

DROFEN MACHINERY Redefines Injection Pen Assembly with Turnkey Project-Delivery Model for Global CDMOs

Offering a unified solution from pre-assembly to final assembly, DROFEN helps pharmaceutical manufacturers cut validation timelines and scale up production.

SHANGHAI, SHANGHAI, CHINA, May 7, 2026 /EINPresswire.com/ -- As the global demand for biologics and GLP-1 therapies surges, pharmaceutical manufacturers and Contract Development and Manufacturing Organizations (CDMOs) face a critical bottleneck: the fragmented and time-

consuming process of sourcing and validating injection pen assembly equipment. To address this industry-wide challenge, [DROFEN MACHINERY](#) has officially introduced its Turnkey Project-Delivery Model, establishing itself as a unified system provider for both [injection pen assembly lines](#) and [pre-filled syringe filling](#) equipment.

Traditionally, pharmaceutical companies have relied on an Original Equipment Manufacturer (OEM) model, purchasing pre-assembly machines, final assembly machines, and filling lines from different vendors. This fragmented approach often leads to integration failures, extended lead times, and complex validation hurdles. DROFEN MACHINERY disrupts this paradigm by taking full responsibility for the entire production ecosystem.

"We recognized that our clients do not just want to buy machines; they need a validated, compliant, and ready-to-run process," said Xu Zhu, spokesperson for DROFEN MACHINERY. "By bridging the gap between mechanical engineering and pharmaceutical compliance, our project-delivery model significantly reduces the time-to-market for critical injectable therapies."

A Comprehensive Ecosystem: From Pen to Production

DROFEN MACHINERY's unique value proposition lies in its holistic approach. The company

The DROFEN logo, consisting of the word "DROFEN" in a bold, black, sans-serif font, with a blue underline beneath the letters.

DROFEN MACHINERY — Turnkey Project-Delivery Partner for Injection Pen Assembly Lines

delivers a seamless integration of pre-assembly equipment (which constructs the intricate mechanical sub-assemblies of the pen) and final assembly equipment (which integrates the drug cartridge).

Beyond simply supplying the assembly and filling lines, DROFEN MACHINERY provides a complete solution that includes the injection pens themselves, backed by comprehensive regulatory and validation support (Q1-Q8 documentation). This bundled approach ensures that the equipment and the device are perfectly matched, eliminating the interface risks that typically plague tech transfers.

"Our goal is to make our customers great again by empowering them to scale up their operations without the traditional headaches of equipment integration," added Zhu. "Whether a client is setting up a new facility for pre-filled syringes or expanding their capacity for insulin pens, we provide the technical foundation and the compliance framework they need to succeed in highly regulated markets."

Bridging the Gap with Advanced Technology

In addition to its assembly capabilities, DROFEN MACHINERY is at the forefront of automated quality control. The company integrates advanced inline inspection technologies into its high-speed lines, ensuring that every unit meets the stringent requirements of global regulatory bodies, including GMP standards. This commitment to quality extends to their specialized PP (polypropylene) syringe filling lines, which are increasingly preferred for modern biologics.

By offering a true turnkey solution—encompassing the device, the pre-assembly line, the final assembly line, and the validation documentation—DROFEN MACHINERY is positioned as a strategic partner for pharmaceutical companies looking to optimize their capital expenditure and accelerate their product launches.

For more information about DROFEN MACHINERY and its turnkey solutions for injection pen assembly and pre-filled syringe filling, please visit their website or contact their engineering team to discuss specific project requirements.

About DROFEN MACHINERY:

DROFEN MACHINERY EQUIPMENT CO., LTD is a specialized turnkey project-delivery partner focused on advanced pharmaceutical manufacturing equipment. With deep expertise in injection pen assembly lines and PP plastic syringe filling lines, the company provides comprehensive system solutions that bridge the gap between mechanical assembly and pharmaceutical compliance.

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