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9 Law Drive

Fairfield, NJ 07004

973.227.8080

turchette.com

News Release

client: **TurboFil Packaging Machines LLC**

contact: Christopher Dale, Turchette Agency

(973) 227-8080, ext. 116; [cdale@turchette.com](mailto:cdale@turchette.com)

Deborah Smook, TurboFil

(914) 239-3878; [debbie@turbofil.com](mailto:debbie@turbofil.com)

**For Growing Customer, TurboFil Upgrades**

**Fully Automatic Syringe Filling System**

***Now capable of handling up to 80 syringes per minute, TipFil™ Syringe Filling & Assembly Machine offers a fully automated start-to-finish process.***

*Mount Vernon, NY* – **TurboFil Packaging Machines LLC**, an equipment specialist dedicated solely to the design and development of liquid filling and assembly machines, has enhanced its recently introduced **TipFil™ Syringe Filling & Assembly Machine**, which automates the company’s popular **TipFil™** syringe filling process. Equipped with an updated platform to achieve throughput speeds up to 80 syringes per minute, the next-level machine was supplied to a customer filling pest control product in 30ml syringes.

TurboFil’s TipFil™ Syringe Filling & Assembly Machine automates all processes – from syringe loading, filling and capping through inspection, labeling and printing. The servo-driven intermittent motion machine incorporates a racetrack indexing system for rapid, reliable throughput; for multi-product manufacturers, the system also can feature interchangeable pucks to accommodate syringes with fill volumes from 1-60mls. The system can handle a wide range of product viscosities.

For the enhanced version, loading is performed via elevator hopper to a vibratory bowl, which transfers four syringes at a time to a tracked placement mechanism. Next, pistons are placed into all four syringes simultaneously, and advanced to the bottom of each. Dosing is performed through-the-tip via ceramic pump, with a no container/no fill sensor preventing product wastage. Metering occurs via plunger positioning sensors, with a plunger pullback mechanism reducing drips and assuring exacting fill levels.

From there, caps are placed and torqued automatically on the tips of each syringe. Once any rejects for missing components or fill volume are automatically removed from the production line, filled syringes proceed to the integrated labeler. The labeling function is facilitated by a roller conveyor that transports the syringes to the labeling head. A printer adds lot number and expiration date along with any additional necessary markings.

Ergonomically designed for efficient operation, TurboFil’s TipFil™ Syringe Filling & Assembly Machine features a 10” touchscreen HMI, Allen Bradley PLC, and three password levels for access protection. Ethernet capabilities allow for remote diagnostics, while easily identifiable buttons for emergency stop, reset, and circuit breaker-enabled on/off provide expedient line stoppage and intervention. A number of optional features are available to customize the machine to the needs of various applications.

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**About TurboFil Packaging Machines LLC**

TurboFil is an equipment specialist dedicated solely to the design and development of liquid filling and assembly machines for the pharmaceutical, medical device, health & beauty and chemical industries. Since its inception in 1999, the company has created novel, durable production solutions for some of the industry's most challenging applications, consistently setting new benchmarks for filling precision and operational simplicity.

TurboFil's equipment portfolio features a broad range of standardized equipment, and the company also frequently collaborates with customers to develop, design and construct customized, built-to-spec machines. This versatility has made TurboFil a leader in supplying reliable, efficient and cost-effective filling and assembly systems that fit seamlessly into existing operations. For more information, visit [www.TurboFil.com](http://www.TurboFil.com)