



Example: Form-Fill-Seal machine KIF 53 Highliner

Medical Industry

FILLING EXCELLENCE



SFT

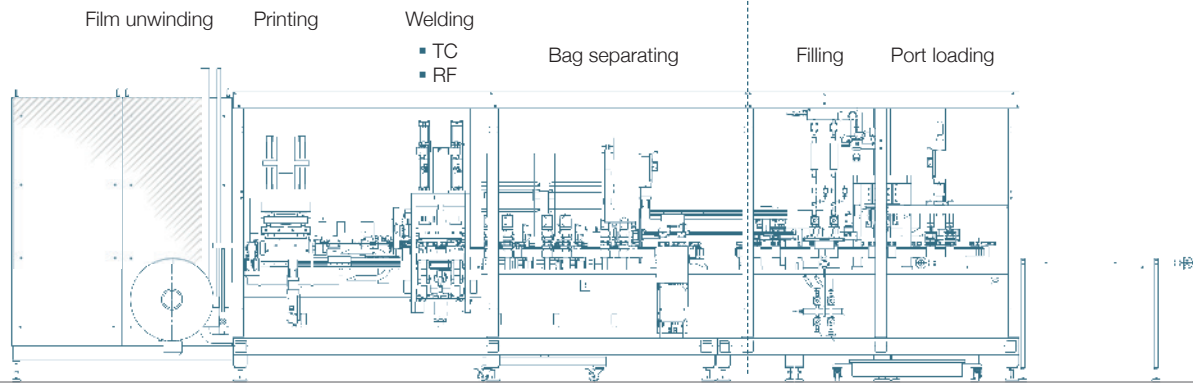
Smart Fill
Technology

Kiefel's expertise in filling: The filling excellence is offered in compact small modules, like tabletop filling modules, semi-/ automatic filling & sealing lines, or complete Form-Fill-Seal machines. Solutions to be filled vary from **IV solutions (e.g. nutrition), dialysis, anticoagulant and others.**

A wide range of options allows a customization of filling machines for any bag design. Tubes or hard ports, single- or multi-chamber bags, peel seal, coding & printing, nitrogen flushing, vacuuming, defined headspace, laminar flow are some features available upon request.

Bag Making

Filling & sealing



Example: Form-Fill-Seal machine

**FILLING
EXCELLENCE**

Main benefits

- Offering standard **Filling & Sealing** modules or machines combined with Bag Making, or stand alone customized filling solutions
- High quality **mass-flow meter** and optimized flow path ensure highest **filling precision**
- Best filling quality due to **excellence in speed** and small tolerances
- Drop-free system**
- Meets **FDA** and **cGMP** standards
- Hygienic design**, automatic **CIP/SIP** available
- Optional: **Track & Trace solutions**



Filling station

Technical data

Welding technology

**Form-Fill-Seal
KIF 23 Highliner** (example) *

thermo-contact

**Form-Fill-Seal
KIF 53 Highliner** (example)

thermo-contact

Maximum pressing force

50 kN (150 kN)

80 kN (150 kN)

Maximum press stroke

38 mm

38 mm

Welding area

280 x 320 mm

560 x 320 mm

Dimensions (L x W x H) approx.

7.330 x 4.730 x 2.100 mm

11.000 x 4.700 x 2.100 mm

Machine weight approx.

7.000 kg

10.000 kg

Power rating

34 kVA

42 kVA

Compressed air consumption

200 NI/min

200 NI/min

Cooling water consumption

none

none

Power consumption

5 kWh

8 kWh

Operation

2-up

4-up

Output 500 / 1.000

2.400 / 2.160 bags/hour

4.800 / 4.320 bags/hour

* available as well as semi / automatic filling & sealing lines