LCEN-100 Series, Clinical Centrifuges, Eight Places Rotor Of 15ml Tubes, 2500rpm Or 6000rpm

These centrifuges are widely used in many fields such as biology, medicine, pharmacology, veterinary laboratory & other regions. They are small, compact, strong & easy & safe for operation. The centrifuge operate smoothly & steadily. The design is up to date, beatiful outlook & durable. ABS outer shell can resist collision. It could accommodate 7ml, 10ml and 15ml centrifuge tubes without changing the rotor. With safely lock, when cover is opened, the motor can be stopped. Precision mechanical timer with bell can be set from 0 to 30 minutes. Speed is linear and stable. Auto balancing system. Vacuum rubber feet provide stable: “not walking” unit.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Supply</th>
<th>Speed range</th>
<th>Rotor angle</th>
<th>Max. RCF(xG)</th>
<th>Dimensions</th>
<th>Timer</th>
<th>Max. Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCEN-100</td>
<td>220V/50Hz or 110V/60Hz</td>
<td>up to 2500rpm or up to 3200rpm</td>
<td>45°</td>
<td>1210xG</td>
<td>(HxWxDmm) 220x255x255</td>
<td>3kg</td>
<td>0-30min</td>
</tr>
<tr>
<td>LCEN-101</td>
<td>110V/60Hz or 220/60Hz</td>
<td>300-6000rpm</td>
<td>45°</td>
<td>4100xG</td>
<td>(HxWxDmm) 270x255x255</td>
<td>5kg</td>
<td>0-30min</td>
</tr>
<tr>
<td>LCEN-102 with tachometer</td>
<td>110V/60Hz or 220/60Hz</td>
<td>300-6000rpm</td>
<td>45°</td>
<td>4100xG</td>
<td>(HxWxDmm) 270x255x255</td>
<td>5kg</td>
<td>0-30min</td>
</tr>
</tbody>
</table>

Options: Adaptors for tubes
(A) Standard 10~15ml tube holder; inner size:Ø17.5mm x L98mm (included).
(B) Optional 5~7ml tube holder; inner size:Ø13.5mm x L69mm.
(C) Optional 0.5~2.0ml tube holder; inner size:Ø11.0mm x L42mm.

LCEN-200/201, Clinical Centrifuges, 8 Places Or 12 Places Of 15ml Tubes

Features:
- Free change of carbon brush motor, stepless speed change.
- Auto power off when open & auto-balance device.
- For angle rotor.
- Power pilot light and fuse safety device.
- ABS hard shell and see-through window.
- Auto-cooling air circulation & manual covr lock.
- Optional: 6 ml adapter can be replaced.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Supply</th>
<th>Speed(rpm) (50/60Hz)</th>
<th>Max. RCF (50/60Hz)</th>
<th>Max. capacity (ml x pcs)</th>
<th>Dimensions (WxDHmm)</th>
<th>Weight (kg)</th>
<th>Timer (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCEN-200</td>
<td>AC110/220V, 50/60Hz</td>
<td>0<del>3,000/0</del>3,500</td>
<td>1,050/1,430</td>
<td>15x8</td>
<td>290x320x245</td>
<td>8kg</td>
<td>0~30 or &quot;ON&quot;</td>
</tr>
<tr>
<td>LCEN-201</td>
<td>AC110/220V, 50/60Hz</td>
<td>0<del>3,000/0</del>3,500</td>
<td>1,050/1,430</td>
<td>15x12</td>
<td>290x320x245</td>
<td>8kg</td>
<td>0~30 or &quot;ON&quot;</td>
</tr>
</tbody>
</table>

Rotors Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Capacity</th>
<th>Max. Tube size (Ø x L) mm</th>
<th>Min. Tube size (Ø x L) mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCEN-200</td>
<td>15mlx8</td>
<td>16.5x117</td>
<td>12x90</td>
</tr>
<tr>
<td>LCEN-201</td>
<td>15mlx12</td>
<td>16.5x100</td>
<td>12x90</td>
</tr>
</tbody>
</table>
SCEN-207, Small Universal Centrifuge

Features:
- Analog speed tachometer.
- Optional rotor selections for various tube sizes.
- Regressive timer: 30min, or continuous operation.
- Angle rotor, stepless speed setting.
- Auto accelerating & decelerating functions.
- Auto-current restraining function.
- Power pilot light & fuse safety device.
- Manual cover lock.
- Max. capacity: 300 ml.
- Auto power off when open & auto-balance device.
- ABS hard shell & see-through window.
- Auto-cooling air circulation.

<table>
<thead>
<tr>
<th>Optional Rotors</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Capacity (ml x pcs)</th>
<th>Tube size (Ø x L) mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA-1508</td>
<td>0~5,500</td>
<td>3,310</td>
<td>15x8</td>
<td>16.7x122 15x90</td>
</tr>
<tr>
<td>RA-1512S</td>
<td>0~5,500</td>
<td>3,350</td>
<td>15x12</td>
<td>16.7x122 15x90</td>
</tr>
<tr>
<td>RA-5004</td>
<td>0~5,500</td>
<td>3,350</td>
<td>50x4</td>
<td>29.5x117 27.5x90</td>
</tr>
<tr>
<td>RA-5006</td>
<td>0~5,500</td>
<td>3,350</td>
<td>50x6</td>
<td>29.5x117 27.5x90</td>
</tr>
<tr>
<td>REA-1520</td>
<td>0~5,500</td>
<td>2,640</td>
<td>1.5x20</td>
<td>11x56 10x36</td>
</tr>
</tbody>
</table>

AC110/220V, 50/60Hz, Size: W290xD320xH245(mm) / N.W: 9KG

SCEN-206, Digital Universal Centrifuge

Features:
- LED speed and time display.
- Microprocessor control.
- 10 memory programs for preset parameters.
- Auto accelerating and decelerating functions.
- Auto cover lock with motor running.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- Max. speed: 6000rpm; Timer: 99min 59 sec.
- ABS hard shell and see-through window.
- Auto-cooling air circulation.
- Optional rotor selections for various tube size.

<table>
<thead>
<tr>
<th>Optional Rotors</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Capacity (ml x pcs)</th>
<th>Tube size (Ø x L) mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA-1508</td>
<td>500~6,000</td>
<td>3,940</td>
<td>15x8</td>
<td>17x122 16x90</td>
</tr>
<tr>
<td>RA-1512S</td>
<td>500~6,000</td>
<td>3,940</td>
<td>15x12</td>
<td>17x122 16x90</td>
</tr>
<tr>
<td>RA-5004</td>
<td>500~6,000</td>
<td>3,980</td>
<td>50x4</td>
<td>29.5x117 27.5x90</td>
</tr>
<tr>
<td>RA-5006</td>
<td>500~6,000</td>
<td>3,980</td>
<td>50x6</td>
<td>29.5x117 27.5x90</td>
</tr>
<tr>
<td>REA-1520</td>
<td>500~6,000</td>
<td>3,140</td>
<td>1.5x20</td>
<td>11x56 10x36</td>
</tr>
</tbody>
</table>

AC110/220V, 50/60Hz, Size: W290xD320xH245(mm) / N.W: 10KG
**HCEN-103, 24 Places Rotor Of 1.5ml/2ml Tubes & 24 Places Hematocrit Centrifuge**

Digital Micro Centrifuge HCEN-103 is designed for small specimens. Digital Micro Centrifuge with metal housing is sturdy and durable. Auto-balancing system can extend motor life and reduce noise. With safety interlock, it can prevent the lid from being opened during operation. Forced fan air convection prevents the motor from overheating. Precision digital timer can be set from 0 ~ 15 minutes 30 sec. increment. HCEN-103 can offer short runs by pressing the function key. LED digital display enable user to monitor the present speed or the remaining time. Automatic brake system can offer rapid deceleration. HCEN-103 features a see-through windown. The lid will be opened automatically once the rotor stop spinning. HCEN-103 is a combo centrifuge with can accommodate micro or micro hematocrit rotors. Quality certificate: ISO 9001, 13485

### Specifications for Centrifuge:

<table>
<thead>
<tr>
<th>Model</th>
<th>Timer</th>
<th>Speed display</th>
<th>Motor</th>
<th>Weight (kg) (N.W./G.W.)</th>
<th>Size(mm) WXDXH</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCEN-103</td>
<td>0~15 min. Digital timer</td>
<td>LED digital display for time and speed</td>
<td>Universal motor</td>
<td>13.0/14.5</td>
<td>290x400x260</td>
</tr>
</tbody>
</table>

### Specifications for Rotors (Included):

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Speed (rpm)</th>
<th>Type</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>HT-24</td>
<td>500~12,000</td>
<td>Disc</td>
<td>24 x capillary tube(Diam.1.5x75mm)</td>
</tr>
<tr>
<td>MAR-24</td>
<td>500~12,000</td>
<td>45 degerr angle</td>
<td>24 x (1.5~2.0)ml</td>
</tr>
</tbody>
</table>

Note: Standard percentage reader (aluminum) is a standard accessory for HT-24.

**HCEN-104, 24 Places Hematocrit Centrifuge**

Table Top Micro Hematocrit Centrifuge is an indispensable instrument in laboratory for spinning down small samples rapidly. Table top size design can save your working stage space. The motor of Table Top Micro Hematocrit Centrifuge can make operation smooth, quiet and stable. It features a 24-place rotor, clear lid, manual break & timer. Table Top Micro Hematocrit Centrifuge is the best choice in laboratories. Table Top Micro Hematocrit Centrifuge is attractive, practical and durable design for your economic choice. Auto-balancing system can extend motor life and reduce noise. Table Top Micro Hematocrit Centrifuge with safety switch, when cover is opened, the motor can be stopped. Table Top Micro Hematocrit Centrifuge with good ventilation system prevents the motor from overheating. Precision mechanical timer with bell can be set from 0 to 15 minutes. Manual brake can faster control over the spin down cycle. The speed of Table Top Micro Hematocrit Centrifuge is linear and stable. Attach with a reader. Table Top Micro Hematocrit Centrifuge is easy to operate.

### Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Timer (min.)</th>
<th>Motor</th>
<th>Standard accessory</th>
<th>Weight (kg) (N.W./G.W.)</th>
<th>Size(mm) WXDXH</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCEN-104</td>
<td>12,000</td>
<td>0~15 min. mechanical timer</td>
<td>Universal motor</td>
<td>Percentage reader</td>
<td>4.5/5.0</td>
<td>220x240x200</td>
</tr>
</tbody>
</table>

### Specifications for Rotor:

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Speed (rpm)</th>
<th>Type</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>HT-24</td>
<td>12,000</td>
<td>Disc</td>
<td>24 x capillary tube(Diam.1.5x75mm)</td>
</tr>
</tbody>
</table>

Optional accessories: Disc percentage reader (plastic), capillary tube, wax
24 Places Hematocrit Centrifuges

Each capillary is secured within its own chamber and supported by a holding tray. This holding tray serves to contain glass shards and any leakage should a tube break. It is easy to clean and disposable in the case of glass breakage.

The main area of application for hematocrit centrifuges is the determination of volume fraction of erythrocytes in blood. For this purpose, blood in hematocrit capillaries is centrifuged until maximum packed cell volume has been reached. Following centrifugation, the hematocrit value can be read using a special evaluation disc. Preparing blood for photometric determination of bilirubin content in plasma and centrifuging special capillaries for quantitative Buffy Coat Analysis are further areas of application for this special-purpose centrifuge.

HCEN-202, Hematocrit Type Centrifuge

- Manual-brake system provides rapid deceleration.
- Regressive timer: 15 min, with ring device.
- Power pilot light and fuse safety protection.
- ABS outer covering, see-through window.
- Low noise.
- Optional: Hematocrit reader (order separately)

HCEN-203, Digital Hematocrit Centrifuge

- LED speed & time display.
- The transient centrifugal functions.
- Auto cover lock auto power off when open.
- Auto buzzer when finish.
- ABS hard shell and see-through window.
- Auto-cooling air circulation and manual cover lock

Optional Accessories:

- Hematocrit Reader (Optional)
- HT-Tubes (Optional)
- RHT-240 - Rotor (Included)

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed(rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml x pcs)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCEN-202</td>
<td>Fixed 12,000</td>
<td>15,000</td>
<td>Hematocrit x 24</td>
<td>0–15 min</td>
<td>8</td>
<td>29x32x24.5</td>
</tr>
<tr>
<td>HCEN-203</td>
<td>1000~12,000</td>
<td>15,000</td>
<td>Hematocrit x 24</td>
<td>99:59</td>
<td>10</td>
<td>29x32x24.5</td>
</tr>
</tbody>
</table>

AC110/220V, 50/60Hz, Reader and HT tubes not included.
ECEN-205, Micro Type Centrifuge

Features:
- LED speed and time display.
- Microprocessor control.
- 10 memory programs for preset parameters.
- Auto accelerating and decelerating functions.
- The transient centrifugal functions.
- Auto cover lock with motor running.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- ABS hard shell and see-through window.
- Auto-cooling air circulation.
- Low noise.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Rotor</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml x pcs)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECEN-205</td>
<td>1000~14,000</td>
<td>REA-1518</td>
<td>16,000</td>
<td>1.5/2.0 x 18</td>
<td>99:59</td>
<td>8</td>
<td>29x32x24.5</td>
</tr>
</tbody>
</table>

AC110/220V, 50/60Hz. Tubes not included.

ECEN-209, Micro Size Centrifuge, Brushless Motor

Features:
- LCD, speed and time display with Rcf setting.
- Quiet brushless motor.
- 10 memory programs for preset parameters.
- Microprocessor control.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- Hidden auto-balance device.
- Overheat and overload safety protection.
- Auto power off when open.
- Auto cover lock with motor running.
- Power pilot light and fuse safety device.
- Auto accelerating and decelerating functions.
- See-through window.
- Low noise.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Rotor</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml x pcs)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECEN-209</td>
<td>1000~14,000</td>
<td>REA-1518</td>
<td>16,000</td>
<td>1.5/2.0 x 18</td>
<td>99:59</td>
<td>15</td>
<td>29x42x28</td>
</tr>
</tbody>
</table>

REA-1518 (Included) 1.5/2.0ml x 18 places
ECENR-210, Micro Size Refrigerated Centrifuge

Features:
- LCD, temperature, speed and RCF setting also display.
- Temperature range: 0°C~40°C.
- 10 memory programs for preset parameters.
- Microprocessor control.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- High function and high effective control system.
- Overheat and overload safety protection.
- Stainless steel inside bowl.
- Breakdown indication and fuse safety device.
- Auto accelerating and decelerating functions.
- Auto-cooling air circulation.
- Low noise.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Rotor</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml x pcs)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECENR-210</td>
<td>1000~14,000</td>
<td>REA-1518</td>
<td>16,000</td>
<td>1.5/2.0 x 18</td>
<td>99:59</td>
<td>35</td>
<td>55x42x28</td>
</tr>
</tbody>
</table>

HSCEN-204, Basic Type High-Speed Centrifuge

Features:
- LED speed and time display.
- Microprocessor control.
- 10 memory programs for preset parameters.
- Auto accelerating & decelerating functions.
- Auto cover lock with motor running.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- ABS hard shell and see-through window.
- Auto-cooling air circulation.
- Include the stainless steel adapter, sterilizable.
- Max. capacity: 300ml,
  Timer: 99min 59sec.
- Optional rotor selections for various tube size.

Specifications for Rotors:

<table>
<thead>
<tr>
<th>Optional Rotors</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Capacity (ml x pcs)</th>
<th>Tube size (Ø x L) mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA-1508</td>
<td>10,000</td>
<td>10,950</td>
<td>15x8</td>
<td>Max. 17x122</td>
</tr>
<tr>
<td>RA-1512S</td>
<td>9,000</td>
<td>8,900</td>
<td>15x12</td>
<td>Max. 17x122</td>
</tr>
<tr>
<td>RA-5004</td>
<td>8,000</td>
<td>7,000</td>
<td>50x4</td>
<td>Min. 29.5x117</td>
</tr>
<tr>
<td>RA-5006</td>
<td>7,000</td>
<td>5,400</td>
<td>50x6</td>
<td>Min. 29.5x117</td>
</tr>
</tbody>
</table>

AC110/220V, 50/60Hz, Tubes not included. Size: W290xD320xH245(mm) / N.W: 10KG
HSCEN-300, High Speed Centrifuges

Features:
- LED speed & time display.
- 10 memory programs for preset parameters.
- Microprocessor control.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- High function and high effective control system.
- High torque motor.
- Overheat and overload safety protection.
- Hidden auto-balance device.
- Auto power off when open.
- Auto cover lock with motor running.
- Power pilot light and fuse safety device.
- Auto accelerating and decelerating functions.
- Auto-cooling air circulation.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSCEN-300</td>
<td>1000~10,000</td>
<td>10,950</td>
<td>400</td>
<td>99:59</td>
<td>17</td>
<td>36x42x29</td>
</tr>
</tbody>
</table>

Optional Rotors and Adaptors for HSCEN-300:

<table>
<thead>
<tr>
<th>Optional Rotors</th>
<th>Max. speed (rpm)</th>
<th>Max. RCF (kg)</th>
<th>Capacity (ml x pcs)</th>
<th>Tube size (φx1) mm Max.</th>
<th>Tube size (φx1) mm Min.</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS-50</td>
<td>4,500</td>
<td>3,290</td>
<td>50x4TC</td>
<td>29x120</td>
<td>26.5x90</td>
<td>2-3400-23</td>
</tr>
<tr>
<td></td>
<td>3,800</td>
<td>2,340</td>
<td>50x4</td>
<td>35x117</td>
<td>32x90</td>
<td>2-3400-22</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15x16</td>
<td>16.7x115</td>
<td>13.5x86</td>
<td>2-3400-32</td>
</tr>
<tr>
<td>RA-1508</td>
<td>10,000</td>
<td>10,950</td>
<td>15x8</td>
<td>16.7x122</td>
<td>15x90</td>
<td>2-5052-31</td>
</tr>
<tr>
<td>RA-1512H</td>
<td>9,000</td>
<td>10,130</td>
<td>15x12</td>
<td>16.7x122</td>
<td>15x90</td>
<td>2-3000-31</td>
</tr>
<tr>
<td>RA-5004</td>
<td>8,000</td>
<td>7,080</td>
<td>50x4</td>
<td>29.5x130</td>
<td>27.5x94</td>
<td>2-5052-12</td>
</tr>
<tr>
<td>RA-5006</td>
<td>7,000</td>
<td>5,400</td>
<td>50x6</td>
<td>29.5x130</td>
<td>27.5x90</td>
<td>2-5052-22</td>
</tr>
<tr>
<td>RA-5008</td>
<td>6,500</td>
<td>5,280</td>
<td>50x8</td>
<td>29.5x117</td>
<td>27.5x90</td>
<td>2-1000-12</td>
</tr>
</tbody>
</table>
MDCENR-301, Universal Refrigerated Centrifuge

Features:
- LCD, temperature, speed and RCF setting also display.
- Temperature range: 0°C~40°C.
- 10 memory programs for preset parameters.
- Microprocessor control.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- High function and high effective control system.
- Overheat and overload safety protection.
- Stainless steel inside bowl.
- Breakdown indication & fuse safety device.
- Auto accelerating & decelerating functions.
- Auto-cooling air circulation.
- Low noise.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDCENR-301</td>
<td>500~6,500</td>
<td>4,500</td>
<td>400</td>
<td>99:59</td>
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<td>65×53×34</td>
</tr>
</tbody>
</table>

MDCEN-302, 10 Memory Program Brushless Centrifuge

Features:
- LCD speed and time display with RCF setting.
- Quiet brushless motor.
- Microprocessor control.
- 10 memory programs for preset parameters.
- Overheat and overload safety protection.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- Hidden auto-balance device.
- Auto power off when open.
- Auto cover lock with motor running.
- Power pilot light & fuse safety device.
- Auto accelerating & decelerating functions.
- See-through window.
- Optional rotor selections for various tube size.
- Low noise.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
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MDCEN-306, 10 Memory Programs Centrifuge

Features:
- LED Speed and time display.
- Quiet brushless motor.
- Microprocessor control.
- 10 memory programs for preset parameters.
- Overheat and overload safety protection.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- High function and high effective control system.
- Hidden auto-balance device.
- Auto power off when open.
- Auto cover lock with motor running.
- Power pilot light and fuse safety device.
- Auto accelerating and decelerating functions.
- See-through window.
- Optional rotor selections for various tube size.
- Low noise.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
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</table>

The speed & RCF are different from the sort of rotors.
MDCEN-303, Universal Centrifuge, Low Cost

Features:
- LED speed display.
- Change in speed stepless: stable speed.
- Auto current-restarting function.
- Overheat & overload safety devices.
- With safety door lock, hidden auto-balance & imbalance device.
- Safety door lock & cover open indication.
- Stainless steel inner, erosion-proof & anti-lash.
- Breakdown indication & fuse safety device.
- Auto accelerating & decelerating function.
- Air auto-cooling circulation.
- See-through window.
- Optional rotors for various tube size.
- Low noise design.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
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</thead>
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<td>3,780</td>
<td>400</td>
<td>0-30 or &quot;ON&quot;</td>
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</table>

MDCEN-304, General Purpose Centrifuge

Features:
- LED speed display.
- Regressive timer: 30min, or continuous operation.
- Stable and stepless speed change.
- Overheat and overload safety protection.
- Hidden auto-balance device.
- Safety door lock and cover open indication.
- Stainless steel inside bowl.
- Breakdown indication and fuse safety device.
- Auto accelerating and decelerating functions.
- Auto-cooling air circulation.
- See-through window.
- Optional rotor selections for various tube size.
- Low noise.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
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</thead>
<tbody>
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<td>0~30 or &quot;ON&quot;</td>
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MDCEN-305, Brushless General Purpose Centrifuge

Features:
- LED speed display.
- Regressive timer: 30min, or continuous operation.
- Stable and stepless speed change.
- Quiet brushless motor.
- Overheat and overload safety protection.
- Hidden auto-balance device.
- Safety door lock and cover open indication.
- Stainless steel inside bowl.
- Breakdown indication and fuse safety device.
- Auto accelerating and decelerating functions.
- Auto-cooling air circulation.
- See-through window.
- Optional rotor selections for various tube size.
- Low noise.

Specifications:

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<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min)</th>
<th>Weight (kg)</th>
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### Optional Rotors & Adapter For Centrifuge MDCEN-301/302/303/304/305/306

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<th>Rotor</th>
<th>Max. speed (rpm)</th>
<th>Max. RCF (x g)</th>
<th>Capacity (ml x pcs)</th>
<th>Tube size (x1) max</th>
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<td>4500</td>
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<td>15x16</td>
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<td>RA-1024</td>
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<td>RA-5004</td>
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<td>29.5x130</td>
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<td>29.5x130</td>
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<td>RA-5008</td>
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<td>REA-1520</td>
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<td>3140</td>
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</table>

*Tubes not included. The speed & RCF are different from the sort of rotors*
**CENTRIFUGES**

**LGCEN-307, Economy Centrifuge**

Features:
- LED speed and time display.
- Quiet brushless motor.
- Microprocessor control.
- 10 memory programs for preset parameters.
- Overheat and overload safety protection.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- Hidden auto-balance device.
- Auto power off when open.
- Auto cover lock with motor running.
- Power pilot light and fuse safety device.
- Auto accelerating and decelerating functions.
- Auto-cooling air circulation.
- See-through window.
- Optional rotor selections for various tube size.
- Low noise.

**Specifications:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed(rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
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<tbody>
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<td>4,640</td>
<td>480</td>
<td>0~30 or “ON”</td>
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<td>45x56x38</td>
</tr>
</tbody>
</table>

**LGCEN-402, Brushless Centrifuge**

Features:
- LED speed display.
- Regressive timer: 30min, or continuous operation.
- Stable and stepless speed change.
- Quiet brushless motor.
- Overheat and overload safety protection.
- Hidden auto-balance device.
- Safety door lock and cover open indication.
- Stainless steel inside bowl.
- Breakdown indication and fuse safety device.
- Auto accelerating and decelerating functions.
- Auto-cooling air circulation.
- See-through window.
- Optional rotor selections for various tube size.
- Low noise.

**Specifications:**

| Model   | Speed(rpm)   | Max. RCF (g) | Max. capacity (ml) | Timer (min:sec) | Weight (kg) | WxDxH Size (cm) |
|---------|--------------|--------------|--------------------|----------------TECT|-------------|-----------------|
| LGCEN-402 | 500~6,500   | 4,900        | 1000               | 0~30 or “ON”     | 38          | 45x56x38        |

**LGCEN-403, 10 Memory Programs Centrifuge**

Features:
- LED speed and time display.
- Quiet brushless motor.
- Microprocessor control.
- 10 memory programs for preset parameters.
- Overheat and overload safety protection.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- Hidden auto-balance device.
- Auto power off when open.
- Auto cover lock with motor running.
- Power pilot light and fuse safety device.
- Auto accelerating and decelerating functions.
- Auto-cooling air circulation.
- See-through window.
- Optional rotor selections for various tube size.
- Low noise.

**Specifications:**

| Model   | Speed(rpm)   | Max. RCF (g) | Max. capacity (ml) | Timer (min:sec) | Weight (kg) | WxDxH Size (cm) |
|---------|--------------|--------------|--------------------|----------------TECT|-------------|-----------------|
| LGCEN-403 | 500~6,000   | 4,900        | 1000               | 99:59          | 40          | 45x53x34        |

The speed & RCF are different from the sort of rotors.
### LGCENR-400, Large Size Refrigerated Centrifuge

**Features:**
- LCD, temperature, speed & RCF setting also display.
- Temperature range: 0°C~40°C.
- 10 memory programs for preset parameters.
- Microprocessor control.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- High function & high effective control system.
- Overheat and overload safety protection.
- Stainless steel inside bowl.
- Breakdown indication and fuse safety device.
- Auto accelerating and decelerating functions.
- Auto-cooling air circulation.
- Low noise.

### Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LGCENR-400</td>
<td>500~6,500</td>
<td>4,900</td>
<td>1000</td>
<td>99:59</td>
<td>112</td>
<td>52x58x90</td>
</tr>
</tbody>
</table>

### LGCENR-401, Bench Top Refrigerated Centrifuge

**Features:**
- LCD, temperature, speed and RCF setting also display.
- Temperature range: 0°C~40°C.
- 10 memory programs for preset parameters.
- Microprocessor control.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- High function and high effective control system.
- Overheat and overload safety protection.
- Stainless steel inside bowl.
- Breakdown indication and fuse safety device.
- Auto accelerating and decelerating functions.
- Auto-cooling air circulation.
- Low noise.

### Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
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</thead>
<tbody>
<tr>
<td>LGCENR-401</td>
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<td>4,900</td>
<td>1000</td>
<td>99:59</td>
<td>75</td>
<td>80x56x38</td>
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</tbody>
</table>

### LGCENR-404, Large Size Centrifuge

**Features:**
- LCD speed and time display with RCF setting.
- Quiet brushless motor.
- Microprocessor control.
- 10 memory programs for preset parameters.
- Overheat and overload safety protection.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- hidden auto-balance device.
- Auto power off when open.
- Auto cover lock with motor running.
- Power pilot light and fuse safety device.
- Auto accelerating and decelerating functions.
- See-through window.
- Optional rotor selections for various tube size.
- Low noise.

### Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (g)</th>
<th>Max. capacity (ml)</th>
<th>Timer (min:sec)</th>
<th>Weight (kg)</th>
<th>WxDxH Size (cm)</th>
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<tbody>
<tr>
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<td>500~6,500</td>
<td>4,900</td>
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<td>45x56x38</td>
</tr>
</tbody>
</table>
### Optional Rotors & Adapters for Centrifuges LGCENR-400/401, LGCEN-402/403/404/307

<table>
<thead>
<tr>
<th>Applicable model</th>
<th>Rotor</th>
<th>Max. speed (rpm)</th>
<th>Max. RCF (xg)</th>
<th>Capacity (ml x pcs)</th>
<th>Tube size (φ₁ x 1) mm</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
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<td>RS-250</td>
<td>3500</td>
<td>2250</td>
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Immunology Blood Typing Centrifuge, BLCEN-208

Features:
- LED speed and time display.
- Microprocessor control.
- 10 memory programs for preset parameters.
- Auto-count RCF function.
- Effective RCF design, achieve required speed then begin countdown.
- Auto accelerating and decelerating functions.
- Auto power off for rotor imbalance.
- Auto buzzer when finish.
- Auto cover lock with motor running.
- Suitable for urine & blood samples.
- ABS hard shell and see-through window.
- Auto-cooling air circulation & low noise.

Applications:
The identification of blood type, red blood cell & lymph cell cleaning, the handle of blood coagulation, & the separation of lymph cell. To observe the reaction of blood coagulation, cultivate & separate cell, match blood by intersection, blood separation, & anti-serum globulin test.

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (No.)</th>
<th>Max. RCF (x g)</th>
<th>Capacity (ml x pcs)</th>
<th>Timer (sec)</th>
<th>Weight (Kg)</th>
<th>Body Size (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLCEN-208</td>
<td>1</td>
<td>500</td>
<td>6x12 of glass tube (Ø12xL75 mm)</td>
<td>60</td>
<td>10</td>
<td>W29xD32xH24.5</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>1,000</td>
<td></td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>1,000</td>
<td></td>
<td>60</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

AC110/220V, 50/60Hz, Tubes not included.

Oil Test Type Centrifuges, OLCEN-501/502

This machine can be applied to test the water content & sediment in the oil or the insolubility ingredient in the lubricant.

Features:
- LED speed, centrifugal force & time display.
- Auto power off for rotor imbalance.
- Auto cover lock when running.
- 10 memory programs for preset parameters.
- See-through window.
- Optional Oil Test Bottles

Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Max. RCF (x g)</th>
<th>Oil Test Battle (pcs)</th>
<th>WxDxH Size (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLCEN-501</td>
<td>500–2,000</td>
<td>1,030</td>
<td>4</td>
<td>69x77x104</td>
</tr>
<tr>
<td>OLCEN-502</td>
<td>500–2,000</td>
<td>1,120</td>
<td>8</td>
<td>69x77x104</td>
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</tbody>
</table>
A skid mounted vertical basket laboratory-sized unit features a 200-mm bowl for the increasing demands of modern test laboratories, pilot plants and small scale production in the chemical, pharmaceutical and foodstuff industries. The unit operates the centrifuge with the same Vielter cake thickness as on a production-sized machine to give precise & exact scale up results for all process steps of filling, spinning, washing and discharging. It provides high levels of xibility, such as frequent product change over, fast startup, automated cleaning, simple quick inspection for post process & cleaning inspection.

**Centrifugal Separator, BSCEN-600/601/602**

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Capacity (L)</th>
<th>Motor (W)</th>
<th>Basket Size (cm)</th>
<th>Weight (Kg)</th>
<th>Body Size (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSCEN-600</td>
<td>0~3,000</td>
<td>0.8</td>
<td>400</td>
<td>Ø15xH8</td>
<td>60</td>
<td>W56xD56xH60</td>
</tr>
<tr>
<td>BSCEN-601</td>
<td></td>
<td>3</td>
<td></td>
<td>Ø24xH14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSCEN-602</td>
<td></td>
<td>4.5</td>
<td></td>
<td>Ø30xH16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Specifications:**
- For solid & liquid separation, inside can be treated with teflon coating.
- The dipping part is in stainless steel SUS304.
- For materials separation in large volume.
- Equipped with 3-point shake-proof device.
- Variable speed up to 3000rpm.
- Optional teflon coated.

**SPCEN-500, Sulphameter**

The machine makes use of centrifugal precipitation to test the density of sulfate in electroplating solution.

**Features:**
- Easy operation, Auto buzzer when finish.
- Stainless steel chamber & rotor.
- Auto power off when open.
- Timer: 0~6 min.
- Auto power off for rotor imbalance.

AC110/220V, 50/60Hz, Size: W45xD53xH34(cm) / N.W: 35KG