

Acu-Turn™

TO REPLACE AVIDA TOP OR BOTTOM TURNING, OR EXISTING ON-TROLLEY ACTUATORS

When new, most incubation systems will satisfy the correct turning requirements. But turning that relies on a mechanical system will become less efficient over time through wear and tear. EmTech avoids this problem by equipping each trolley with its own actuator that is electrically connected to the setter's control system and capable of delivering 1000N operating force.

Each trolley will consistently maintain a turning angle of 45 degrees, irrespective of floor levels, and will provide correct angles on both sides of the trays without any slacking caused by a transfer mechanism.

EmTech's control system varies the frequency of the turning throughout the incubation process, which can be especially important during the first week of incubation. Using sensors on each actuator allows for real-time input on the performance of each trolley, and can detect the correct position of trays to identify any faults. And in the rare event of a failure, only one trolley will be affected, unlike communal turning systems.

It also addresses a safety concern associated with 230VAC actuators used in older systems (that risked electrocution from water penetration) because the Acu-Turn is 24VDC IP66 rated and able to withstand pressure washing.

The system is fully compatible with Gen 2 and Gen 3 controls that operate the trolley turn identification and failure system. Controls can also be upgraded to our Eclipse™ Control System, or the Turn-Plus independent controller that is suitable for any machine.

SIMPLE INSTALLATION

The EmTech actuator is very easy to install. When replacing on-trolley actuators the wiring is a simple operation with a supplied interface module that connects into the existing trolley socket positioned on the setter roof. Assemblies for larger setters can be wired into one communal enclosure.

