

## High Pressure Air Knife for sensitive BOPA-film Revolutionary further development for increased pinning speed

Until now, electrostatic pinning with a needle bar was used for the production of BOPA-film. However, this method of pinning involved several issues like complex positioning and safety aspects due to the high voltage. Therefore Brückner enhanced the pinning technology and presents the **High Pressure Air Knife (HPA, patented)**. This new technology allows easy handling, no safety concerns due to the use of high pressure, improved pinning quality and increased pinning speed – and consequently a **speed-up of the production line for BOPA-film**.



In addition to the before-mentioned valuable characteristics of the HPA, this new pinning system is more stable than electrostatic pinning and there is less contamination of the die lips and pinning device. As a result, fewer maintenance, repair and cleaning intervals are necessary – **machine uptime rises and production efficiency improves**.

After the successful installation of the HPA on BOPA-lines, it is now safe to say that the HPA will replace the electrostatic pinning with needle bar in BOPA-film production in the near future. Besides BOPA, the HPA has also been running successfully on a **BOPP**-line since the end of last year. Of course, Brückner is already well on their way to making the HPA also work on **further film types**.



### Advantages HPA:

- Enhanced pinning – increased chill roll speed
- Compact design – excellent adjustment and observation
- Excellent air distribution
- Internal slot decking
- Integrated edge pinning
- Purified air supply by compressor station without pressure fluctuations
- Small air volume – better working conditions in pinning area



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