

The ATS Mono-Lift

True Non-contact Technology™

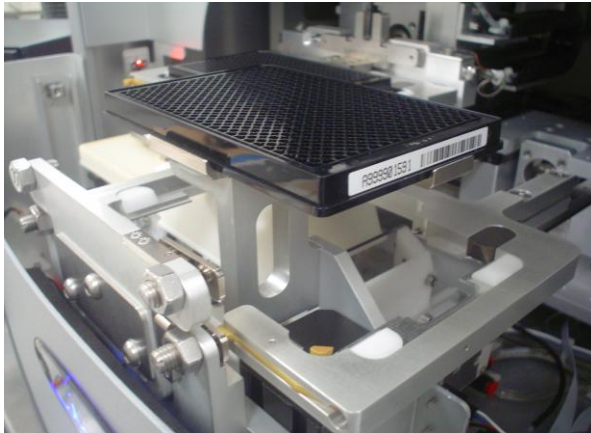


Figure 1. Mono-Lift presenting a plate from the source gripper of an ATS.

Key Features

- ◆ Presents both source and destination wellplates at the same location on the ATS.
- ◆ Compatible with a wide variety of wellplates and robotic grippers.
- ◆ High level of accessibility to wellplate from all directions.
- ◆ Reduces integration costs.
- ◆ Wellplate presence sensor.
- ◆ Seamless upgrade into pre-existing ATS-100 automation (av) models.

No Wrist? –No Problem!

When manually operating instrumentation, ambiguity can result in costly errors, which is why the ATS line of acoustic liquid dispensers feature separate source and destination nest docking positions. But when it comes time to automate, every motion counts. This is why EDC Biosystems now offers the Mono-Lift option package. Both source and destination plates can now be presented to any robotic end-effector at the exact same x, y, and z positions. With only one location to go to, lower-cost robotic systems may be used to interface with the ATS. Likewise, if the robotic arm you already use in your automated workstation does not have a wrist, no problem! But in addition, with the Mono-Lift's low-profile and flexible design, robotic fingers can access the wellplate from almost any angle and achieve a firm grip even with the lowest profile plates on the market. So, for your next automated acoustic liquid dispensing needs, choose the ATS along with the Mono-Lift option package for a winning combination of performance and price!

Specifications

- ◆ Wellplate placing tolerance: ± 1.5 mm in x and/or y-axis.
- ◆ Wellplate presentation: ± 0.25 mm in x and y-axis.
- ◆ Minimum wellplate skirt height: 1.5 mm
- ◆ Power: (External power not required)
- ◆ Control: ATS software version 5.2.3 or higher.



Figure 2. Mono-Lift nest ready to receive a plate into the destination gripper of an ATS.



From the makers of ATS acoustic dispensing systems