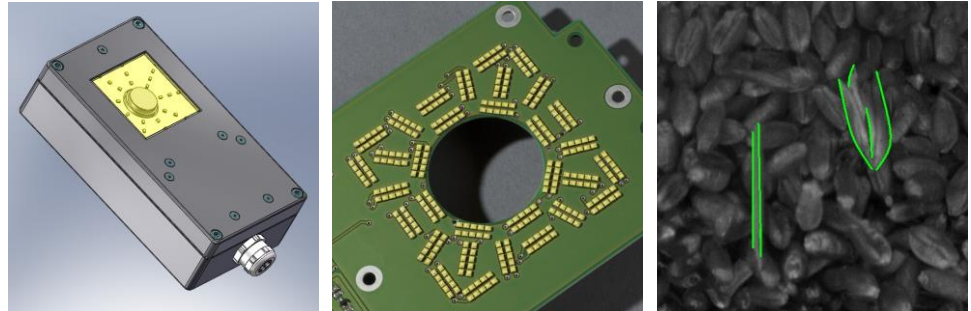




INSENSIV
BETTER_TO_KNOW

Online harvesting control



Modern combine harvesters achieve a variety of succeeding steps. Quality and harvest of the grain depend on their setting. To optimize the output the advanced machines should be adjusted permanently while reaping.

For this purpose INSENSIV offers a camera system to observe and inspect the harvest while reaping. The camera is mounted inside the harvester and transmits pictures of the fast flying grain into the driver's platform. A high refresh rate is guaranteed.

To visualize different grain types, a specific controllable lighting system performs a bright and homogeneous illumination in the threshing unit. Dust and dirt should neither impact the pictures nor invade the camera or the lighting. Therefore, the system is designed with a plain viewing window and a dust-tight housing.

With this system the driver can inspect the harvest production from the driver's platform and adjust settings immediately while reaping. Therewith he can increase the output quality as well as the threshing efficiency.

Based on this system INSENSIV offers a software-upgrading to support the visual inspection. An analyzing tool running on the smart-camera applies different image processing approaches to the grain images. Striking things like straw or husks are highlighted in the pictures.

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