



## Falldorf Sensor

## FineSensor



The FineSensor acquires a surface profile with a very high resolution. By an integrated microline laser projector and an integrated CMOS camera a lateral and vertical resolution down to  $5\ \mu\text{m}$  ( $\pm 2.5\ \mu\text{m}$ ) can be achieved. The sensor is used for the inspection of very fine laser welded seams.

The FineSensor is available with different optics and electronics (speed)

### Field of View / Resolution

standard models (or custom specific)	stand-off [mm]	horizontal field of view [mm]	vertical field of view [mm] (larger at reduced accuracy)	horizontal resolution [ $\mu\text{m}$ ]	vertical resolution [ $\mu\text{m}$ ]	speed EC version [Profile/s] ca.	speed HS version [Profile/s] ca.
FineSensor/12/2.5	12	2.5	0.8	10	5	100	1000
FineSensor/12/5	12	5	0.8	5	5	25	250



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ca. 450 g weight

standard 10 / 30 / 60 m length of signal/power cable

the sensor is equipped with a disposable protective window

