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Doctoring to improve: Lucart adopts Oradoc solutions for new tissue machine at Porcari plant

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Figure 1. New Oradoc headquarters in Lucca.

When it comes to doctoring, companies all over the world know that they can trust Oradoc and its long-standing experience, that's why they rely on Oradoc to suggest, design, produce and install the perfect solution for any production line or plant.

Be it an end-user or an OEM, Oradoc's range of products and

services can meet the needs of a variety of different industrial fields. Needless to say, the core business for Oradoc is still tissue, where doctoring represents a key factor in obtaining greater quality of the final product, improving runnability while optimising energy consumption.

CASE STUDY

At the end of last year, Oradoc

supplied all the doctoring positions of Lucartgroup Spa's Porcari plant PM12, which replaced their PM2, first installed in 1976.

Lucart's production capacity is 395,000 tonnes/year of paper on 12 continuous machines and 65 converting lines. Its consolidated turnover will amount to more than €450 million, with more than 1,500

Doctoring represents a key factor in tissue production.



Figure 2. New Oradoc facilities and workshop.

employees in 10 production plants (five in Italy, one in France, one in Hungary and three in Spain) and a Logistic Centre in Italy, which makes Lucart one of the standout players among tissue products producers.

Oradoc equipped all the positions of Lucart's Porcari plant production line: n.8 OraClean, rigid blade holders for the wet section, an OraSlick in the cutting position, an OraCrepe in the creping position and OraSlim in the cleaning position – each of the three were provided with the blade extractor system and the ELV (Edge Load Variation) system on the

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Figure 3. OraClean doctors are simple and effective and can be used in all machine positions.

creping doctor.

As far as dewatering is concerned, Oradoc was able to supply OraFlex – a double-flexible blade holder that was fully integrated in a saveall tray installed on the suction roll, while the pope reel was equipped with a full OraClean K35.

After having equipped all the Group facilities (Diecimo, Porcari, Castelnuovo, Laval-sur-Vologne) and having completed the last Yankee area rebuilding of PM10 in France, the good relationship between Oradoc and Lucart continues through the new machine: even the new PM12 was equipped with all the doctoring supplied by Oradoc.



Figure 4. Example of installed extractor device.

Right from the machine's start-up in November 2018, the doctoring system has performed well. In particular, OraCrepe (the flexible creping blade holder) ensures

greater efficiency in the creping process, as it perfectly adheres to the roundness of latest generation Yankee both transversally and circumferentially.

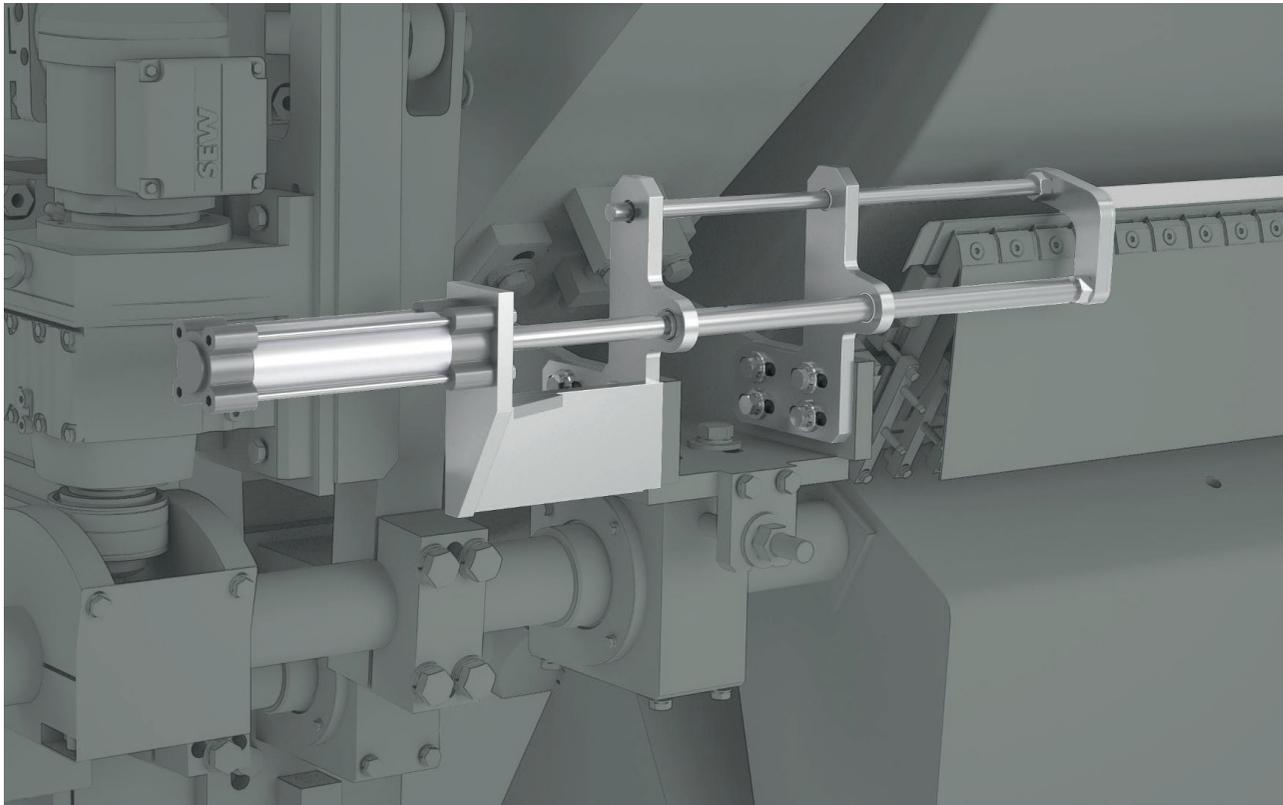


Figure 5. Rendering of extractor system.

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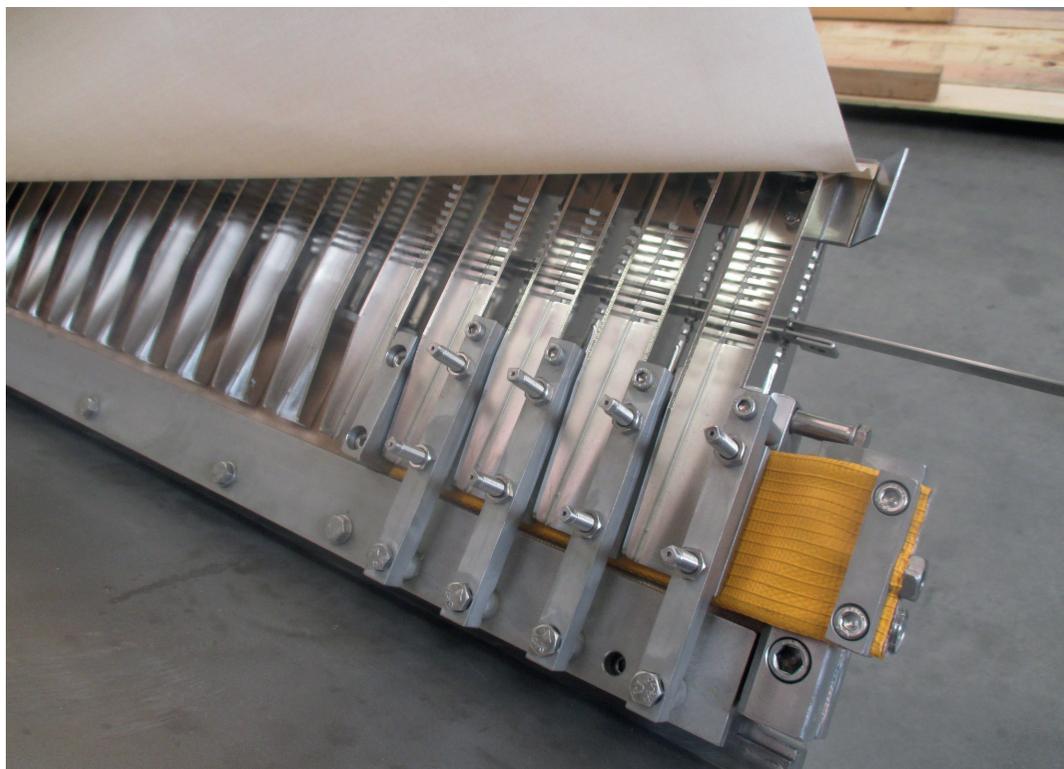


Figure 6. ELV - Edge Load Variation system.

The ELV system (Edge Load Variation) installed on the creping doctor safeguards continuous and independent pressure control at the edges of the cylinder, to perfectly remove the fibre buildups, thus maintaining the right blade load along the entire paper width.

Following the established effectiveness of the blade extraction system (and one that guarantees higher safety for the operator, as well as easier blade removal) that was installed on the PM9 and PM10 creping doctors at the Laval-sur-Vologne plant, the new PM12 was equipped with the same system, not only in the creping position but also in cutting and cleaning.

This confirms the reliability of a

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product that guarantees and increases the ever more compelling safety standards which apply to machines in continuous operation; it also both

facilitates and speeds up blade change operations, thus minimising downtime and increasing line efficiency.

The same is true for the OraSlick 20 in the cutting position: after the successful rebuilding program on PM10, the new OraSlick 20 - a rigid blade holder with an “open” design that allows better cleaning and easier blade change operations – was also installed on PM12. The particular shape of the OraSlick helps reducing inside deposits and this results in a better effectiveness of the scraping system during the paper release phase.

As machines and standards become more and more demanding, Oradoc strives to continuously improve its products and services and offer innovative solutions; the ongoing partnership with Lucart attests that this engagement is both trusted and appreciated!

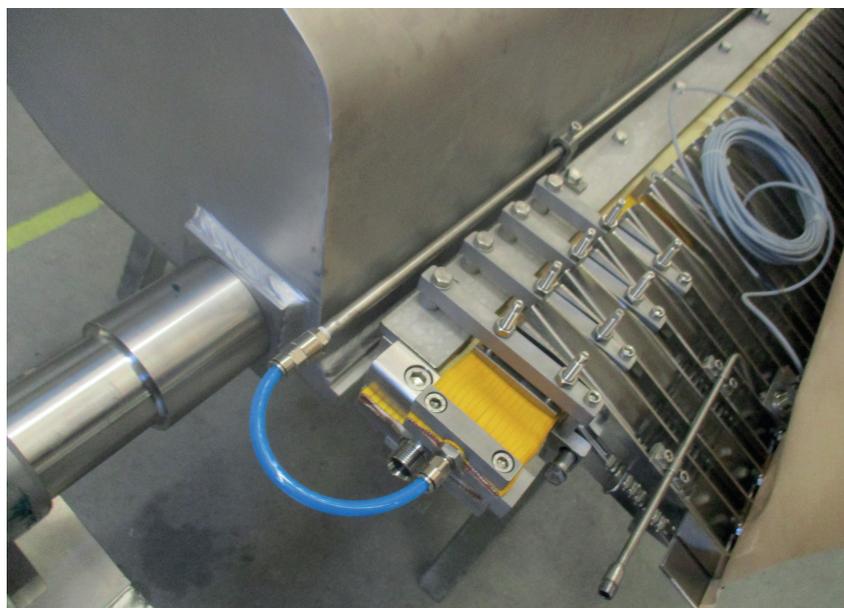


Figure 7. Example of ELV - Edge Load Variation system