

Visions of the Meat Industry.

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Abstract.

Vision systems are becoming increasingly more important for the Danish Slaughter Industry. Combined with vision analysis these systems are used for a wide range of applications both in-line at the slaughter-plants and in our laboratories.

Vision systems are used in-line for monitoring the quality of the work done during the slaughter process by either manual operators or by our slaughter robots.

In the beef industry vision systems are used to automatically assess the value of entire carcasses. Image analysis is also being used at our pork slaughter plants to evaluate images that are automatically obtained with an ultra sonic system. The outcome of this analysis is used for sorting carcasses according to total meat content.

Multispectral imaging instruments developed in collaboration with Videometer A/S are used for finding defects on the surface of individual cuts enabling these to be treated separately on the cutting line.

In our laboratory a VidiometerLab working with 20 individual wavelengths is used for research purposes by our staff in the meat quality department. Among other this instrument is being used for measuring colour and effects of different packaging systems on meat products.

Vision analysis combined with x-ray systems are also used in-line for finding foreign bodies in meat and meat products.