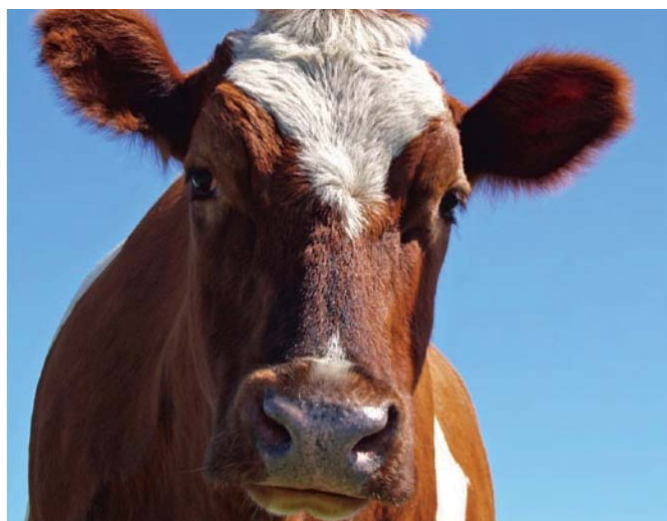


Industry: plastics, production of identity tags

Products Used: Industrial Robot RH6-SDH

Modernity and experience in the production of tags for cattle

Once upon a time when there was no EU and no identity tags and passports for cattle, the animals were branded. The system worked well although the cattle could have not quite liked this method.



In today's times the branding of cattle is a lot less drastic, as now the cattle receive an identity Tag which is pierced to their ear. This system of identification is to guarantee the origin and the safety of food according to the European Union's Policy, which in turn gives full access to meat markets throughout the member European countries.

Thanks to the huge experience of the employees of Destron Fearing and the continuous improvements- in the production process Destron Fearing is one of their market leaders when taking into consideration quality and durability of the cattle identification tags produced.

Effective production management of injected elements in industrial conditions require the use of expensive raw materials, machinery and the latest automation technology.

In order to be able to match their customers' demands of quick delivery times, flexibility and a low ratio of break-downs it was necessary for Destron Fearing to invest in the highest quality of automation products which Mitsubishi Electric offers.

The RH6-SDH robot proved to be an ideal solution for this application, being well developed, high function and easy to use.

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Thanks to the implementation of Mitsubishi Electric's RH6-SDH industrial robot we were able to guarantee our clients the continuity of deliveries and the very highest quality of cattle identity tags.

(Marek Wierciński)

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Not the least important effect in applying Mitsubishi Electric's robots was the increase in production output which automatically decreased stock backlogs, breakdowns and reduced production costs.



A new function of the DRD controller allowed an algorithm to be prepared which co-ordinates and controls numerous parts which are conveyed to the robot's arm. If by chance a product is removed the robot will take the next part from the feeder which was prepared earlier. In this application the collision detection function was used in such a way as to eliminate standstills with the feeder. In this way the optimum production process has been achieved which in turn has decreased production costs.