

Line Follower Head LH500

This new line follower sensor features the latest imaging technology to keep slit failures to an absolute minimum

Line Follower Head LH500 is a sensor that optically detects register lines or patterns printed on a web and, in combination with a controller (*1), can be used to form an EPC (Edge Position Control) and LFC (Line Follower Control) system. Line Follower Head LH500 stores detected lines as image information, which it uses to perform pattern matching and comparison operations on image information during operation. With this new system, even if register lines and printing accessories are mixed, the stored lines are always tracked.

*1 Liteguide controller AE1000/AE900L, Web Guide amplifier EH321A



Special Features

Printed lines stored as image information

The new system is highly effective and keeps track of stored line information, even if register lines and printing accessories are mixed.

Automatic optimization of illuminant color and light volume completed simply by pressing the search button

The sensor has an automatic light adjustment function which can be used also for highly reflective material, such as aluminum foil and copper foil.

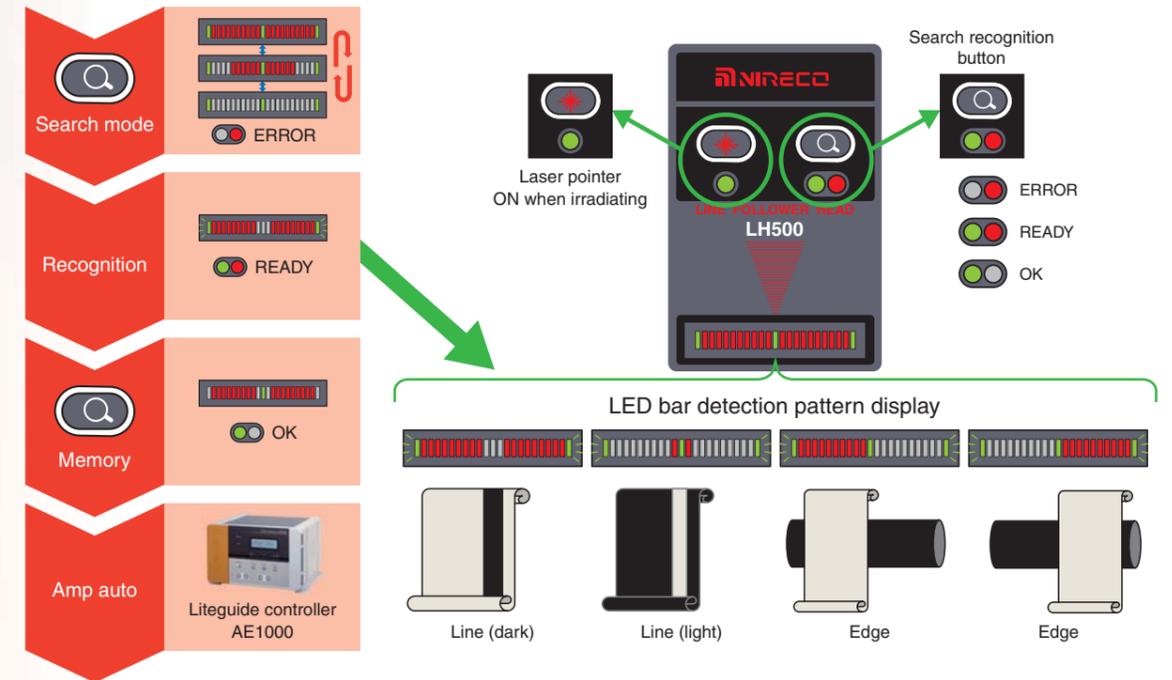
Central positioning simple with laser pointer

The device is equipped with a laser pointer, improving visibility of control position.

LED bar makes detection status easy to see

The detected object and detection status can be seen at a glance. Use the search button to toggle between operating mode (deviation display) and search mode (pattern display).

LH500 operating procedures



Application

This is an example of using a combination of LH500 and a Liteguide controller with a slitter machine. The register lines or patterns printed on a web are detected using LH500. Then, so that the line always passes through the reference position, the unwinding reel shifts in the opposite direction from the deviation to cancel out irregularity, stretching, shrinking, uneven thickness, etc., of the web, enabling high accuracy slitting.

