



Cap Coder manufactures various bespoke and standard filling, capping and coding machines

Torque testing is automatic

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Cap Coder has developed its automatic torque testing & report system to meet its clients in the pharmaceutical, medical, chemical and also now, e-cigarette markets' needs to comply with regulatory validation processes.

This system, which dramatically reduces the time required for checking and validation processes was featured in a new e-cig CC1160 machine that was launched at the PPMA Total Show in September.

This e-cig CC1160 is a bespoke variant of the company's flagship CC1160 capping and bottling range of machines. A monoblock unit with a small footprint to maximise the best use of space, this was designed for the e-cigarette and vaping sector.

In operation, it automatically orients and feeds the components of an e-cigarette refill bottle (bottles, droppers and caps) into the machine. It fills each bottle to the exact level, inserts a dropper, attaches and tightens the cap to the desired torque and

then places the product onto a conveyor ready for the labelling process.

Every aspect is checked, from the fill level, dropper and the tightness of the cap and any deficient product is rejected. Depending on the fluid viscosity, the production speed of this machine is up to 60 units a minute.

CONTROL MECHANISM IS KEY

According to Cap Coder managing director Ross Prior, the company created its automatic torque testing & report system to eliminate manual intervention and the control mechanism that is included, is key to achieving this. In operation, the new automatic torque testing system measures the applied torque or the un-doing torque of a chosen sample of caps selected at regular intervals during the run.

This valuable validation data can be uploaded to a PC as a text file, says Prior.

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