

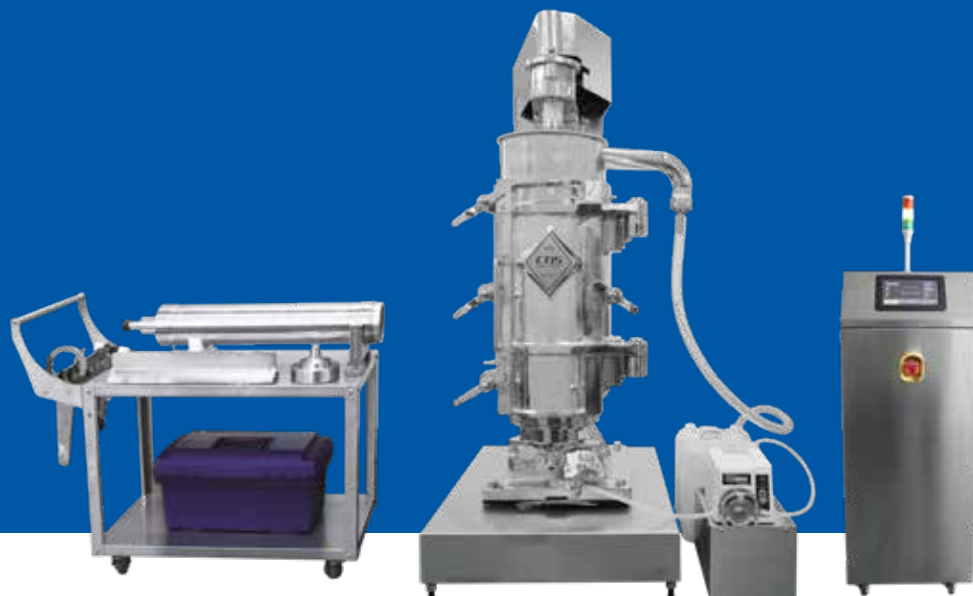


TUBULAR TYPE CONTINUOUS CENTRIFUGE

For Industrial Application

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CT15

Tubular-type industrial centrifuge for continuous sample separation



This equipment is designed to separate the supernatant (the liquid part of the sample), the sludge, and the solid part, making it suitable for various process needs such as sample precipitation, filtration, and washing.

- Tubular-type industrial centrifuge for continuous sample separation
- Two-phase separation of liquid and solid
- High recovery of sludge (cake type)
- Water jacketed cooling system (optional)
- Premium quality stainless steel bowl
- Intuitive 7" touch-screen control
- Accurate control of speed through inverter
- Speed control from 1,000 to 15,000 RPM
- Distinctive emergency stop switch
- If the door open sensor is detected during operation, the motor will automatically stop with an error message.
- The three-color blinking light can recognize the normal operation status or emergency abnormal situations: green ● for normal, yellow ● for standby, and red ● for errors and emergencies.

Applications



• Pharmaceutical areas

Collection of pharmaceutical intermediates, herb extracts, plant fibers, and chlorella



• Food processing areas

Soybean, fat, vegetable oil, starches, grains, gelatin, amino acids, soy sauce, reducing fat in milk



• Chemistry industry areas

Cleaning and collection of ink, paints, ammonia, barium, aluminum, zinc, activated charcoal, and stainings



• Wastewater treatment

Cleaning on straining wastewater, leather wastewater, petroleum tank sludge, waste oil

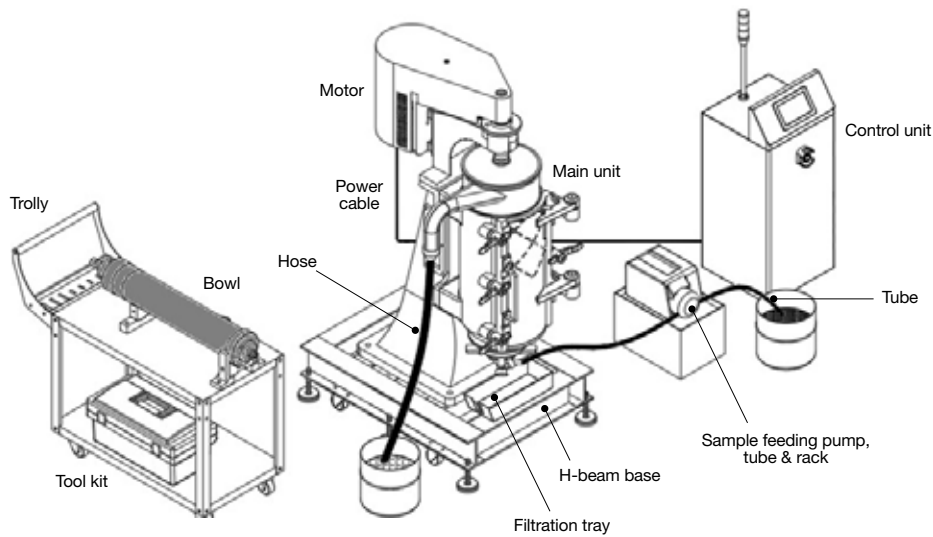


• The other fields

Milk fat processing, cosmetics, cod-liver oil, yeast processing, and many other separations of solution and collection of solids

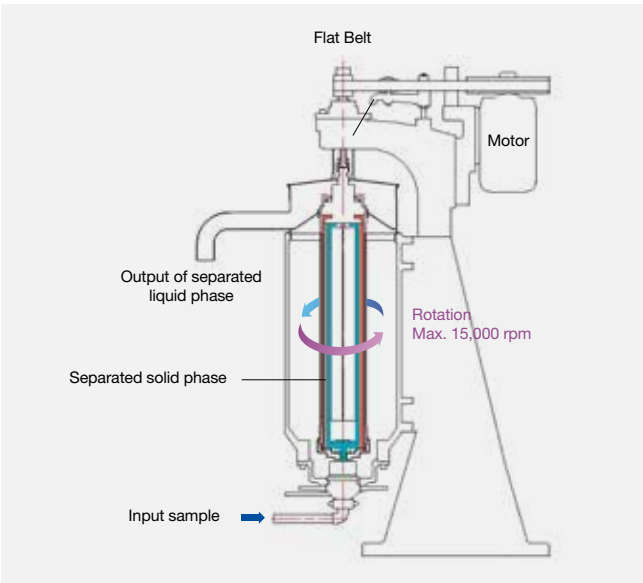
System Configuration

The tubular-type continuous centrifuge comprises a main unit (with a driving motor, frame, door, H-beam base, and bowl), a control unit, a pump, and a tool kit.



System Utilization

The CT15 is a high-speed centrifuge designed for precise separation of samples. It utilizes a pump to continuously inject the sample into the bowl, making it ideal for mass separation in industrial settings.



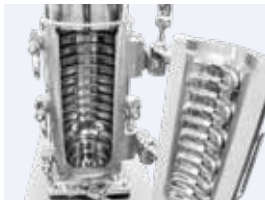
CT15 RPM to RCF Conversion Chart	
RPM	RCF (g)
1,000	70
2,000	281
3,000	632
4,000	1,124
5,000	1,756
6,000	2,528
7,000	3,441
8,000	4,494
9,000	5,688
10,000	7,023
11,000	8,497
12,000	10,113
13,000	11,868
14,000	13,764
15,000	15,801



Controller



Bowl



Frame & Door



Injection Pump

Technical Specifications

Main Unit Specifications		
Motor Power		380V 3.7kW (3-phase)
	Net Capacity / Weight	9 L / 27 kg
Tubular Bowl	Dimension (mm)	157 (outer Φ) x 142 (inner Φ) x 960H
	Material	Stainless Steel 316 L
Sample Collection Sheet		Teflon with a dimension of 733 x 395 x 0.4 mm
Sample Feeding pump		Peristaltic Tubing Pump (WT600-2J)
Frame and Door, Material		- Powder-painted Steel - Stainless steel 304 (optional) - Water-jacketed cooling system (optional)
Frame Base		Powder-painted Steel H-beam with 4 wheels and 6 balancing foot
Trolley for Bowl and Tools		Stainless steel trolley with tools in a box
Dimensions (mm) with H-beam base without pump or trolley		- 860W x 1,085D x 1,900H : Door closed - 860W x 1,430D x 1,900H : Door open
Net weight with an H-beam base without a pump or trolley		564 kg

Control Unit Specifications		
Display screen		7" wide touch (capacitive type)
Speed control		1,000 ~ 15,000 RPM
Max. RCF		15,801 xg (Radius : 62.814 mm)
ACC / DEC ramps		3 / 4
Program memory		99
Time control		< 100 hours
Data transport		Yes (USB port)
History tracking		Yes
Inverter control		3P4W 380V, 7.5KW
Pump control		Selectable, auto or manual
Safeties	Actual speed sensing	Yes
	Door close/open sensing	
	Emergency stop switch	
Dimensions (mm) with warning light		405W x 460D x 1,310H
Net weight without cables		47 kg