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## TURBOX | Perfection means: UNIQUE EJECT

Deliver quality-verified products to your customer! The unique diagonal fold supervision (DFS) in combination with the patented single box ejection system UNIQUE EJECT automatically extracts out-of-spec corrugated boxes to achieve qualified deliveries.

The control system, BOXFLOW® Control, features a Track and Trace function and provides relevant production and machine data via a defined user interface.

Schedule a demo to learn more about our possibilities of Industry 4.0!

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# GOING ADDITIVE FREE

LATEST RAW MATERIALS DEVELOPMENT FOR ANVIL BLANKETS FROM RODICUT.



Like the corrugated industry at large, RODICUT consider the care of the environment and health of staff and of the users of its products a priority. "We work to develop consumables that have the best performance in your machines, but above all that have the least environmental impact and also reducing the presence of toxicity for people in the manufacturing and converting processes," explains Philippe Coste Ramirez, President and CEO of Rodicut Industry. "For a few years now, the EU has been trying to eliminate one of the most critical elements in the composition of our polyurethane covers: MBOCA."



Philippe Coste Ramirez, President and CEO of Rodicut Industry

## What is MBOCA?

It is a synthetic chemical substance used as a curative agent in

conjunction with the prepolymer for the production of polyurethane parts. MBOCA is known scientifically as 4,4'-Methylenbis-(2-chloroaniline).

Technically, it is an excellent additive at a competitive price, so it is widely used. But it has some levels of toxicity and includes health risks that make it considered hazardous material during production. That's why its storage and handling are carried out under strict safety measures to protect the health of exposed operators and the environment.

## Are There Alternatives?

"The results of curatives developed so far have not reached a level of performance that favours the use of the MBOCA for some of the applications of use in which resistance to cutting and abrasion is combined," continues Philippe Coste Ramirez.

"This is why the manufacturers of the anvil covers have been using MBOCA as a curative on a general basis."

He adds, "With a strong R&D drive, anticipating legislative change and as a precautionary principle, a few years ago we began the development of a new formulation with an alternative curative to MBOCA. It is a new amine with a better toxicological profile and whose physical properties – after

many series of tests on our own testing machine at Rodicut and later in controlled tests on customer sites – have been perfected for optimum application performance on rotary die-cutters. It's quite possible you have already used this new formula in some of the parts that we could have supplied you in the last few months."

## MBOCA FREE

"As we are satisfied with these results, we have now launched MBOCA FREE, a brand of anvil covers with a new curative, free of toxicological effects and guaranteeing the same, or even better, performance," says Philippe Coste Ramirez. "As you have seen, this brand is already included on some of our deliveries and you will recognise it within the labels of our products."

## Safe For All Applications?

"We mainly focus this quality of anvil for machines that produce boxes that will be in direct contact with food, for example pizza boxes and, in general, on all customers who go one step further when dealing with health and the environment care, eager to move towards the use of raw materials with safer and cleaner components," concludes Philippe Coste Ramirez. ■



## WE CARE!

Anticipating the new EU regulation prohibiting the use of Mboca, we are launching MBOCA FREE, the **only brand** of Anvil Covers with a new curative free from toxicological effects and guaranteeing the same or even better performance.



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