

Flexible, safer, performing: Essity Lucca1 entrusts the creping of PM3 to Oradoc

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The design, manufacture, installation (and not forgetting the ongoing service and support) of complex cleaning and creping solutions for the paper and tissue industry has been a speciality of Oradoc srl for more than 30 years. The company's expertise has only managed to grow so successfully due to the very close partnerships it establishes and maintains with each customer.

Beginning with the analysis and the comparison of different requests, ORADOC has developed specific technical solutions tailored for different production and process needs, in order to provide its customers with tangible and measurable results.

Always keeping an eye on the most advanced technologies, ORADOC has developed integrated systems able to meet the ever-changing needs of the complex paper and tissue markets, thus guaranteeing high performance products. ORADOC can boast an in-depth knowledge of the productive process and this is the essential requirement to be able to offer its customer the best choice of materials and the best cleaning and creping solutions.

CASE STUDY

Essity is a leading global hygiene and health company dedicated to improving well-being through their



Figure 1. *Creping doctor installation on Yankee.*

products and solutions – essentials for everyday life.

The name Essity can find its origins as a combination of elements from two words: “essential” and “necessity”. The company is particularly proud of its environmentally sustainable business model – it creates value for people and nature. They enjoy sales representation in approximately 150 countries under the leading global brands TENA and Tork, as well as others such as Jobst, Leukoplast, Libero, Libresse, Lotus, Nosotras, Saba, Tempo, Vinda and Zewa.

Essity employs around 48,000

staff worldwide; net sales in 2017 amounted to approximately SEK 109bn (EUR 11.3bn). Formerly a part of the SCA Group, Essity has its headquarters located in Stockholm, Sweden, and is listed on Nasdaq Stockholm.

Oradoc and Essity already enjoyed a relationship stretching back many years: at the Lucca1 plant, all 4 tissue machines – PM1 and PM2 in single format, PM3 and PM4 in double format – are equipped with Oradoc creping doctoring systems. In regards to PM3, the original blade holder was a rigid one, but the creping position was changed in 1997 to a flexible

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Figure 2. Oradoc technicians checking blade angle.

OraCrepe blade holder with loading tube of 45mm.

After many years of providing excellent service, the decision was recently taken to change not only the blade holder, but the whole creping system; this was to include the doctor back, pneumatic cylinders as well as other accessories.

A similar upgrade had already been carried out in 2014 on PM4, equipping the full installation with the innovative, semiautomatic blade extraction system.

For the PM3 upgrade, Oradoc supplied the full creping system: blade holder with loading tube

of 70mm to improve efficiency, beam, oscillating system, pneumatic cylinders and also the semiautomatic blade extraction device, similar to that

already present on PM4.

The new installation performed well almost immediately, allowing Essity



Figure 3. OraCrepe blade holder installed on Yankee roll.

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CREPING SYSTEM REPLACEMENT

to satisfactorily test both the quality and a new range of products with a maximum machine speed of 1750m/ min. The new, flexible doctoring solution guaranteed a more efficient control of the creping process; in addition, this solution has helped improve the service life of ceramic blades, which themselves proved more durable.

Finally, it should be noted that the safety risks for the operator have been significantly reduced with the new blade extraction device; operators are now able to carry out this task in a far safer environment than before.

Based upon mutual trust combined with clearly measurable benefits, the Oradoc & Essity partnership continues!

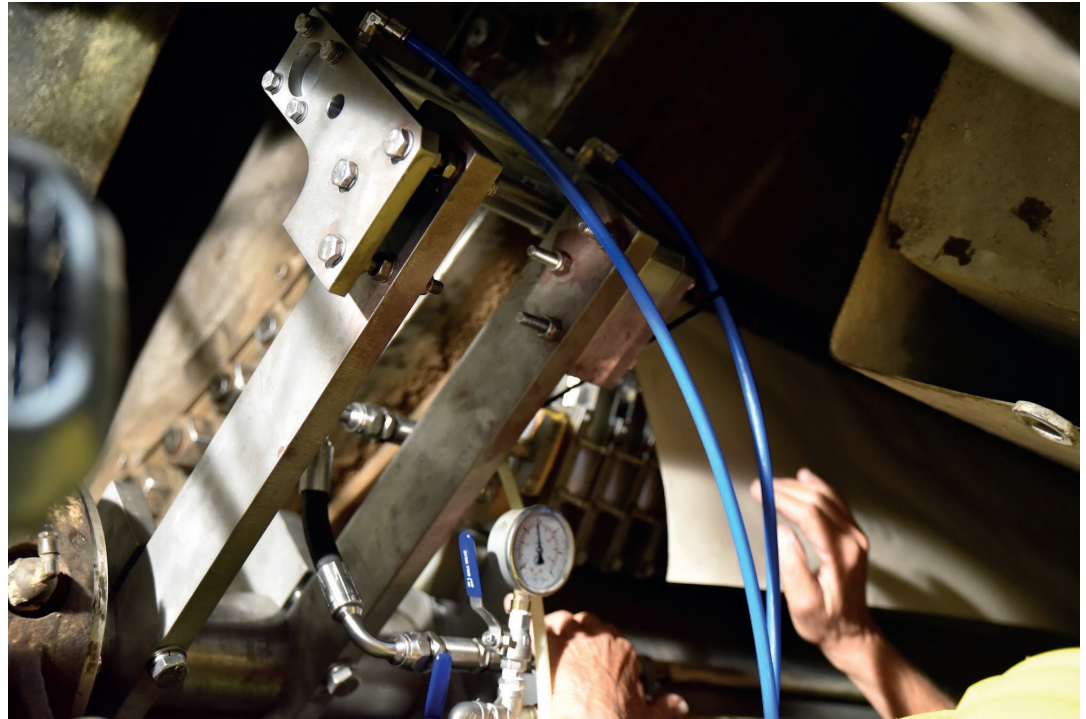


Figure 4. *Detail of blade extraction device.*



Figure 5. *Essity Maintenance Leader setting pressure regulation on Oradoc control panel.*

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