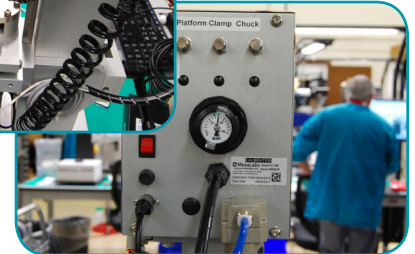
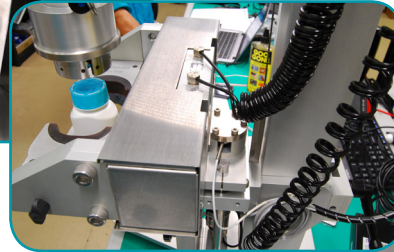
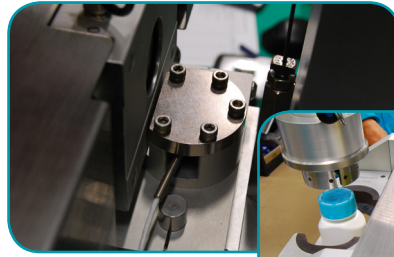


## ST-120S Top Load Monitoring

Mesa's top-load monitoring feature is an ideal solution for evaluating Child-Resistant Closures and testing the application angle of 1 piece beverage caps



You can now add the option of monitoring vertical force on the ST-120S machine with a force transducer input. This added feature incorporates an electronically controlled and monitored topload system into our ST-120S automatic torque tester to allow of testing the application and functionality of child-resistant cap/bottle combinations.

The ST-120S with top load monitoring is the preferred method to test and evaluate the measurement of the torque retention properties of container/continuous thread closure systems of various designs including Type I, style "A" push down and turn Type II child resistant and non child resistant type closures.



Top load monitoring will also help certify manufacturers, packagers, and repackers are compliant with FDA regulations, including the Poison Prevention Packaging Act, 16 C.F.R. Part 1700, by accurately identifying the force and removal torque required on child resistant closures. This feature is also compliant with the following ASTM Standards:

- D3968-97(2002) Standard Test Method for Monitoring of Rotational Torque of Type IIIA Child-Resistant Closures
- D7860-14 (2014) Standard Test Methods for Measurement of Torque Retention for Child Resistant and Non-Child Resistant Packages with Continuous Thread Closures Using Automated Torque Testing Equipment

For further information on the design and specifications of the topload monitoring, please contact [torque@mesalabs.com](mailto:torque@mesalabs.com) or dial (303) 987-8000 to speak with a representative. We look forward to continuing to serve the cap testing industry and our loyal customer base.