

■ Specifications

Model	CAX-571
Maximum Speed	15,000rpm
Maximum RCF	21,130G
Maximum Capacity	1,000ml (250ml x 4)
Control System	Microprocessor control (feedback system)
Drive Motor	Induction motor
Drive System	Flex-Spin drive system (Direct drive with an automatic alignment function)
Data Entry	Jog Dial equipped with an <ENTER> button
Temperature Setting Range	-9 to 35°C (1°C increments)
Speed Setting Range	100 to 15,000rpm (100rpm increments)
RCF Setting Range	10 to 21,130G (10G increments for the range less than 300G, 100G increments for the range over 300G)
Time Setting Range	From 10 sec to 50 sec, in 10 sec increments, from 1 min to 99 min, in 1 min increments or <F--> for free
Safety Devices	• Imbalance detector • Lid interlock • Lid open/close detector • Abnormal speed detector • Over-current circuit breaker • Rotor identification system • Motor over-current detector • Abnormally high or low chamber temperature detector
Additional Functions	• Three-step acceleration characteristics selection • Three memory function • Three-step deceleration characteristics selection • BART Code selection • FLASH (momentary spin) function • Memory function for last run parameters • Power saving (ECO) mode
Refrigerant	HFC R404A (250g)
Rated Current	6.5A
Power Requirements	1-Phase AC220/230/240V 50/60Hz 8A
Power Consumption(Heat output)	990W (851kcal/h)
Breaker	Rated breaking current : 7.5A
Protection Against Electric Shock	Class I
Dimensions (except protruding portion)	462W x 542D x 884Hmm (table height : 776Hmm)
Net Weight	124kg
Environmental Requirements	Ambient temperature range:10 to 35°C, Relative humidity:30 to 85%, Atmospheric pressure:700 to 1,060hPa, Intended exclusively for use indoors, Overvoltage category: II, Pollution degree: 2
Accessories Included	Operator's manual x1copy, BART Code table x1pc, Clear storage case for operator's manual x1pc, Attaching screw for clear storage case x1pc, Digital Warranty Information x1copy, Spanner x1pc, Level gauge x1pc, Rotor locking knob x1pc, Drain plug x1pc, Power cord x1pc.

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TOMY SEIKO CO., LTD.

Manufacturer:
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All TOMY products have a limited one-year warranty.
Specifications are subject to change according to product advancement.
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Hybrid Refrigerated Centrifuge

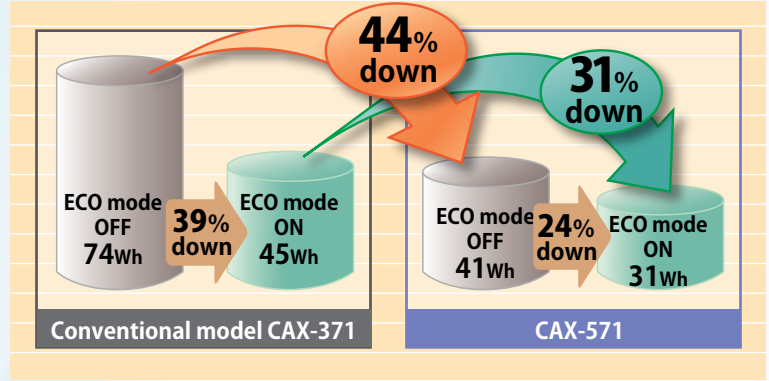
CAX-571



ECO mode

TOMY CAX-571 is equipped with the power-saving [ECO] mode, reducing standby power consumption.

An overall increase in cooling efficiency allows for drastic reduction in energy usage during normal operation.



Measurement conditions: Set to 4°C at an ambient temperature of 25°C while centrifugation is stopped. (Rotors in use: CAX-571: TS-7C+7215-06)
The values shown above are average values obtained by measuring the units.

TOMY

CAX-571

Flexible & High Performance

- **High Speed Fixed Angle Rotor Available (MAX. 15,000 rpm)**
- **Various Tubes & Micro/Deep-well Plates Available (From Microtubes to 250ml bottles, etc.)**
- **Easy Rotor Mount with One-push Rotor Locking Knob**
- **Flex-Spin Drive allows excellent tolerance for minor differences in sample volumes.**
- **Each Three (3) Acceleration and Deceleration Steps with Natural Deceleration**
- **Compact design for minimum space requirement**
- **Easy to See and Operate Control Panel with Jog Dial and Dual Color LED Display**
- **Compatible Rotor Line-up with TOMY AX/NIX/LCX-Series Centrifuges**

Easy to See and Operate Control Panel

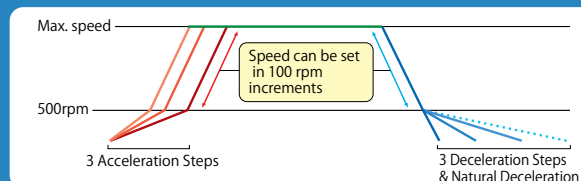
Popular user-friendly Jog Dial with an <ENTER> button enables setting to be changed more quickly and surely.



Dual Color LED Display



Acceleration and Deceleration Characteristics



One-push Rotor Locking Knob

With a single knob push, the rotor can be quickly and securely fixed.
*Some rotors are excepted.



To mount the rotor

Place the locking knob on the shaft and secure the rotor to the shaft by pressing the red snap on the locking knob down the shaft until it "clicks".



To dismount the rotor


Pull the locking knob out from the shaft, while holding down the red snap on the top.

Fixed Angle Rotors

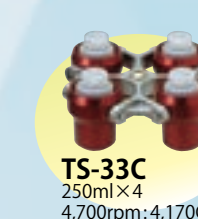
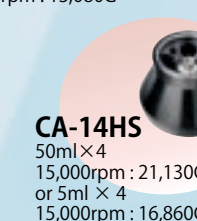
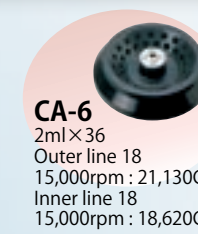
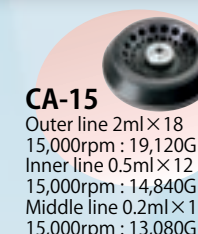
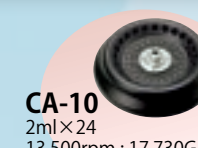
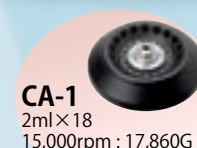
Rotor Type & Model	Max. Speed (rpm)	Max. RCF (G)	Rotor Capacity ml (bottom shape) × number (R) : Round, (C) : Conical	Note
CA-1	15,000	17,860	2×18	—
CA-5	15,000	21,130	2×24	—
CA-6	15,000	21,130 18,620	2×18 (Outer line) 2×18 (Inner line)	—
CA-8	14,000	18,410 17,750	50 (C) × 4 15 (C) × 4	Conical tube
CA-10	13,500	17,730	2×24	—
CA-12	15,000	20,630	5 (C) × 12	TOM *2
CA-14HS	15,000	21,130 16,860	50 (C) × 4 5 (R) × 4	Conical tube FLC *3
CA-15	15,000	19,120 14,840 13,080	2×18 (Outer line) 0.5×12 (Inner line) 0.2×12 (Middle line)	—
CA-16	13,100	20,150 19,190	50 (C) × 8 15 (C) × 8	Conical tube *4

● The above specifications show the maximum value of speed, RCF(G) and sample capacity. These values may change according to the combination of rotor, bucket, adapter and tubes.

Swing - Out Rotors

Rotor Type & Model		Bucket	Tube Rack	Max. Speed (rpm)	Max. RCF (G)	Rotor Capacity ml (bottom shape) × number (R) : Round, (C) : Conical	Note
Swing - Out Rotors	TS-4C	S4096-02	—	1,800	510	Microplate×4 *5	Plate size up to 128.5L×86D×32Hmm
	TS-7C	7015-06	—	3,600	2,320	15 (R)×24, 15 (C)×16 *8	Glass, Conical tube
		7215-06	—	3,600	2,430	15 (R)(C)×24	
		7015-08	—	3,500	2,190	15 (R)×32, 15 (C)×16 *8	
		7050-01	—	4,000	2,810	50 (R)(C)×4, 15 (R)×4 *6 *7	
		7150-01	—	5,000	4,670	50 (R)(C)×4, 15 (R)×4 *6 *7	
		7050-02	—	3,500	2,150	50 (R)(C)×8, 15 (R)×8 *6 *7	
		B407	0705-10P	3,100	1,670	5 (R)×40	Veno-Ject II tube 5ml (TER)
			0705-FA10P	3,100	1,670		FLC *
	SC-2	—	1,600	420	8×4	Collection bucket of floating cells	
	TS-33C	B433 *9	3305-07P	4,200	2,900	5 (R)×28	Veno-Ject II tube 5ml (TER)
			3307-07P	4,100	2,990	7 (R)×28	Veno-Ject II tube 7ml (TER)
			3314-04P	4,000	2,990	14 (R)×16	FLC
			3315-G07P	4,700	3,980	15 (R)×28	Glass, PAX gene blood collection tube
			3315-TC04P	4,700	4,130	15 (C)×16	Conical tube
			3350-TC01P	4,700	4,130	50 (C)×4	
			3350-G01P	4,700	3,980	50 (R)×4	Glass
			—	4,700	4,170	250 (F)×4	NAL
			—	4,700	4,170	225 (C)×4	FLC *10 *
			—	4,700	4,170	175 (C)×4	FLC *10
		Bucket cap kit B433  *9		—	—	—	Sealed cap for Bucket B433 CAP433-1 with gasket
		TS-41C	Bucket, Adapter and Cover are included.		4,500	3,150	Deepwell plate×4 *5 *12 Microplate×8 *5
	CS-1	M0415-04	—	15,000	18,370	2×16	—
		M0406-05	—	15,000	17,860	1.5×16	
		M0404-09	—	15,000	19,880 16,610	0.4×36 0.25×36	

Wide Variety of Rotors



■ Manufacturer Abbreviation TOM: TOMY SEIKO CO., LTD. FLC: Falcon/CORNING INTERNATIONAL CORP. COR: CORNING INTERNATIONAL CORP.
NAL: NALGENE/Thermo Fisher Scientific K.K. TER: TERUMO CORPORATION

*1 : Different types of tubes cannot be loaded together. *2 : TOMY 5ml conical tube, PT0050-11. *3 : Falcon 5ml FACS tubes.
*4 : For use with 15ml conical tubes, an optional Adapter CA1500-01 is required. *5 : Prior to centrifugation, check the durability of plates in use.
*6 : For 15ml tubes, an adapter A1500-04 is required. *7 : For conical tubes, an adapter A3010-01P is required. *8 : For conical tubes, only four holes of the center of the bucket can be used.
*9 : B433 bucket can be used as a sealed bucket by using an optional [Bucket cap kit B433]. *10 : An optional Conical Tube Adapter (Falcon Tube Cushion, Cat. No.352090) is required.
*11 : Falcon 225ml tube cannot be used with Bucket cap kit B433. *12 : 2 deepwell plates (up to 128.5L×86D×80Hmm) are available with cover.

[HS] has been tested and certified by the Health Protection Agency (HPA, UK) to be compliant with the International Standard (Annex AA of the IEC 61010-2-020), meets requirements for biohazard safety.
[HS] adopted a hermetically sealed structure equivalent to [HS] rotors designed and tested in accordance with the International Standard (Annex AA of the IEC 61010-2-020) to offer excellent sealing performance.