

_Containment-Foil System

for closed filling and emptying of flexible packaging



Big-Bag filling



Big-Bag emptying

The unique Containment-Foil System* has been developed for absolutely dust-free and closed emptying and filling of highly-toxic products in flexible packaging, especially Big-Bag's with In-Liner. The multi-layer Novi-Containment Liner used for this application can be peeled on the inside of the foil, and can be welded on the outside of the foil. The Containment-Foil System is easy and safe to operate, has a reliable handling and can be integrated without problems in existing systems and processes.

* patented

Your benefits

- _Dust-free and closed product transfer when filling or emptying of flexible industrial bulk containers
- _High containment level up to OEB 5 (OEL $1\mu\text{g}/\text{m}^3$)
- _Highest staff and product protection
- _Easy to operate, reliable handling and safe in use
- _Up to 150 units per Novi-Containment Liner
- _Containment-Foil System, thermal cutting/welding unit and Big-Bag station from one supplier



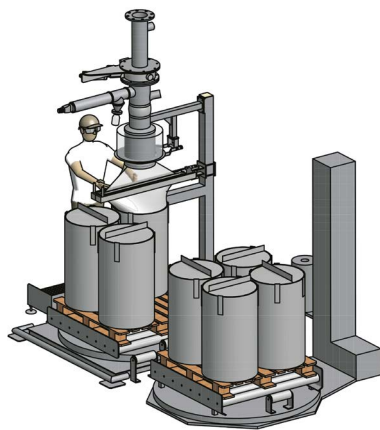
_Technical data

Ø Liner carrier [mm]	Ø Liner [mm]	Foil length [m]	Fold height [mm]	Foil thickness [µm]	Material
200	320	≈ 25	250	120	> Polyethylene LDPE > Antistatic version > Approved as per 21 CFR Part 177 «Olefin polymer»
250					
300	450	≈ 25			
350					

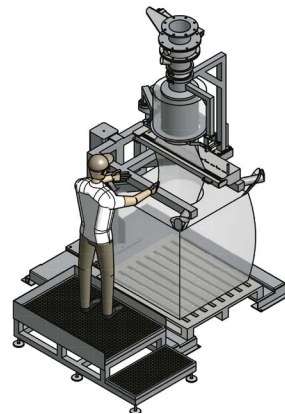
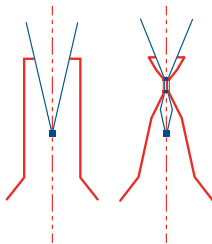
Opening pressure of the peel seam: ~30mbar

Other dimensions, fold heights and foil lengths upon request

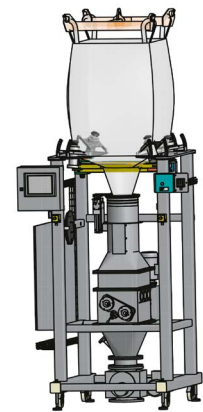
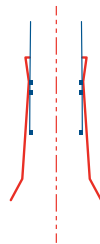
Optional: Foil package production in cleanroom as per class ISO 5, package γ-sterilized



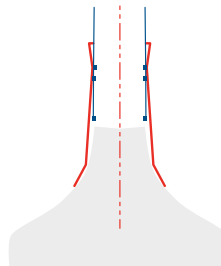
Insert and welding



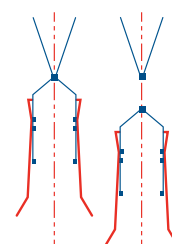
Peeling



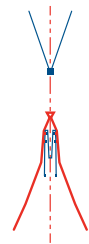
Filling



Welding and cutting



Closing



Insert the Containment-Foil into the Big-Bag In-Liner and weld



Open the welded seam with N₂ pressure from inside or manually from outside (peel)

Dust-free filling
of Big-Bag



Weld the Containment-Foil and cut it with a separating welding seam



Weld the liner end section completely into the Big-Bag In-Liner