FIN SEAL RELIEF & FRACTURE ELIMINATION DESIGN (FRED)

Even when horizontal flow wrapper crimpers are equipped with the correct serration design, some packages can still be difficult to seal, and even properly adjusted crimpers can still cause fracturing of the film structure. Both the Fin Seal Relief and the FRED (Fracture Elimination Design) can help to effectively eliminate the problem by addressing the areas where fracturing is most likely to occur.

FIN SEAL RELIEF

Compensates for the extra layers of film created by the fin seal. The film layers are doubled in this area, greatly increasing the probability of fracturing and potentially causing a situation where the crimpers cannot apply pressure evenly across the seal. To prevent this we integrate a relief into the crimper serrations that is positioned to the fin seal location and precisely sized to match the specific film and package size. This relief allows for some variance in film tracking, but still provides full contact and consistent pressure distribution over the rest of the end seal.

FRACTURE ELIMINATION DESIGN (FRED)

Alleviates pressure on the leading edge of the seal, where the upper and lower sealing jaws first make contact. Force is absorbed by the area of the sealing face outside of the package width, greatly reducing the possibility of fracturing or splitting the film.

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