Product introduction of intelligent laser cleaning instrument

UDMachine

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This product will be the fiber laser light alignment, can work effectively in a long distance;

Supporting the mobile power supply operation, portable pull rod box design, convenient for outdoor operation;

Using visual coaxial or green light assisted aiming mode at the same time equipped with high precision electric head, quickly aiming at the target;

Independent design of the operating system, can customize the customer logo, diversified operation functions;
Equipped with high-power lenses, it can stabilize the light for a long time;

The large aperture lens can be customized according to customer requirements to achieve the demand of farther distance and smaller spots.

dream of

credibility and integrity

character

deal with concrete matters relating to work

Introduction to software function

Basic software functions, advanced software functions (optional)

Software function features

Automatic cutting function, electronic fence function, cross center calibration function, continuous power setting function, cloud head speed gear setting function, video photo function, dumping protection function, foreign body intrusion alarm function;
Remote control function, laser ranging function, laser automatic zoom function.

Operation interface of intelligent laser instrument software

Introduction to software function

Operation interface of intelligent laser instrument software

Basic software functions:

1. With automatic cutting function: can edit the cutting path and cutting speed, intelligent operation to remove foreign bodies
2. With electronic fence function: can edit the electronic fence area, when the laser moves to the fence can automatically turn off the light
3. With the cross alignment calibration function: can quickly adjust the position of the cross center, convenient and accurate operation.
4. With continuous power setting function: 10 gear laser output power optional, precision control light
5. With the cradle head speed gear setting function: 9 level cradle head speed adjustable, accurate aiming
6. With the function of video photography: it can monitor the operation process and realize visual security
7. With dumping protection function: when the equipment dump is automatically turn off the light
8. With the function of foreign body intrusion alarm: it can automatically turn off light when people appear within 10 meters in front of the equipment

Advanced software features (optional):

1. With remote control function: operators need to be authorized by remote personnel before work
2. With laser ranging function: it can accurately display the distance between the device and the target on the operating plate
3. With the laser automatic zoom function: it can automatically adjust the size of the laser spot at different distances according to different distance values

specification

product model:	350W laser foreign body removal complete machine	500W laser foreign body removal complete machine	1000W laser foreign body removal machine
output power:	The 0-360W is continuously adjustable	The 0-510W is continuously adjustable	The 0-1020W is continuously adjustable
Equipment size:	External: 613 * 460 * 320mm	External: 613 * 460 * 320mm	External: 815 * 5400 * 315mm
Main case equipment weight:	≤33KG	≤35KG	≤50KG
levels of protection:	IP65	IP65	IP65
Power supply requirements:	DC48V 1500W	DC48V 2000W	DC48V 4000W
Aims:	Coaxial vision comes with the crosshairs	Coaxial vision comes with the crosshairs	Coaxial vision comes with the crosshairs
Camera resolution:	2K	2K	2K
Camera magnification:	30 x optical zoom + 10 x digital zoom	30 x optical zoom + 10 x digital zoom	36 x optical zoom + 10 x digital zoom
safety precautions:	Remote authorization + human body sensing + fingerprint unlock + AI face recognition + emergency stop	Remote authorization + human body sensing + fingerprint unlock + AI face recognition + emergency stop	Remote authorization + human body sensing + fingerprint unlock + AI face recognition + emergency stop
coverage:	1-350 meters	1-500 meters	1-600 meters
temperature:	-20℃-70℃	-20℃-70℃	-20℃-70℃
humidity:	> 90%	> 90%	> 90%
Battery weight:	14 KG / unit can continuously produce light for 2h	16 KG / unit can continuously produce light for 2h	The 33 KG / unit can continuously produce light for 1.5h
Cloud platform weight:	≤5kg	≤5kg	≤5kg

Main use and scope of use

- The removal of non-metal obstacles such as kites, balloons, advertising cloth, birds' nests and trees on the high voltage line of the power grid;

- Railway line maintenance, for the removal of some foreign bodies;

- Defensive security, explosive disposal, police anti-terrorism, anti-UAV and other operations;

- Laser deicing, remote charging and other emerging applications.