

Five reasons

To use LYNX Centrifuge Series for your superspeed centrifugation requirements

thermo scientific

Powerful performance and enhanced sustainability

> Thermo Scientific LYNX 4000 Superspeed is highly reliable and the use of light-weighted carbon fiber rotors makes an exceptional experience in our routine protocols on handling bacteria culture and protein purification.
>
> Dr. Jimmy Lai, Laboratory Manager, Centre for Immunology & Infection (C2i), Hong Kong

In today's busy laboratories, reliable, safe and efficient sample processing is essential to getting answers faster. Modern labs require instruments that deliver exceptional performance without compromising on ergonomic design, connectivity, or environmental responsibility.

Thermo Scientific™ LYNX™ 4000 and 6000 Superspeed Centrifuges with GreenCool™ Technology feature powerful technologies, versatility, and enhanced sustainability for both research and bioprocessing applications.

Here are 5 reasons why you can rely on these models for your superspeed centrifugation needs.

1 2 3 4 5



1 Performance

2 Safety

3 Ergonomics

4 Connectivity

5 Sustainability

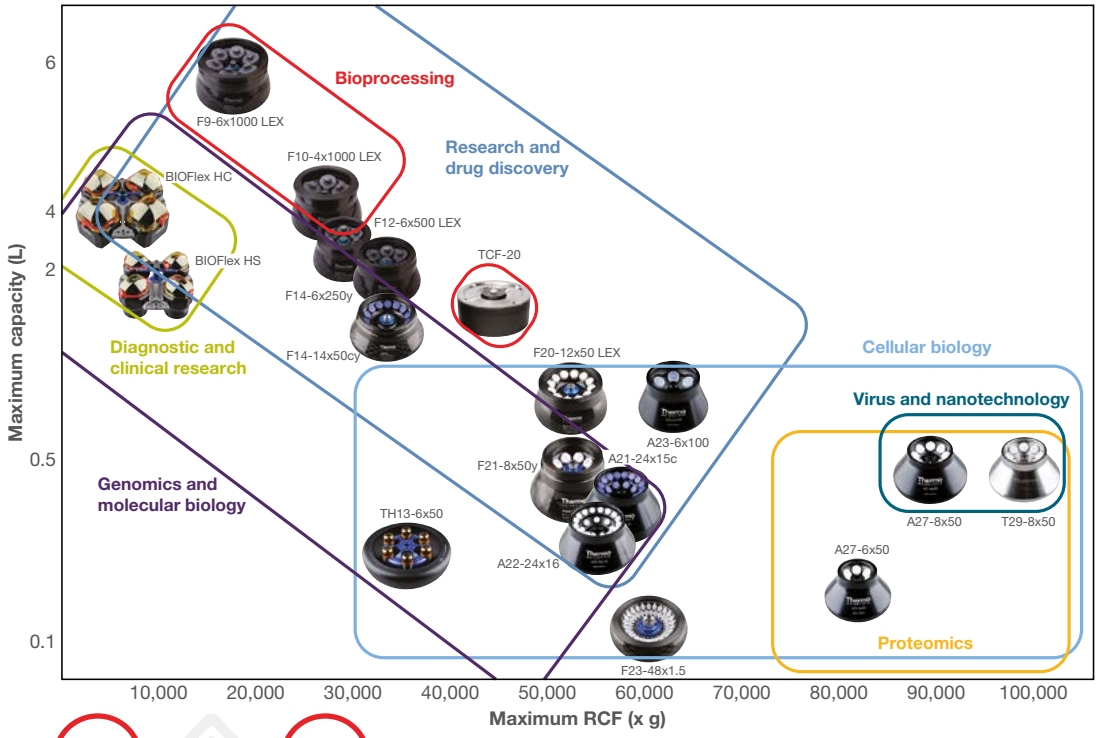
1 Performance



Exceptional performance to meet evolving application needs, from academic research to production facilities. LYNX 6000 centrifuge offers up to 100,605 x g and up to 6 L capacity, LYNX 4000 centrifuge offers up to 68,905 x g and up to 4L maximum capacity.

Versatile, high-throughput sample processing can be achieved with the Thermo Scientific™ BIOFlex™ HC Swinging Bucket Rotor. Spin more than 35 tube styles, e.g. up to 40 x 50 mL conical tubes, 96 x 15 mL conical tubes, 24 microplates or 4 x 1 L bottles per run. Choose from up to 19 total rotor options to match the speed, capacity and tube style to your application.

Lightweight carbon fiber rotors offer outstanding RCF performance for enhanced productivity—up to 24,471 x g with the 6 x 500 mL (3 L volume) and up to 17,568 x g with the 6 x 1000 mL (6 L volume - for LYNX 6000 model only)



2 Safety



Rotor safety - securing and identifying the rotors

In only 3 seconds, with just the push of a button, Thermo Scientific™ Auto-Lock™ Rotor Exchange allows you to install and remove rotors on LYNX superspeed centrifuges. With Auto-Lock rotor exchange, you can have the confidence that your rotor is safely and securely locked in place, and have the flexibility to change rotors and applications quickly.



Thermo Scientific™ Auto-ID™ Rotor Identification offers immediate identification of a rotor when the rotor is placed in the centrifuge chamber, with rotor specifications automatically loaded into the centrifuge parameters:

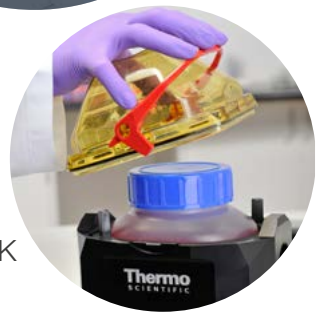
- Shortens run set-up time by eliminating the need to find and set rotor codes
- Helps eliminate over-speed risk, reduce error messages, and improve centrifuge, sample, and operator safety



Sample protection

Get one-handed, certified sample protection with Thermo Scientific™ ClickSeal™ Biocontainment Lids:

- Biocontainment sealing options for glove-friendly, one-handed open/close capability
- Ergonomically designed for both right- and left-handed operations
- Simple operation for all laboratory users, eliminating multi-turn screw caps and complicated high pressure clips
- Biocontainment certification by Public Health England, Porton Down, UK or TÜV NORD CERT GmbH, Germany



3 Ergonomics



Touchscreen interface
Simple and quick run set-up with a glove-friendly, large, bright, interactive touchscreen for all centrifuge functions and durable for use run after run, year after year.

Easy door opening
Centrifuge door opens fully and automatically–even with full hands–by using the door-open bar mounted on front of the centrifuge.



<58dBA

Quiet operation
Quiet performance with fixed angle rotors (<58 dBA) and <61 dBA with swinging bucket rotors helps provide a safe and reduced stress environment.

- Lightweight Thermo Scientific™ Fiberlite™ Carbon Fiber Rotors—up to 60% less weight than metal rotors, improves ergonomics and productivity.
- Effortless loading and unloading with optimal working height of 860 mm, an integrated surface work space, and front design with foot space allowing a closer position to the centrifuge.
- Easier and safer lifting and carrying of rotors with new speed handles, further enhanced with lightweight Fiberlite rotors.
- Latest global safety standards without the need to bolt down the instrument to the floor, helping greatly simplify installation and flexibility to relocate within a facility.

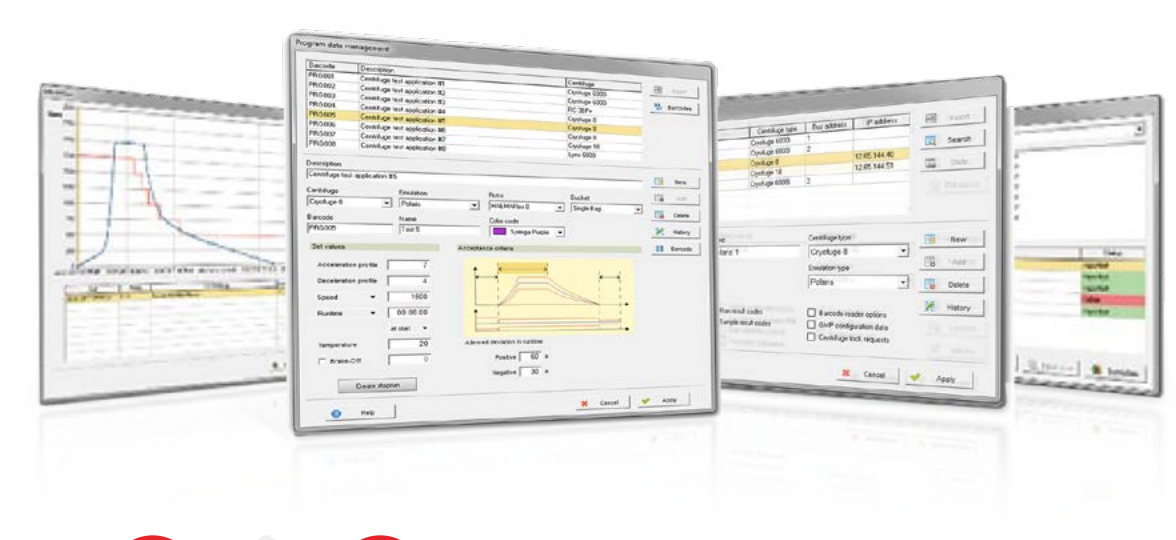


4 Connectivity



Thermo Scientific™ Centri-Log™ Plus Data Management Software is a protocol-tracking solution to enable lifecycle management of processed samples, equipment optimization, and compliance with standard operating procedures.

- Paperless process tracking
- Logical design and intuitive operation
- Unlimited connections with centrifuges in one PC
- Connection to central database via customized export files in both CVS and pdf formats
- Multi-lingual operation, including English, German, French, Italian, Polish, Spanish and Chinese
- Electronic records and signatures possible
- Supports GMP / 21 CFR Part 11 compliance



5 Sustainability

Less hazardous:
First-to-market superspeed centrifuges that use R744 refrigerant (Global Warming Potential of 1)

More energy efficient:
Up to 13% lower energy consumption[1]

Extended life:
Have an end-of-life recycling program[2]

LYNX centrifuge series with GreenCool technology, a next-generation natural refrigerant (CO_2) cooling system, reduces environmental impact with a Global Warming Potential (GWP) of 1, while not contributing to the depletion of the ozone layer. The centrifuges are compliant with EU and US EPA F-gas regulations. In addition to being less hazardous, the centrifuges are more energy efficient with up to 13% lower energy consumption due to the innovative cooling system. Further energy-efficient technologies are: Green Mode (puts the centrifuge in sleep mode (idle) when not in use for more than two hours), Smart Vacuum (that can be activated only when required, reducing unnecessary energy consumption and operational expenses - for LYNX 6000 model only), and lightweight Fiberlite carbon fiber rotors.

In the United States, we are partnering with reputable and certified recyclers to offer customers a way to recycle their used instruments. The materials can then reenter the manufacturing stream, which helps reduce additional mining of natural resources. Instructions on how to responsibly dispose of your centrifuge are provided at thermofisher.com/centrifuge-recycling.

These superspeed centrifuges are manufactured in a certified zero-waste facility[3] using 100% renewable electricity in Osterode am Harz, Germany.

[1] Energy use measured for a 1-hour run at maximum spin speed and compared to previous model. Previous 3-phase model: 4800W; new models with GreenCool technology: 4200W

[2] Details on recycling program for United States can be found at https://www.thermofisher.com/us/en/home/global/forms/life-science/centrifuge-recycling.html

[3] Zero waste defined as less than 10% of non-hazardous waste sent to landfill, incineration or waste-to-energy





Summary
5 reasons

The LYNX Superspeed Centrifuge Series combines powerful performance with intuitive operation and enhanced sustainability. The versatile centrifuge series adapts to evolving research needs while maintaining consistent results and maximum uptime. The seamless user experience begins with push-button Auto-Lock rotor exchange and continues with Auto-ID instant rotor detection that automatically configures the appropriate settings. Lightweight Fiberlite carbon fiber rotors improve both ergonomics and performance, and up to 19 rotor options allow efficient high-throughput processing across a wide range of sample containers.

- **Performance** – Meeting evolving application needs, from academic research to production facilities, with up to 100,605 x g, and up to 6 L capacity.
- **Safety** – Auto-Lock rotor exchange and Auto-ID system for rotor flexibility and security as well as sample protection with one-handed ClickSeal biocontainment lids to eliminate multi-run screw caps and complicated high pressure clips.
- **Ergonomics** – Effortless loading and unloading with lightweight Fiberlite rotors, excellent working height and integrated surface work space.
- **Connectivity** – Full data management software to support CFR 21 Part 11 compliance.
- **Sustainability** – GreenCool Technology is compliant with F-gas regulations with a GWP of 1, and reduces energy consumption by up to 13%. Sustainability is further enhanced through additional power-saving features, U.S.-based recycling initiatives, and production in a certified zero-waste manufacturing facility.

Learn more at **thermofisher.com/lynx**

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