How to use the light-pulling module auxiliary tool

Overview

Pull the Light We are supported by Autodesk, a global leader in design and make technology. ELECTRICAL INSTALLATION AND MAINTENANCE NC II This document pro.

Key Takeaways

A light-pulling module auxiliary tool safely removes or installs LED or optical modules by applying controlled force, either via vacuum suction or clamp mechanisms, preventing damage to delicate components.Understanding the Tool

There are two common types of light-pulling module auxiliary tools:

• Vacuum-based tools (e.g., CHAUVET MT-07): Battery-powered devices that create a secure vacuum seal on LED modules, allowing even pulling force for safe removal or installation on video panels .

• Clamp-type tools for optical modules: Pliers-like instruments with two arms; one end is designed for pulling fibers, and the other for pulling light modules. Features include notches, hooks, and clamp heads to prevent damage during extraction .
Step-by-Step UsageFor Vacuum-Based LED Module Tools:
• Charge the battery and ensure the tool is fully powered.

• Position the suction cup over the LED module, ensuring a secure seal.

• Activate the vacuum to create suction.

• Apply gentle, even pulling force to remove the module from the panel.

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• For installation, align the module in its slot and release the vacuum to place it securely.

• Store the tool in its protective case after use to maintain portability and safety .
For Clamp-Type Optical Module Tools:
• Identify the correct end: use the fiber-pulling end for optical fibers and the module-pulling end for light modules.

• Engage the clamp heads on fibers or align the notch/hook on the light module.

• Apply controlled pressure by squeezing the clamp arms to extract the module or fiber.

• Adjust force and position depending on whether the module is on the surface or recessed inside the equipment.

• Release carefully to avoid bending or damaging fibers or modules .
Safety Tips
• Always verify compatibility with the module type and equipment.

• Avoid excessive force; the tool is designed to apply even pressure.

• Inspect the tool for wear or damage before use.

• Practice on a spare module if possible to gain familiarity with the tool's operation.
Maintenance
• Keep vacuum cups and clamp heads clean to ensure proper grip.

• Charge batteries regularly for vacuum tools.

• Store in a protective case to prevent accidental damage. Using these tools correctly ensures damage-free removal and installation, improves efficiency during maintenance, and extends the lifespan of LED or optical modules.

Article Content

List of all needed auxiliary tools for crafts

List of all needed auxiliary tools for crafts Since I couldn''t find a list online of all auxiliary tools needed for crafts, I decided to make

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