# OraCrepe 30: when creping gets tough, the tough get going!

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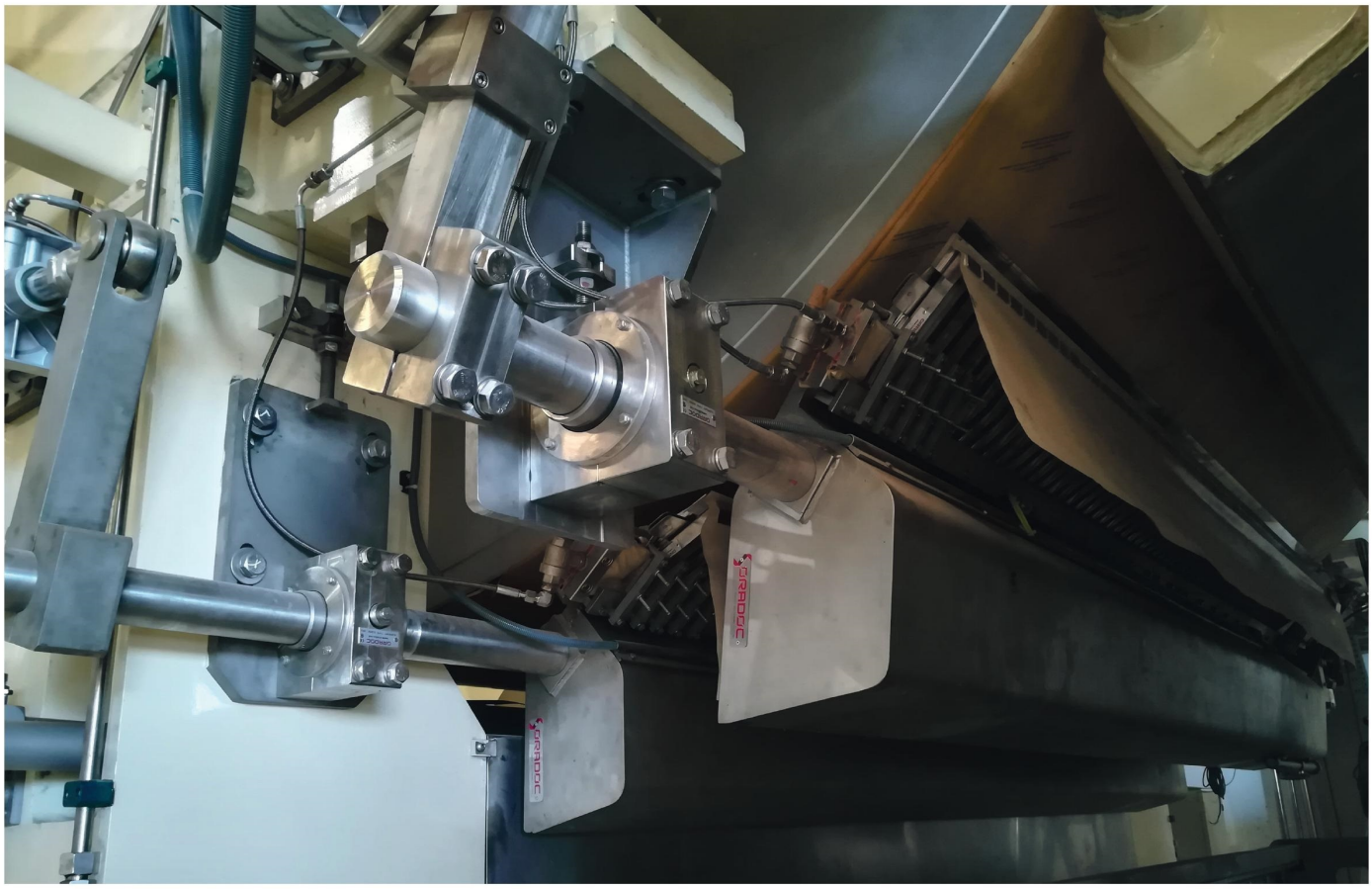

**Figure 1.** *OraCrepe 30 installation overview.*

Creping is not magic: the physical properties of a tissue paper sheet are the result of the mechanical process that determines the lower density of fibres and their greater calliper. There is no secret recipe to obtain the desired "hand feel", and no tricks are deployed in reaching the required density; these are simply the desired characteristics resulting from precise choices made during various stages in production.

Creping is therefore a complex interaction of many factors. Tissue makers have to consider some of the more critical factors, such as the selection and management of fibres, the choice and the monitoring of the most appropriate Yankee coating chemicals, the drying strategy, the crepe pocket geometry, the choice of adequate crepe blade material, and so on.

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The right creping system is pivotal in the production process, and that is why Oradoc has constantly been working to improve creping performances in recent decades, striving to find solutions to issues that may otherwise adversely affect the creping process.

This continuous effort has led us to launch OraCrepe 30 – a controlled-

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**Figure 2.** *OraCrepe 30 set-up*


**Figure 3.** *OraCrepe 30 support details (drive side).*

flexibility pneumatic creping blade holder that adapts its profile to the Yankee cylinder crowning, and one that has now gone a step further towards a more efficiently performing system; it entails a series of important benefits.

The '30' version of the OraCrepe features the usual flexible system, along with an innovative open, yet compact design with a cartridge that reduces dirt accumulation and thus remains cleaner for longer, whilst incorporating an easier blade and stick-out change mechanism. Moreover, the new version can even be installed on a pre-existing, earlier version of an OraCrepe blade holder.

**The new, more resistant pressure hose will assure a longer service lifetime.**

**Figure 4.** *OraCrepe 30 + Edge Load Variation system.*

No modifications are required: in other words, an older OraCrepe 20 pressure plate can quickly and easily be replaced with the new OraCrepe 30.

Having given up the traditional ladder design in favour of a more robust solution, the new OraCrepe 30 is the perfect fit for all types of tissue grades.

In addition, the new, more resistant pressure hose will assure a longer service lifetime.

This latest release boosts the performances of the OraSet System, that allows the creping angle to be adapted with continuity while the machine is running; the latest version comes with the possibility of being set up and controlled remotely, thanks to a new connection module.

The control panel can also be connected to the DCS of the tissue machine; it also offers a blade detection sensor which allows the loading stage to be stopped whenever the blade has not been properly inserted, thus avoiding any accidents or potential damage to both the creping doctor and the Yankee surface.

As the saying goes, “Never change a winning team!” With this in mind, the perfect set up would not be complete without the Edge Load Variation system (ELV) that includes its own, dedicated control panel to ensure continuous and independent pressure

control at the edges of the cylinder (via an independent pressure regulator and depressors). Fibre build-up at the edges are therefore perfectly removed, maintaining the right blade load along the entire paper width.

But performance must always go hand in hand with safety; for that reason, the ELV system has been designed to allow for edge tube depressors to be adjusted whilst the machine is running – with no need for manual fine-tuning with a screw, thus preventing operator injury and guaranteeing extra safety.

**Figure 5.** *OraCrepe 30 in production.*

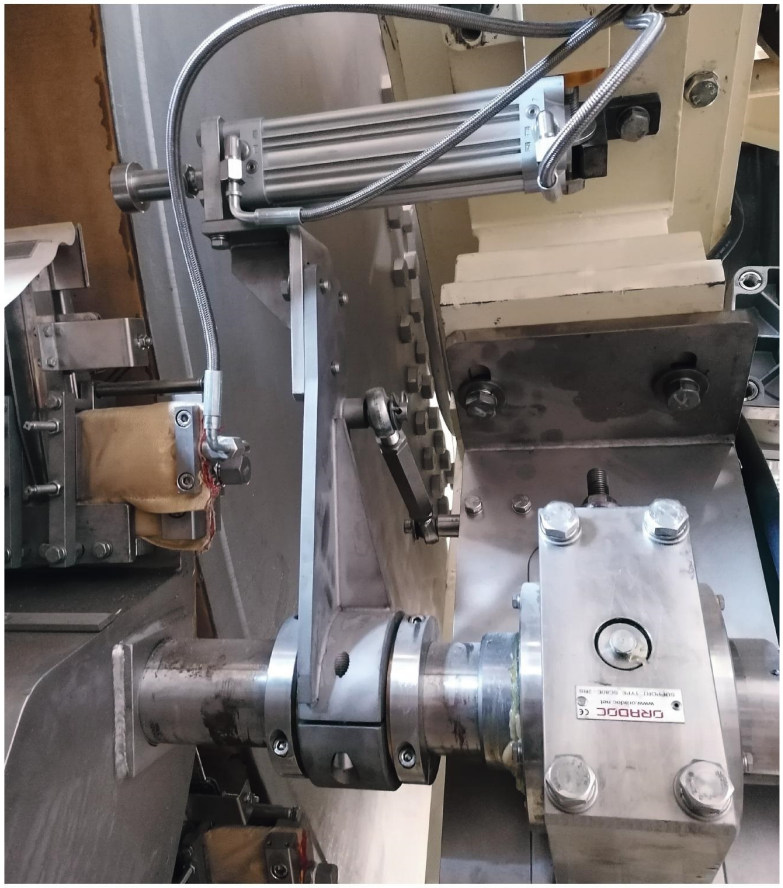

**Figure 6.** *OraCrepe 30 equipped with blade extractor system.*

**Removing the need for stoppages… directly translates into added value for the whole tissue making process.**

Removing the need for stoppages and operator intervention directly translates into added value for the whole tissue making process.

Similarly, the extractor device, often supplied along with the doctoring system, is very helpful in allowing the operator to replace the blade in a safer way, as it pulls the blade out as much as the operator may need in order to safely remove it.

In conclusion, there is no substitute for proven, operational evidence: having been installed at several plants across Europe for quite some time, the new OraCrepe 30 has demonstrated that it can achieve four clear benefits for tissue makers:

- less maintenance
- greater safety
- a reduction in machine stoppages
- a boost to productivity