

Hanwha L2 Pick and Place Machine Lens Vibrating Feeder Solution

Dear Valued Customer,

Thank you for your continued trust and support. Based on your production requirements, we have developed the following tailored solution to significantly improve lens feeding efficiency, ensuring that your pick-and-place machine maintains stability and reliability during high-speed operation, fully meeting your production goals

I. Project Background

In modern electronics manufacturing, the efficiency and precision of pick-and-place machines directly impact production costs and product quality. When handling high-precision lenses, traditional tape feeder methods not only incur high costs but also suffer from asynchronous picking, which reduces production efficiency. To address this challenge, we have developed a customized lens vibrating feeder system specifically designed for the Hanwha Decan L2 pick-and-place machine. This system ensures stable lens supply and fully automated operation, greatly improving production throughput and yield.

II. Solution Overview

The lens vibrating feeder in this solution is optimized for the structure and operating characteristics of the Hanwha Decan L2, offering the following key advantages:

High Stability:

- The unique lens channel design effectively prevents jamming and misalignment, ensuring continuous feeding.

High Feeding Efficiency:

- Continuously and rapidly delivers lenses to the pick-and-place machine, meeting high-speed placement demands.

Precise Positioning:

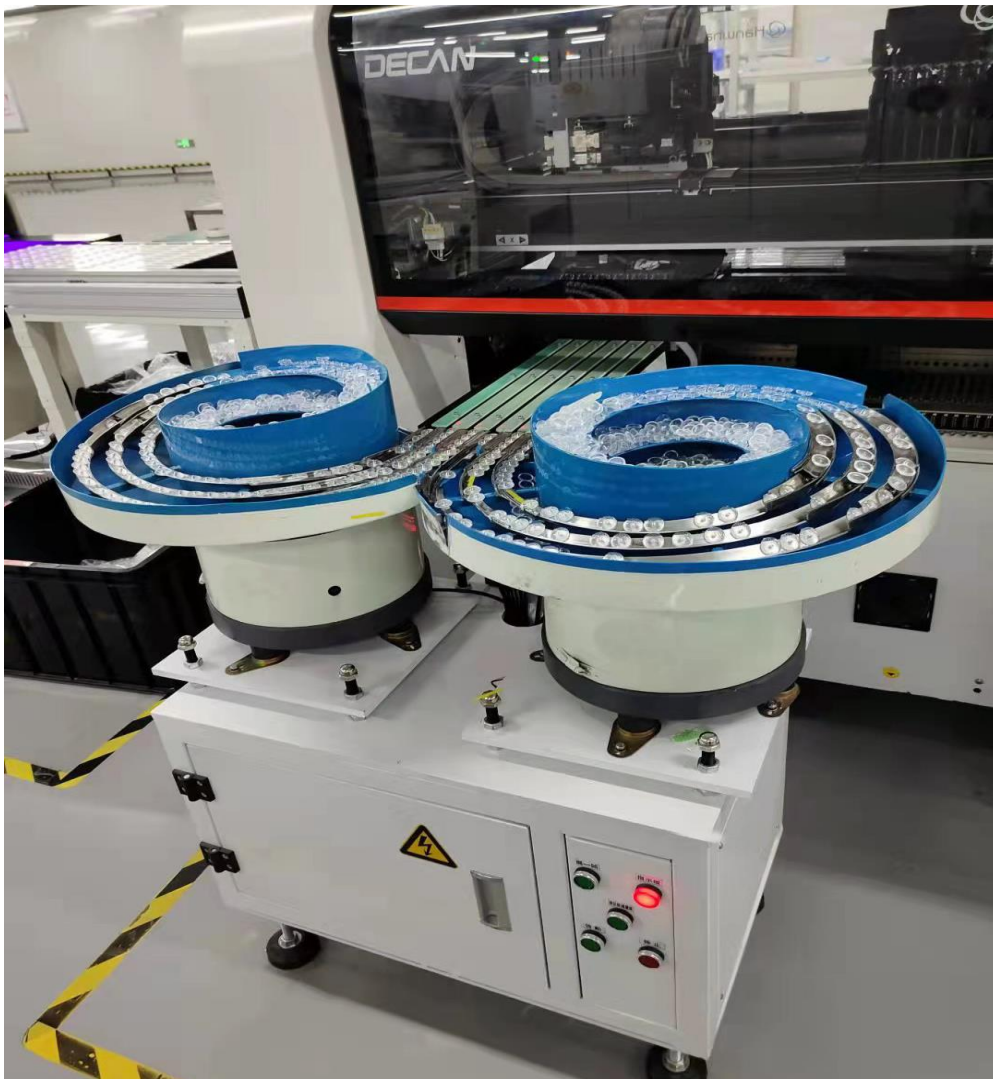
- Equipped with an automatic detection and feedback system to ensure each lens is accurately positioned before entering the pick-and-place machine, reducing deviations and scrap rates.

III. Detailed Technical Specifications

Item	Specification
Circular Vibration	Dual-disc, 3 tracks
Linear Vibration	6 tracks
Base	2 bases (1 frame)
Feeding Speed	6 channels, 28,800 CPH (single channel: 60–80 pcs/min)
Manual Controller	3 sets (for circular and linear vibration)
Linear Vibration Mechanism	Dual-frequency linear vibration, stable and fast lens delivery
Circular Vibration Mechanism	High-power four-direction circular vibration

Control System	Fully automatic PLC control
Air Circuit Control	Fiber-optic sensing jog control
Equipment Dimensions	1350 mm × 1000 mm × 750 mm (subject to actual product)
Power Supply	220V, 50–60 Hz
Power Consumption	1 KVA

Hanwha Decan L2 Lens Vibrating Feeder Product Image (Dual Base):



IV. Solution Advantages

- **Efficiency Boost:** Fully automated feeding, perfectly matching the Decan L2 pick-and-place machine's picking speed.
- **Professional Expertise:** 15 years of industry experience specializing in lens vibrating feeders; one-year machine warranty; 24/7 online technical support.

- **High Compatibility:** Designed specifically for the Hanwha Decan L2 to ensure seamless integration.
- **Trusted by Leading Clients:** Partners include TCL, Nationstar, Refond, Jinko, Bichen, Daliang, Wellen, Hisense, Changhong, Kewell, and other domestic and overseas customers.
- **Wide Applicability:** Compatible with Hanwha, Samsung, Yamaha, JUKI, Panasonic, Fuji, Siemens, Hitachi, and domestic pick-and-place machines, with customization available.

V. Other Pick-and-Place Machine Lens Vibrating Feeder Solutions

In addition to the Hanwha Decan L2, we also provide customized lens vibrating feeder solutions for various other pick-and-place machine models, meeting diverse production line efficiency and precision requirements.

