

THE TASK

On the **MP 2000 Compactor** baling press from the Norwegian company Orkel are to be found many typical applications for the sensors of Pepperl+Fuchs:

- Measurement of the filling level in a container
- Control of the position of flaps, shutters and casings
- Counting the number of revolutions made by axles



Fig. 1: MP 2000 Compactor Baling Press

THE SOLUTIONS

We present here the actual solution options chosen for the above tasks on the Orkel **MP 2000 Compactor** Baling Press.

On this machine the measurement of the container filling level and control of the feed are achieved using the **UB2000-30GM-E5-V15** ultrasonic sensor (Fig. 2).

The inductive sensor **NBB8-18GM50-E2-V1** is responsible for indicating the position of the casing (Fig. 3). The same inductive sensor is also used to count the revolutions of an axle and hence to obtain information determining the size of the bales (Fig. 4).



Fig. 2: Level measurement using the ultrasonic sensor
UB2000-30GM-E5-V15



Fig. 3: Determining the position of the casing using the NBB8-18GM50-E2-V1 inductive sensor



Fig. 4: Counting the revolutions of the axle with the NBB8-18GM50-E2-V1 inductive sensor

CUSTOMER BENEFITS

Pepperl+Fuchs is able to provide sensors for the widest possible range of applications on agricultural machinery, providing the customer with the advantages of a single sourced supply. An essential feature of all our products is that they lend themselves to optimum integration into this varied range of applications.