

LENGTH POSITIONING OF WOODBINDERS

Industry: Wood- / Metal machines
Application type: Positioning

Brief description



Pic 1: Dimetix Laser measures the wood face-on

Spruce wood has been produced at our customers facility for decades with great care and professional competence and is not a freely interchangeable product. Because the big difference is in countless details that have been perfected over the many years.

Our customer has the most modern know-how for the production of cuttings for a wide range of applications such as planking, timber construction, roof constructions, pallet production etc.

Dimetix lasers are used daily. The truss length is used for positioning and to enhance their operational efficiency.

Customers advantages

- No Production delays
- Non-contact, eye-safe laser measurement
- Measurements can be acquired by a PLC or PC
- Maintenance free → no breakable moving parts
- Economical, rugged, and compact package
- Precision ± 1mm



Pic 2: Installation of Sensor



Products used

FLS-C series

The FLS-C distance measuring device measures absolute distances up to 500 meters on reflective foil without contact. Due to most innovative laser technology the FLS-C has a unique accuracy of ± 1.0 mm. A further advantage of the FLS-C is the quick determination of the positions of moving objects.

The FLS-C is an optical distance measuring device. It measures, maintenance-free, distances up to 65m on natural surfaces. It determines positions of objects that are difficult to access or may have very high surface temperatures. Just as easily, it accurately measures distances in hazardous environments.

The FLS-C is designed to be suitable for both, heavy industrial and outdoor applications. It is constructed of a solid metal case and provides class IP65 environmental protection. **It represents a cost efficient solution even at extreme environment temperatures as low as -40° C.** Furthermore, various features make it flexible for multiple applications in numerous industries such as automotive, paper, metal and textile.

Specification

- Measuring range 0.05 up to 500m
- Accuracy ± 1.0 mm
- Repeatability ± 0.3 mm
- Extended operating temperature
- Solid metal case IP65
- Supply voltage



For new projects we recommend our **D-Series**. Further information can be found [here](#).

For more information please contact us on application@dimetix.com

