGH PLASTICIZATION	N･m	—	—	—	—	—	9260	—	11400
			lbf･ft	—	—	—	—	—	6820	—	8400
	Nozzle Touch Force		kN	92.4				92.4			
			US Ton	10.3				10.3			
GENERAL	Main Breaker Capacity		A	400				500			
	Apparent Power		kVA	163				184			
	Heater Capacity		kW	68.6				69.8		84.8	
	Machine Dimensions L x W x H		m	12.8 x 3.5 x 3.2				13.1 x 3.5 x 3.3		13.4 x 3.5 x 3.3	
			ft	42.3 x 11.5 x 10.5				43.0 x 11.5 x 10.8		44.0 x 11.5 x 10.8	
	Machine Weight		t	97.9				112			
			US Ton	107.9				123.5			

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 45.7in(H) x 38.6in(V), 1160mm(H) x 980mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC1950SXIII Specifications

	ITEM		Unit	EC1950SXIII							
CLAMP	Clamping Force		tf	1800							
			US Ton	1984							
	Tie Bar Distance (HxV)		mm	1850 x 1660							
			in	72.8 x 65.3							
	Platen Dimension (HxV)		mm	2600 x 2350							
			in	102.4 x 92.5							
	Clamp Stroke		mm	1700							
			in	66.9							
	Maximum Daylight		mm	3200							
			in	126.0							
	Mold Height (Min～Max)		mm	800 ～ 1500							
			in	31.5 ～ 59.1							
	Ejector Force		tf	43.9							
			US Ton	48.4							
	Ejector Stroke		mm	300							
			in	11.8							
INJECTION	Injection Unit			i120				i155			
	Barrel Code			AT		B		A		B	
				STD	HIGH	STD	HIGH	STD	HIGH	STD	HIGH
	Screw Diameter		mm	115		125		125		140	
			in	4.53		4.92		4.92		5.51	
	Injection Capacity		cm3	6560		7760		8430		10500	
			in3	400.3		473.5		514.4		640.7	
	Shot Volume	PS	g	6040		7140		7760		9730	
			oz	213.1		251.9		273.7		343.2	
		PE	g	4790		5660		6150		7720	
			oz	169.0		199.7		216.9		272.3	
	Maximum Injection Pressure		MPa	180		152		180		143	
			PSI	26000		22000		26000		20600	
	Maximum Holding Pressure		MPa	150		127		150		119	
			PSI	21700		18300		21700		17200	
	Injection Velocity		mm/s	140				135			
			in/s	5.5				5.3			
	Injection Rate		cm3/s	1450		1710		1650		2070	
			in3/s	88.4		104.3		100.6		126.3	
	Plasticizing Capacity	STD (PS)	g/sec	144.4	—	161.1	—	163.9	—	191.7	—
			oz/sec	5.08	—	5.67	—	5.78	—	6.75	—
		HIGH TORQUE (PS)	g/sec	—	102.8	—	122.2	—	—	—	—
			oz/sec	—	3.61	—	4.31	—	—	—	—
		HIGH PLASTICIZATION (PP+TALC)	g/sec	—	—	—	—	—	177.8	—	222.2
			oz/sec	—	—	—	—	—	6.25	—	7.83
	Screw Speed	STD	rpm	110	—	101	—	101	—	90	—
		HIGH TORQUE	rpm	—	78	—	78	—	—	—	—
		HIGH PLASTICIZATION	rpm	—	—	—	—	—	127	—	114
	Screw Torque	STD	N･m	9150	—	9150	—	14500	—	14500	—
			lbf･ft	6740	—	6740	—	10600	—	10600	—
		HIGH TORQUE	N･m	—	13700	—	13700	—	—	—	—
			lbf･ft	—	10100	—	10100	—	—	—	—
		HIGH PLASTICIZATION	N･m	—	—	—	—	—	9260	—	11400
			lbf･ft	—	—	—	—	—	6820	—	8400
	Nozzle Touch Force		kN	92.4				92.4			
			US Ton	10.3				10.3			
GENERAL	Main Breaker Capacity		A	500				500			
	Apparent Power		kVA	200				210			
	Heater Capacity		kW	68.6				69.8		84.8	
	Machine Dimensions L x W x H		m	13.8 x 3.9 x 3.5				14.0 x 3.9 x 3.5		14.3 x 3.9 x 3.5	
			ft	45.3 x 12.8 x 11.5				45.9 x 12.8 x 11.5		46.9 x 12.8 x 11.5	
	Machine Weight		t	132.0				137.0			
			US Ton	145.5				151.0			

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 51.2in(H) x 46.5in(V), 1300mm(H) x 1180mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.

EC2750SXIII Specifications

	ITEM		Unit	EC2750SXIII		
CLAMP	Clamping Force		tf	2500		
			US Ton	2755		
	Tie Bar Distance (HxV)		mm	2120 x 1820		
			in	83.4 x 71.6		
	Platen Dimension (HxV)		mm	3000 x 2350		
			in	118.1 x 92.5		
	Clamp Stroke		mm	1800		
			in	70.9		
	Maximum Daylight		mm	3500		
			in	137.8		
	Mold Height (Min～Max)		mm	800 ～ 1700		
			in	31.5 ～ 66.9		
	Ejector Force		tf	43.9		
			US Ton	48.4		
	Ejector Stroke		mm	350		
			in	13.8		
INJECTION	Injection Unit			i215		i240
	Barrel Code			A	AM	AM
				STD	HIGH PLASTICIZATION	HIGH PLASTICIZATION
	Screw Diameter		mm	140	140	150
			in	5.51	5.51	5.91
	Injection Capacity		cm3	11800	11800	13600
			in3	720.1	720.1	829.9
	Shot Volume	PS	g	10900	10900	12500
			oz	384.5	384.5	440.9
		PE	g	8650	8650	9930
			oz	305.1	305.1	350.3
	Maximum Injection Pressure		MPa	180	180	175
			PSI	26000	26000	25300
	Maximum Holding Pressure		MPa	150	150	150
			PSI	21700	21700	21700
	Injection Velocity		mm/s	130		130
			in/s	5.1		5.1
	Injection Rate		cm3/s	2000	2000	2290
			in3/s	122.0	122.0	139.7
	Plasticizing Capacity	STD (PS)	g/sec	188.9	—	—
			oz/sec	6.64	—	—
		HIGH PLASTICIZATION (PP+TALC)	g/sec	—	261.1	277.8
			oz/sec	—	9.19	9.78
	Screw Speed	STD	rpm	90	—	—
		HIGH PLASTICIZATION	rpm	—	114	106
	Screw Torque	STD	N･m	15900	—	—
			lbf･ft	11700	—	—
		HIGH PLASTICIZATION	N･m	—	12700	17300
			lbf･ft	—	9360	12700
	Nozzle Touch Force		kN	142		142
			US Ton	15.9		15.9
GENERAL	Main Breaker Capacity		A	700		700
	Apparent Power		kVA	275		275
	Heater Capacity		kW	84.8	98.2	134.5
	Machine Dimensions L x W x H		m	15.8 x 4.6 x 4.0	16.3 x 4.6 x 4.0	16.6 x 4.6 x 4.0
			ft	51.8 x 15.1 x 13.1	53.5 x 15.1 x 13.1	54.5 x 15.1 x 13.1
	Machine Weight		t	200.0		202.0
			US Ton	220.5		222.7

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 59.1in(H) x 51.2in(V), 1500mm(H) x 1300mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached. 7: The high plasticization specification values are for when a special screw for olefin resins such as PP is installed.

EC3350SXIII Specifications

	ITEM		Unit	EC3350SXIII	
CLAMP	Clamping Force		tf	3000	
			US Ton	3307	
	Tie Bar Distance (HxV)		mm	2110 x 1810	
			in	83.0 x 71.2	
	Platen Dimension (HxV)		mm	3000 x 2350	
			in	118.1 x 92.5	
	Clamp Stroke		mm	1800	
			in	70.9	
	Maximum Daylight		mm	3700	
			in	145.7	
	Mold Height (Min～Max)		mm	1000 ～ 1900	
			in	39.4 ～ 74.8	
	Ejector Force		tf	43.9	
			US Ton	48.4	
	Ejector Stroke		mm	350	
			in	13.8	
INJECTION	Injection Unit			i215	i240
	Barrel Code			AM	AM
				HIGH PLASTICIZATION	HIGH PLASTICIZATION
	Screw Diameter		mm	140	150
			in	5.51	5.91
	Injection Capacity		cm3	11800	13600
			in3	720.1	829.9
	Shot Volume	PS	g	10900	12500
			oz	384.5	440.9
		PE	g	8650	9930
			oz	305.1	350.3
	Maximum Injection Pressure		MPa	180	175
			PSI	26000	25300
	Maximum Holding Pressure		MPa	150	150
			PSI	21700	21700
	Injection Velocity		mm/s	130	130
			in/s	5.1	5.1
	Injection Rate		cm3/s	2000	2290
			in3/s	122.0	139.7
	Plasticizing Capacity	HIGH PLASTICIZATION (PP+TALC)	g/sec	261.1	277.8
			oz/sec	9.19	9.78
	Screw Speed	HIGH PLASTICIZATION	rpm	114	106
	Screw Torque	HIGH PLASTICIZATION	N･m	12700	17300
			lbf･ft	9360	12700
	Nozzle Touch Force		kN	142	142
			US Ton	15.9	15.9
GENERAL	Main Breaker Capacity		A	700	700
	Apparent Power		kVA	275	275
	Heater Capacity		kW	98.2	134.5
	Machine Dimensions L x W x H		m	16.5 x 4.6 x 4.0	16.8 x 4.6 x 4.0
			ft	54.1 x 15.1 x 13.1	55.1 x 15.1 x 13.1
	Machine Weight		t	210.0	212.0
			US Ton	231.5	233.7

Notes: 1: Due to continuous improvements, specifications are subject to change without notice. 2: Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions. 3: Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure. Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions. 4: Min. mold dimensions are 59.1in(H) x 51.2in(V), 1500mm(H) x 1300mm(V). In case of Max. Clamping Force, do not mount smaller mold than described above. 5: High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details. 6: Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached. 7: The high plasticization specification values are for when a special screw for olefin resins such as PP is installed.