

KGT400

Laser Obstacle Remover



Description

The KGT-400 uses laser high energy to instantly dissolve foreign matter tangled on high-voltage lines without damaging the transmission lines. When it is found that there is a foreign body hanging on the guide ground of the transmission line, which affects the safe operation of the line, the operator aims at the target through the sight on the ground and controls the laser to emit laser. After several seconds of melting, the foreign body of the plastic fiber material is broken off, and the laser is closed, thus completing the whole work of handling the foreign body with electricity.



Product Advantage

- Laser removal equipment for foreign body in power grid
- The high energy laser is used to instantly dissolve the foreign matter tangled on the high voltage line without damaging the transmission line
- Wide range of products, 0-500W power, continuous adjustable
- Effective distance of 350 meters
- No damage to the wire, simple and controllable operation
- Safe and fast, 5-10 seconds to fuse foreign matter
- The battery can work for 2 hours at full power
- It can launch controlled laser from the ground for remote cutting and removal of high altitude foreign bodies, realizing live, remote, non-contact operation, with safe, fast, live operation
- It is suitable for removal of nonmetallic foreign bodies in overhead lines
- Can be used for long-distance tree, cutting branches
- Objects of action: branches, kites, kite string, advertising cloth, sunshade net, agricultural plastic film and other chemical fiber and plastic non-metallic material foreign bodies



只为给你更好的测试体验，只为让我们成为更好的自己！

Keep Greater Testing, Keep Greater Together!

KGT400

Laser Obstacle Remover



Technical Data Sheet

Model	KGT-400
Size(mm ³)	618mm×470mm×340mm
Weight	30KG
Cooling	Air-cooled
Power	0-500W continuously adjustable
Wavelength	1080±10
Humidity(%)	95%RH
Laser class	IV
Lead beam	Primary sighting system: Red, auxiliary sighting system: green
Guided light path	Same beam as the laser
Laser output	The focal length can be adjusted dynamically within the range of 350 meters, and the focusing spot size is 18mm. At 200m, the focusing spot diameter ≤ 8mm
Farthest working distance	350M
Remote removal time of foreign bodies	The remote removal time of a typical 10cm foreign body is 15 seconds
Pan&Tilt Accuracy	0.6
Rotation angle	Horizontal:±360°, vertical:±360°
Power supply weight	≤10KG
Working time	2
Operating temperature	-25℃~+70℃
Atmospheric pressure	550hPa~1060hPa
Telescope resolution	1920×1080
Real-time transmission frame	≥25FPS
Delay time	500ms
Structure and appearance	The external surface of each component should be smooth and smooth, without dents, scratches, cracks, deformation and other defects. All parts shall be installed correctly, firmly and reliably, and the operation part shall be free from hysteresis, jam, loose and other phenomena. The logo, nameplate, text and symbols are concise and clear.
Image	Equipped with electronic camera aiming image transmission system, electronic camera with electric focusing, electric focusing, electric aperture adjustment functions: The tablet computer larger than 10 inches is used to clearly display distant target details, without naked eye observation, aiming completely unaffected under the scorching sun, the screen crosshaid calibration crosshaid is the light point

只为给你更好的测试体验，只为让我们成为更好的自己！

Keep Greater Testing, Keep Greater Together!

KGT400

Laser Obstacle Remover



Night vision function	With night vision function, and easy to switch night vision working mode, with the ability to complete the processing of defects in the whole night
Scanning mode	Automatic and manual scanning modes are supported. Automatic scanning modes include horizontal line scanning, pitch line scanning, plane scanning and trajectory tracking
All-weather working ability	With all-weather working ability, can achieve normal operation in the day, night, light rain, wind and other natural conditions.
Laser light source cooling mode	Air cooling
Quick aim	When aiming any target within the required range (200 meters distance range, horizontal 60°, vertical 0~80°), aiming time ≤ 20 seconds, laser aiming deviation ≤ 10 mm.
Power supply requirement	It can use 220V AC power supply or portable lithium battery power supply, continuous working time at full load ≥ 120 minutes;
Erection and storage	Convenient installation, erection, disassembly and storage. No more than 5 minutes from storage state (equipment and all accessories are in storage, transportation and packaging state) to working state (erection completed, aiming light) : no more than 5 minutes from working state to storage state.
Safety protection	<ol style="list-style-type: none">1. With the function of proximity and movement detection, when there is an object close to the working range in front of the device (the working range refers to the maximum working area of the laser calibrated by the device and extends to the entire range of 5 meters), the laser will stop immediately and give an alarm2. With tipping protection function, when the equipment is tipping (the equipment deviates from the central axis of the equipment $30^{\circ} \pm 5^{\circ}$ in any direction), the power supply will be automatically cut off to prevent accidental injury to nearby personnel3. With the safety protection function of barrier clearing peripheral equipment, the safe working range can be predetermined, and the laser cannot be turned on when aiming beyond the range4. The controller must have the security control function and requires a password and key to operate. Unauthorized persons cannot operate the device5. Intrusion detection function. In the monitoring range of human or animal body passing, the laser automatically shut down

只为给你更好的测试体验，只为让我们成为更好的自己！

Keep Greater Testing, Keep Greater Together!