

LED and HID Lighting Production Line

This production line is designed for manufacturing LED and HID lighting systems. It incorporates interconnected modules for material handling, controlled environment assembly via glove boxes, and elevated platforms.



Overview

Turnkey Production Solution

This large-scale, integrated production line is engineered specifically for the manufacturing of advanced automotive lighting, including xenon, UHP discharge, and ceramic metal halide lamps. The system incorporates a comprehensive suite of precision equipment, ranging from controlled-environment glove boxes to automated electrode positioning and plasma sealing modules. Designed as a turnkey project, this solution ensures high-quality output and streamlined assembly for complex lighting technologies.

Key Equipment

Integrated Production Modules

- 12-unit large glove-box operation system
- Vacuum furnace for de-hydroxide processing
- Mercury dosing equipment
- Bulb forming machine
- First electrode positioning machine
- Second electrode positioning machine
- Xenon filling & plasma sealing machine
- Outer tube positioning device
- First electrode pressure closure system
- UHP pressure closure equipment

Application

Compatible Lamp Technologies

Automotive Xenon, UHP Discharge, Ceramic Metal Halide

System Capability

System Scale

Large-scale • Turnkey Project