

System Description

The “Colibri wireless 2.4GHz system intends to monitor the rotating speed of “Colibri” spindles.

The system has 2 units: receiver –the display unit and transmitter – Tag-Sensor unit

The display unit receives the speed data from the Tag-Sensor, which is mounted on the rotating spindle.

The system allows to register multiple tag-Sensors to one Display by placing the tag close to the receiver.

After the tag is registered with the receiver, the receiver will be aware of the tag and display the rotating speed of spindle once the spindle starts rotating.

The speed data is sent every 0.5 seconds and the receiver updates the display any time new data arrives.

When the spindle shaft stops to rotate, the tag will stop transmitting data until the spindle rotates again.