

## DIMETIX APPLICATION EXAMPLE

AE-0112

### CUTTING APPLICATION

**Industry:** Metal industry  
**Application type:** Dimension measurement

#### Brief description



Pic 1: Order of the Dimetix sensors

Length division devices are a common and widespread tool in the metal processing industry. On the market there are various standard solutions of such devices available. However, standard solutions are not suitable for every metal processing plant and some require a solution designed for their operation or for a particular product. Dimetix laser distance sensors can help keep the cost of a special model as low as possible as well as keep the construction simple.

The example described here (Pic 1 and 2) shows a very simple and economical solution for a length splitting device tailored to the needs of the company. Thanks to the free Dimetix software, the customer only needs the sensor and a digital display. A PC is only required for the configuration of the device.

#### Customers advantages

- Easy installation and configuration due to the free software
- Operating in large temperature range (-40.. + 50 ° C) possible
- Maintenance free
- Measuring range up to 500 m on reflective foil
- Measuring range up to 65 m on natural surfaces
- Accuracy  $\pm 1$  mm



Pic 2: Measurement of the rear setting



## Products used

### EDS-C 30

The EDS-C 30 distance measuring device measures absolute distances up to 150 meters without contact on reflective foil. Due to most innovative laser technology the EDS-C 30 has an accuracy of  $\pm 3$  mm.

The EDS-C 30 is an optical distance measuring device. It measures, maintenance-free, distances on natural surfaces up to 65 meters. 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 EDS-C 30 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 high as +50° 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 150 m
- Accuracy  $\pm 3$ mm
- Repeatability 1.5 mm
- Extended operating temperature
- Solid metal case IP65



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

For more information please contact us on [application@dimetix.com](mailto:application@dimetix.com)

