



Member of the Wifag-Polytype group

Mechatronica SC is a Bulgarian-Swiss machine manufacturer based in Bulgaria, specializing in the design and build of unique, high performance, automatic packaging lines for paste and liquid products used in personal care, cosmetics, beverage, and the pharmaceutical industry.

Mr. Miroslav Hinkov
Managing Director

Tel. +359 66 817 500
Email: hinkov@stsbg.com

Mrs. Mariana Markova
Sales Director

Tel. +359 66 817 512
Email: markova@stsbg.com



Polytype AG

26, route de la Glâne
PO Box 1184, 1701 Fribourg, Switzerland

Tel. +41 26 426 11 11
Fax +41 26 426 13 31

Email: info@polytype.com
www.wifag-polytype.com



HEAD OFFICE

7, Rayko Daskalov str.
5300 Gabrovo, Bulgaria

Fax: +359 66 817 501
Email: office@kombis.net

www.kombis.net





KOMBIS FFS®

KOMBIS FFS 80

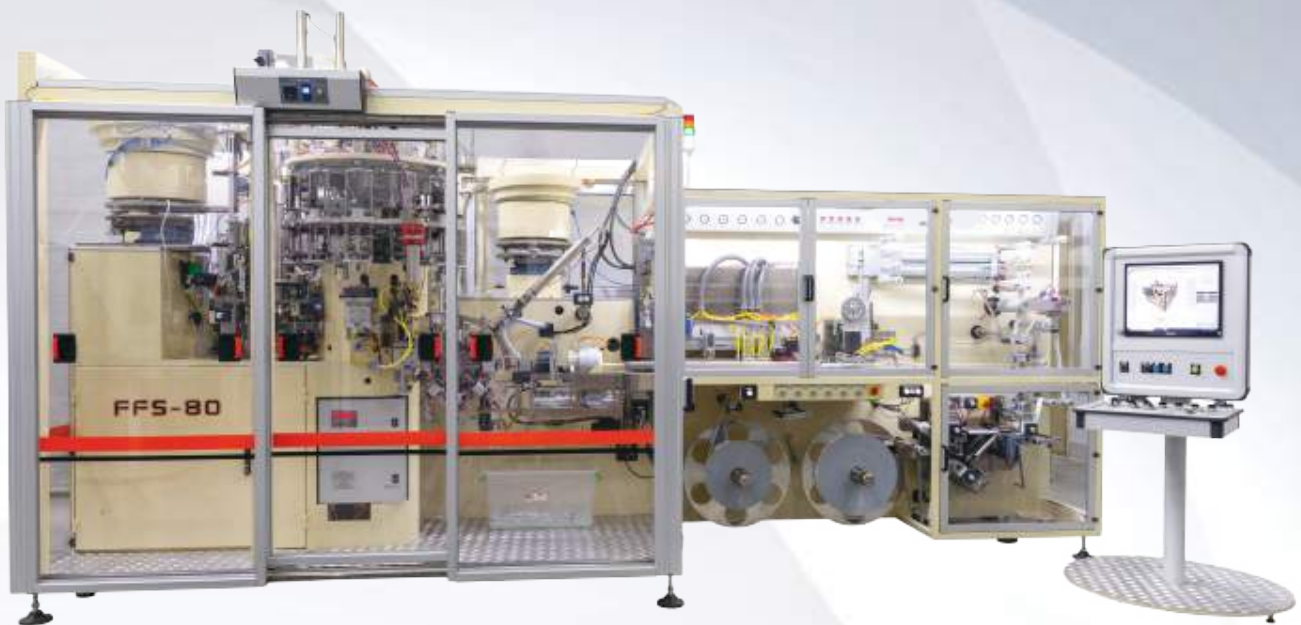
LAMINATED TUBE MAKING
AND FILLING MACHINE

Compact and Intelligent.
The new generation.



Find us at:
kombis.net





TECHNICAL PARAMETERS FFS80

TUBE SIZE

TUBE DIAMETER D16 – D50

TUBE LENGTH L80 – L200

MACHINE SPEED 80 TUBES PER MINUTE*
*depends on the filling product and volume

MATERIAL

ABL 220 µm – 330 µm

PBL 220 µm – 380 µm

FILLING CAPACITY 190 mL

FILLING TOLERANCE +/- 0.1 g

POWER SUPPLY 3P + N + PE
400 V +/- 10%
50/60 Hz
Full load amperage 60 A

COMPRESSED AIR

FLOW RATE 2000 l/min (PBL)

PRESSURE 7 bar

MECHANICAL ADMIXTURES ≤ 5 µm

COOLING WATER

FLOW RATE 20 l/min

TEMPERATURE 15 °C

PRESSURE 3.5 bar



Features

- Modular principle
- ABL and PBL compatible



Advantages

- Quick change-over
- Low maintenance



Benefits

- High added value product
- Small footprint

We offer multiple optional modules and add-ons. Learn more about them at

kombis.net

Our fully automated FFS machines form the packaging body, fill it with product, and seal it.



1. FORMING

- Side Seaming
- Body Sealing
- Sleeve Cutting

2. ADD THE SHOULDER

- Shoulder and Sleeve Loading
- Shoulder Welding
- Membrane Sealing (optional)

3. CAPPING

- Screw-on/Push-on Capping Station

4. TRANSPORT

- Wireless independent transport unit
- No mechanical manipulation

5. FILLING

- Filling head with servo pushing
- Easy assembling

6. SEALING

- Hot air tube sealing

7. EJECTION

- The completed product is ejected