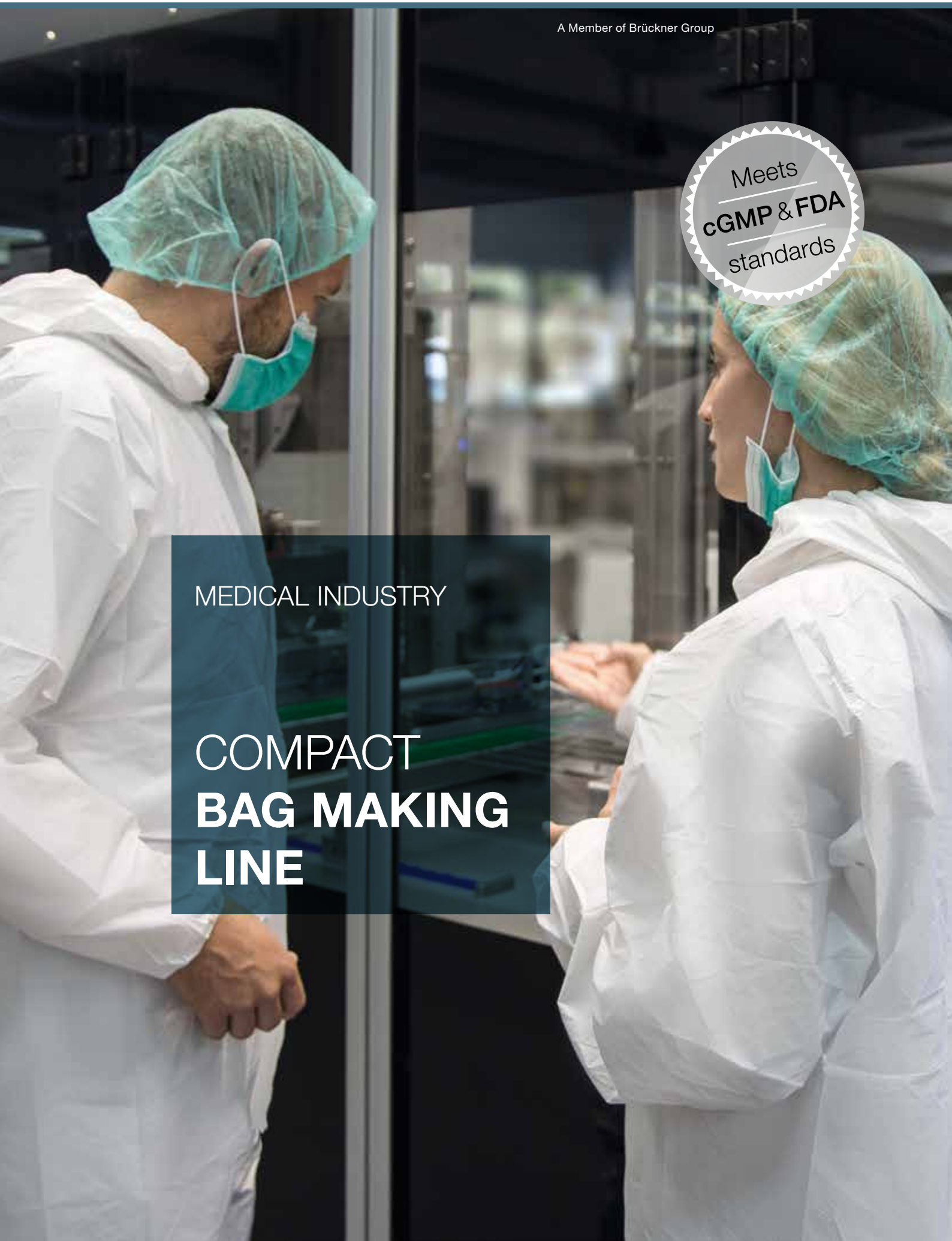
KIEFEL
TECHNOLOGIES

A Member of Brückner Group




MEDICAL INDUSTRY

# COMPACT **BAG MAKING LINE**

# Bag making by KIEFEL

**Compact design for innovative technologies**
The brand new bag making line allows you to produce high quality medical speciality bags according to your needs. The compact design demonstrates the mix of innovative technologies with highest quality standards, thus reducing valuable space in clean room. Available with TC & RF welding technology.



## Special technologies in RF machines

### Driving the market further: Crossfield Welding Technology

### High efficiency
- Shorter cycling time
- Increase of output of around +30%
- Reduction of 2nd welding station – less integration efforts

### Small footprint
- Less space needed in clean room

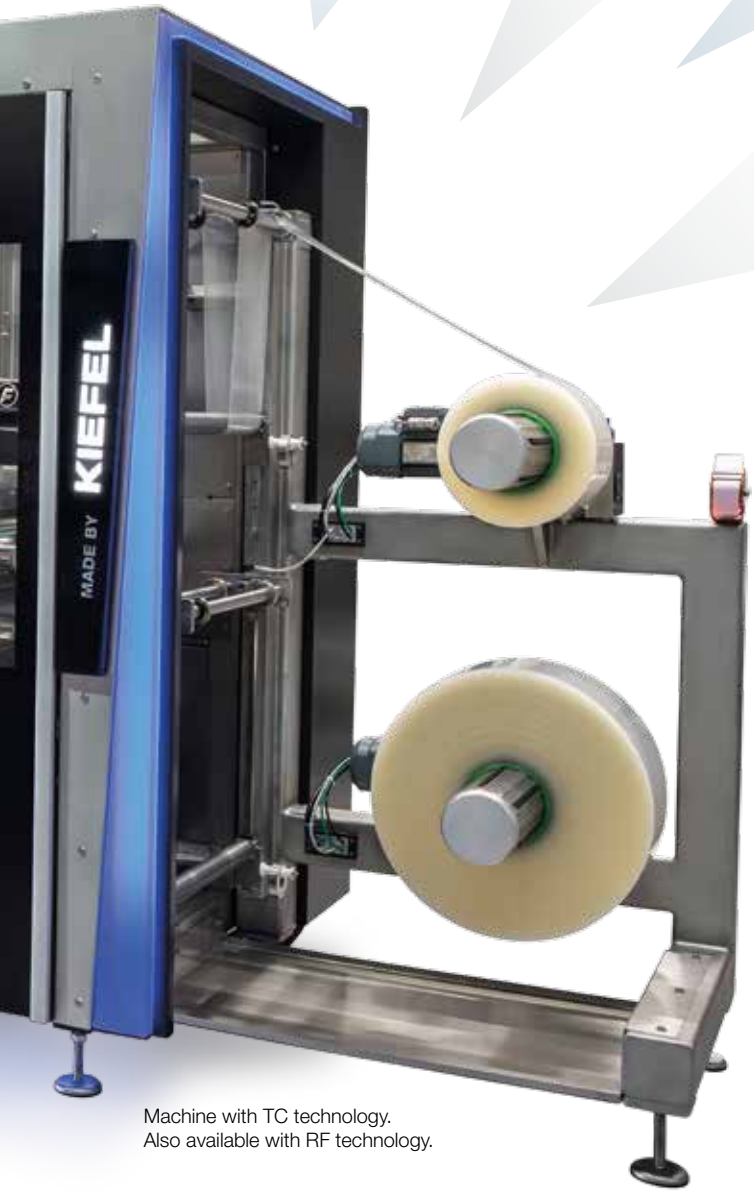
**Innovative Crossfield Welding Technology**
The crossfield welding technique speeds up the current RF welding process – enabling you to increase output capacity and save valuable space. Kiefel sets new standards through the possibility to weld without a mandrel and combine two welding steps into one.

Innovative welding technology

Particle limiting technology

Optimised film guidance system

Smart welding force control




Machine with TC technology.
Also available with RF technology.

## Main benefits at a glance

### Full flexibility
- Small footprint: space-saving object with low space requirements
- Full power inclusive: even small in size – big output possible

### Compact & clean design
- Meets fully the current GMP and FDA requirements, no open cables and tubes
- Integrated switchboard and HMI in whole machine design

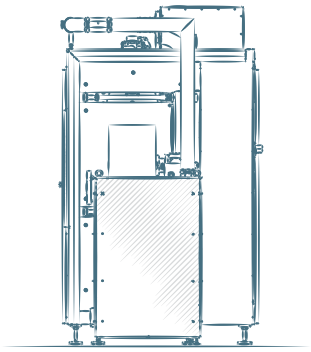
### High comfort
- Easy maintenance due to easy access
- Plug & play: ready to use machine. Just plug in the power & start the production

## Printing station
- Unique Device Identification (UDI) and pharma serialisation are driving the discussions around Track & Trace possiblities. Product safety is ensured in Kiefel machines through optimised printing techniques, eg. flexible printing.

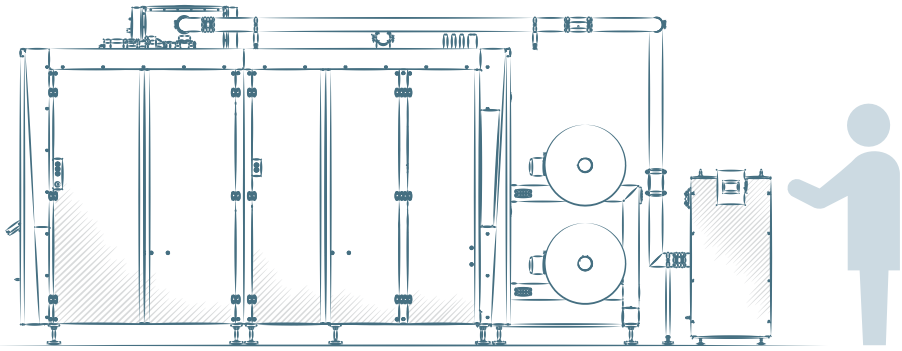
## Special technologies in TC machines
- With the process of tube preheating and film preforming Kiefel brings the welding quality to perfection.

# The KIEFEL compact Swift line

Side



Front



Generator for RF machine

**Innovation made by Kiefel**
The brand-new crossfield welding technology has been developed for your comfort. It can be used for various products and components.

Developed by **Innovation & Technology Center KIEFEL GmbH.**

## Technical data

| | RF | TC |
|---|---|---|
| Dimension (L x W x H) | 4.700 x 1.400 x 2.500 mm (without generator) | 4.700 x 1.400 x 2.200 mm |
| Machine weight approx. | 4.600 kg (without generator) | 4.600 kg |
| Compressed air | 6 bar | 6 bar |
| Air consumption approx. | 600 Nl/min (5 bar) | 600 Nl/min (5 bar) |
| Power supply | 400 V / 50 Hz (TNS) / 55 kVA | 400 V / 50 Hz (TNS) / 24 kVA |
| Power consumption | 5.8 kWh | 5 kWh |
| Cycling time | 12 c/min | 15 c/min |
| Maximum effective area | 300 x 350 mm | 300 x 500 mm |
| Output | 720 bags (1-up) | 900 bags (1-up) |
| Operation | 1-up (higher operating possible, limited with 180 mm tube/port distance) | 1-up (higher operating possible, limited with 300 mm tube/port distance) |

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