



## Ultrasonic sensors assist in packing of fresh flowers

### The application fields of ultrasonic sensors are multilateral

Fresh cut flowers that are shipped internationally in large quantities, must be fresh, but still efficiently processed and packaged very gently. In a flower-packing machine it has to be detected when a bunch of flowers is ready in the tub for packing. An ultrasonic sensor of the [UFA series](#) looks down from above on the flowers and outputs a "present / not present" signal. The ultrasonic sensor was chosen because it is able to detect the very different shapes, colors and textures of the flowers reliably.

### Why ultrasound?

- independent of material, surface, colour, size
- works under dust, dirt, fog, bright light
- detects transparent and shining objects
- wide measuring ranges from few mm up to 5m

Outstanding features of the [UFA series](#) are the compact size and the version with 90° (radial) transducer for confine mounting conditions. The sensors are available as pure proximity switches and as distance sensors with V or mA analogue output as well. Typical applications are detection of objects and distance and level measurement. Thanks to the new transducer sealing the UFA sensors are very robust against many environmental influences. In particular, they are oil resistant, unlike many other ultrasonic sensors.

