

the  
**FUTURE**  
of  
**BLOW  
FILL  
SEAL**





# CLOSED PARISON TECHNOLOGY

SYFPAC® DUO is a revolutionary Blow Fill Seal machine for packaging of pharmaceutical solutions, where **aseptic filling conditions** (Grade A - ISO 5) are continuously preserved inside the machine.

SYFPAC® DUO allows **continuous Particle Monitoring** for the first time in a Closed Parison machine, meeting and exceeding EU GMP Annex 1 requirements.

# PRODUCTIVITY

SYFPAC® DUO is available in  
4 different configurations\*

**micro**

**4.000**

Containers  
per Hour

**Mini**

**10.000**

Containers  
per Hour

**MAX**

**20.000**

Containers  
per Hour

***Hyper***

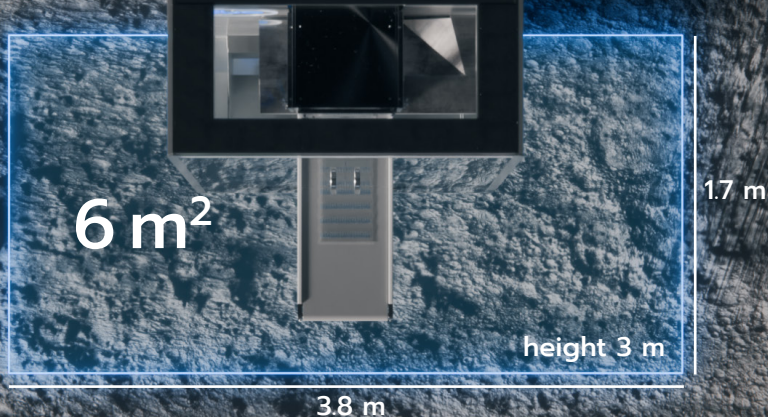
**40.000**

Containers  
per Hour

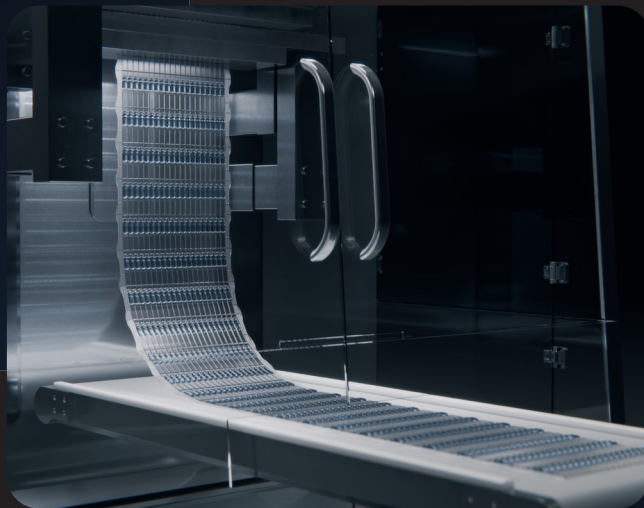
SYFPAC® DUO is **upgradable up to 10x**  
at any point in time, using the same machine,  
with no increase in dimensions.

\*Data calculated on a reference 0.5ml container

# CLEANROOM CLASS C/D



Measuring only 1.5 x 4.5 x 2.6m, SYFPAC® DUO is the tiniest Blow Fill Seal machine on the market and has the **highest productivity/m<sup>2</sup>** ratio in the industry.



SYFPAC® DUO processes PP, LDPE or HDPE in the same machine without any hardware changes, only a recipe change in the HMI.

# CLOSE TO ZERO WASTE

SYFPAC<sup>®</sup> DUO has the lowest plastic consumption in the industry, as the amount of scrap is now down to 6%. This means huge savings in plastic consumption, higher efficiency and sustainability.



**6%**  
OF TOTAL  
WASTE

**96%**  
PLASTIC WASTE  
REDUCTION

# FLEXIBILITY



SYFPAC<sup>®</sup> DUO is extremely flexible and efficient, as it allows production of several volumes from 0.2ml to 50ml.

Mould changeover time is less than 10 minutes.

# HYGIENIC DESIGN

SYFPAC® DUO is **fully automatic** and can be started remotely, with no need for operator presence in the clean room. One simple push of a button will start up the machine.

The machine is **fully electric** for a more efficient utilities consumption.



Thermosensitive products like biologicals can be safely manufactured by keeping product temperature below 25°C, allowing packaging of vaccines on Blow Fill Seal. It is also suitable for safe production of potent solutions up to OEB4, BSL4 products.

# APPLICATIONS



SYFPAC<sup>®</sup> DUO is the safest choice for packaging of **Small Volume Parenterals** and **Prefilled Syringes** from 0.2ml to 50ml.

**Ideal for:**

single use ophthalmics,  
multidose eye drops,  
biologicals, inhalations,  
injectables, vaccines,  
WFI, cosmetics,  
enemas and more

# INSERTION TECHNOLOGY

For the first time it is possible to add inserts to a closed parison system, thus opening amazing opportunities to **produce medical devices** on a Blow Fill Seal system.



Prefilled syringes or special vials and ampoules can be aseptically produced with the highest speed (up to 20k u/h) and the most cost-effective packaging process.

# VISIT US

[www.syfpac.com](http://www.syfpac.com)  
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SYFPAC®  
is a Brevetti Angela brand

# **SYFPAC**

Blow Fill Seal  


**BREVETTI  
ANGELA**  
Advanced manufacturing technologies

