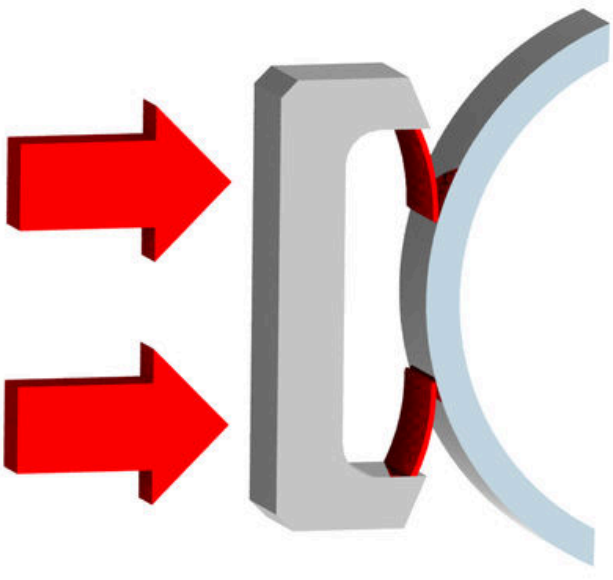
3 TROUBLESHOOTING TIPS

How to optimize service life and function of end seals and doctor blades in flexo printing



TIP #1: CHECK THE PRESSURE OF THE CHAMBER AGAINST THE SCREEN ROLLER

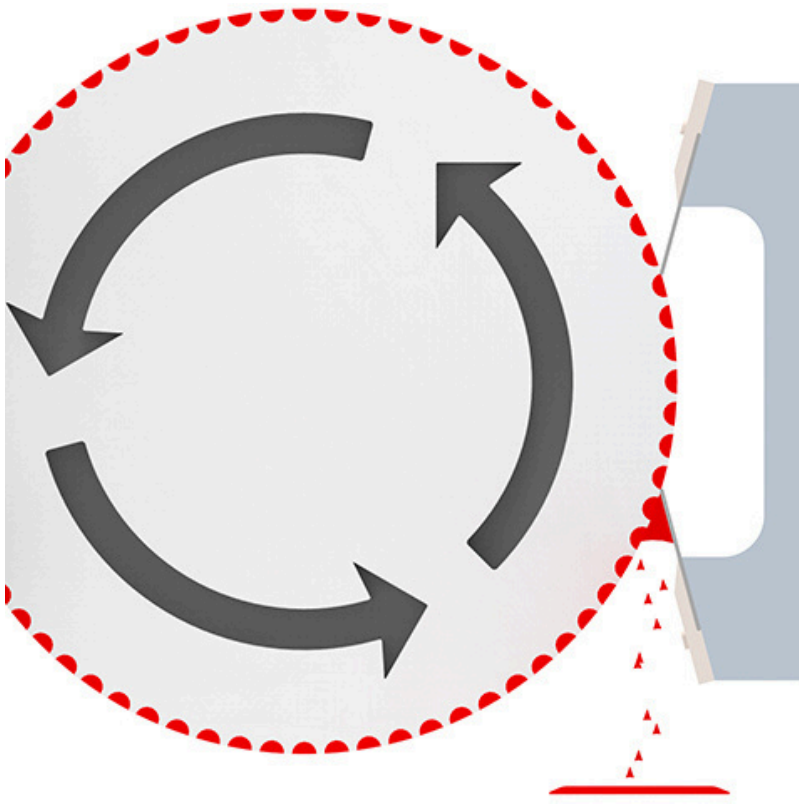
A common cause for excessive wear of seals and blades is too high pressure of the chamber system against the screen roller.
How you can solve this:

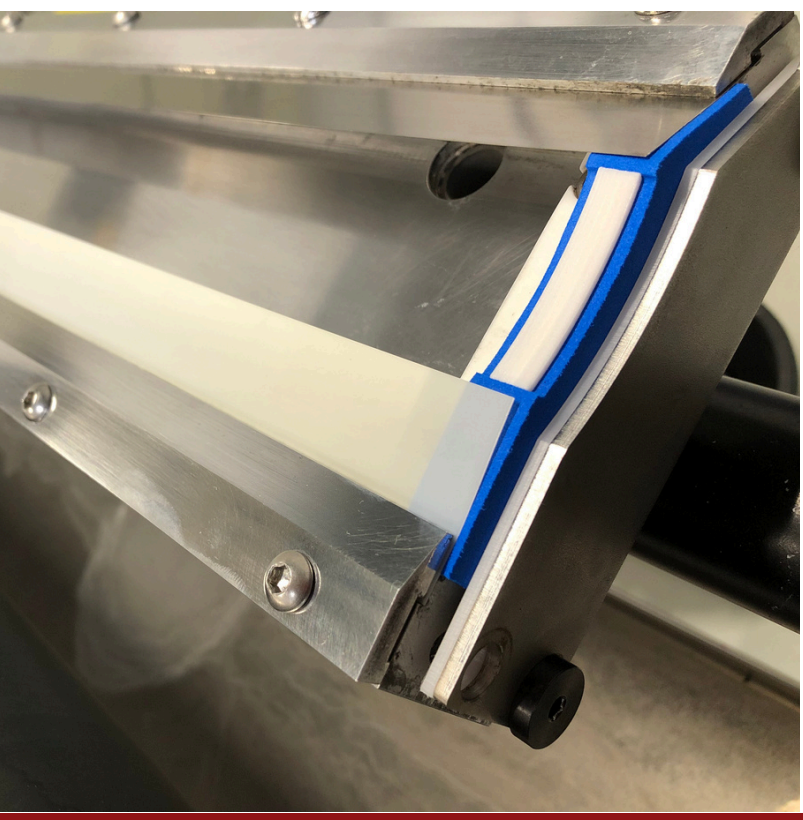
- Make sure that the chamber in contact with the anilox roller evenly over the entire length. The easiest way is to use a 0.10 mm measuring gauge.
- Consult your press manufacturer's recommendation regarding working pressure.

TIP #2: CHECK YOUR CONTAINMENT BLADE TO AVOID BACK DOCTORING

Leaks at the containment blade happen when ink from non-emptied anilox cells builds up outside the blade and drips or splashes into the press.
How to tackle back doctoring:

- For steel containment blades, reduce the blade thickness. The blade gets more flexible and lets ink pass back into the chamber
- Make sure the doctor blade does not protrude the seal.
- Consider using a plastic doctor blade. Plastic blades are more elastic and adapt better to the roller, giving reliable sealing results.





TIP #3: MAKE SURE YOUR END SEALS AND DOCTOR BLADES ARE WELL SUITED

Material type, size accuracy and a proper fit in the chamber directly influence the function and durability of end seals and doctor blades.
How to optimize the setup:

- Make sure doctor blades are always absolutely straight in the holder.
- Make sure end seals neatly fit the chamber outlines without pushing the doctor blades.
- Consult a specialist in end seal and doctor blade technology to make sure you get the best out of your printing deck.

Contact us to find your perfect match of end seals and doctor blades

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