

STRUCTURE OF LASER CLEANING MACHINE

ABSTRACT OF THE DISCLOSURE

The structure of a laser cleaning machine contains a laser generation device for cleaning a to-be-cleaned object, a platform for supporting the to-be-cleaned object under a projection path of the laser generation device, an image capture device configured on the laser generation device, and a cleaning and control device inside the image capturing device for setting a traversal path of the laser generation device and for processing information obtained by the image capturing device. The image capturing device contains a first capturing element and a second capturing element to a side of the first capturing element. The cleaning and control device obtains the location distribution and the precise coordinate of each contactor element on the to-be-cleaned object, and then determines an optimized traversal path and instructs the laser generation device to conduct cleaning accordingly so as to achieves high-quality and highly efficient cleaning.

FIG. 2