

5years Warranty for Direct-Drive motor! (Lab Companion Shaker, Shaking Incubator)



The motor is a major part of Shaker and Shaking Incubator. But what is going on if it is out of work?



Various types of motor

To use a space of laboratory effectively, a stackable type or mass shaking floor type that can shake many samples at once is preferred nowadays. But if the motor is out of work, it occurs a hassle that all stacked shakers should be disassembled. Or you might have an urgent situation due to an interruption of mass shaking test.



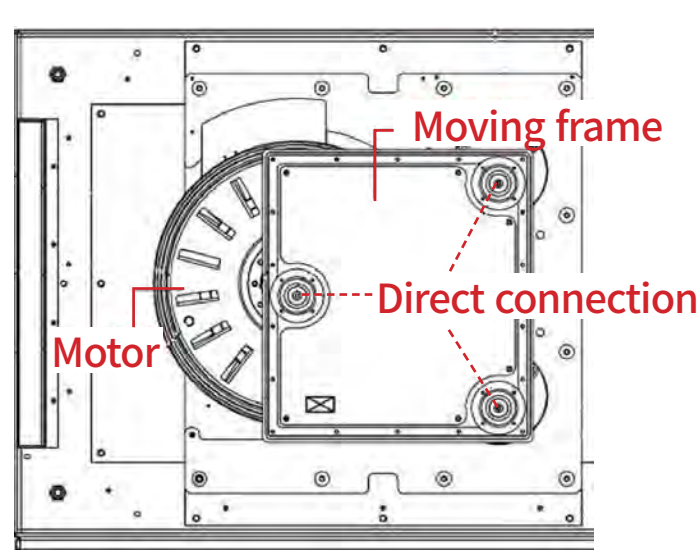
Stackable type for space-saving

So Lab Companion has developed an outstanding durability system utilizing Direct Drive motor technology that has strong power and durability. (Patent registration 10-1678160)

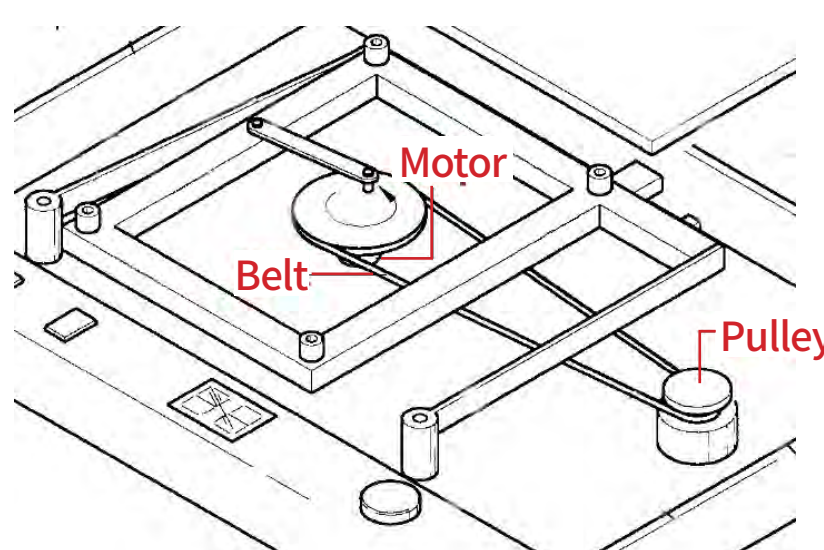
Shaking system technology applied to a big size Shaker and Incubated Shaker makes mix a heavily loaded sample stably and at high RPM for a long-term test without any concerns.

What is a DD (Direct Drive) motor?

DD is an abbreviation of 'Direct Drive', it is one of the drive methods. Even the same motor, it can be divided into the belt type and direct drive type depending on whether the motor is connected by a belt or directly moving the frame.



Direct-Drive (DD) type motor



Belt type motor

Advantages of DD motor!

- Low vibration / Low noise:** DD motors have little noise and vibration compared to belt motors. Because it shakes the moving frame directly without intermediate connecting parts. In the case of belt type, a pulley is fitted to the motor to attach the belt to transfer the force, which results in a lot of noise and vibration as well as a loss of power.
- Outstanding durability:** Most electronics occur a failure due to an abrasion caused by vibration, also its lifespan gets short. The DD motor removes the cause of the fault, allowing the product to last longer.
- Powerful:** The DD motor has a more powerful rotational force because the force of motor transfers to the moving frame directly, and can also be energized when a heavy sample is raised.
- Stable low-profile design:** There is no extra mounting for the transfer of force, such as a belt, so the height can be lowered, resulting in a stable low-profile design.

Which Lab Companion products applied DD Motor?

We introduce Lab Companion products that provide 5years warranty thanks to DD motor advantage.



Stackable Incubated Shaker for a saving space (ISS-7000)

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Floor-type Incubated Shaker (ISF-7000)

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Open-air Shaker suitable for mixing of large capacity samples in stable. (OS-7000)

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