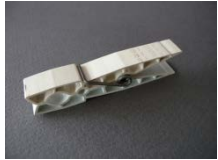


BREVETTI
ANGELA[®]
Advanced manufacturing technologies





1960s



1980s



2000s

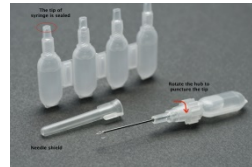


2020s

1970s

**BREVETTI
ANGELA**

1990s



2010s



40 years of BLOW FILL SEAL expertise

Brevetti Angela started the machine manufacturing business in plastic moulding in the late 60s.

One of the first patents registered was for a clip for clothes.

In fact, the name **Brevetti Angela** stands for «Patents» and «Angela» is the name of the founder's wife.



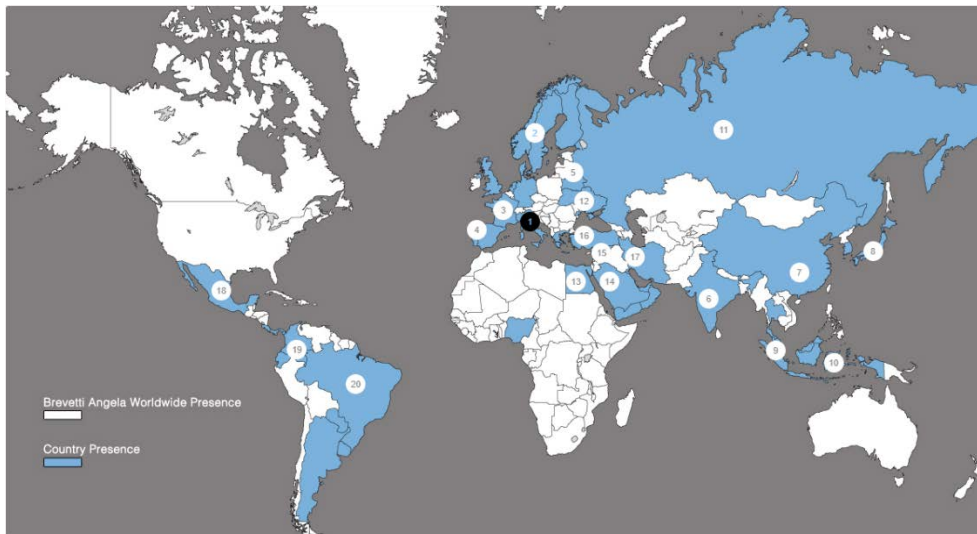
1989: our first BFS machine

- ✓ 1st **Blow/Fill/Seal** machine with possibility to process Polypropylene (PP) & Polyethylene (PE).
- ✓ 1st **Blow/Fill/Seal** machine to have hydraulically driven extruder.

Through the decades, **Brevetti Angela** was able to patent **SYFPAC®** (SYstem for Filling Parenterals Aseptically into Containers), while following a path of continuous search for innovation that today makes it stand for **Made in Italy excellence** around the world.

Throughout the years, **Brevetti Angela** has gradually consolidated its international presence with some major milestones:

- In **1999**, BA supplied the world's first BFS machine that produced syringes to Ukraine.
- In **2000**, BA entered in Chinese Market.
- In **2004**, BA entered in Russian Market, with the 2nd generation syringe machine. Today, BA enjoys unprecedented share of Russian Market.
- In **2010**, BA entered the Middle East and Central Asia Market, followed by an immediate local rapid growth.
- In **2016**, BA made the first BFS machine for production of vaccines on Blow Fill Seal



Today, **Brevetti Angela** SYFPAC® machines are working in Europe, Africa, Middle East, India, Asia, Central America, South America.

Brevetti Angela SYFPAC® machines grant production of a wide range of products:

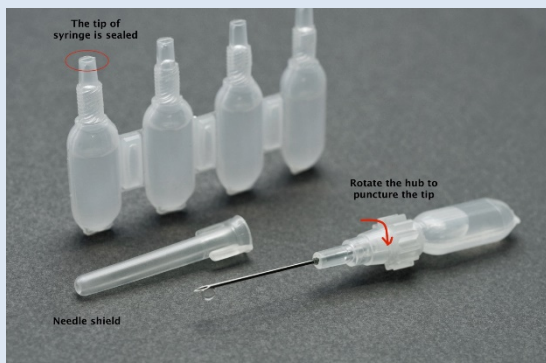
Small Volume: ampoules and vials from 0,2 to 20ml

Large Volume: bottles from 50ml to 13l

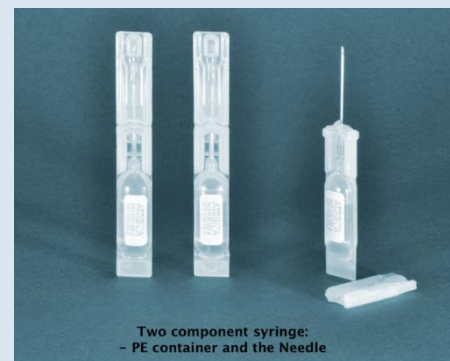
Pre-Filled Syringes: from 0,2 to 20ml



Pre-filled syringes on BFS



1998: BA manufactures the 1st generation of pre-filled syringes.
Cost of production: less than 2 cents



2002: BA manufactures the 2nd generation of pre-filled syringes.
Cost of production: less than 2 cents



2012: BA refines its SYFPAC®-SECUREJECT® system to produce the 3rd generation of pre-filled syringes.
Cost of production – between 8 to 12 cents

3rd generation of pre-filled syringes are protected by several patents owned by Brevetti Angela, currently patented and actively maintained in several countries.

REGISTERED TRADEMARKS:

- ✓ BREVETTI ANGELA™
- ✓ SYFPAC®
- ✓ SECUREJECT®

ISO 9001:2008 CERTIFICATION

We hold TUV certificate since the year 2008 and we sustain yearly inspections to keep the valid certification.

OTHER COMPLIANCES

- ✓ CE Directives
- ✓ IEC
- ✓ EU Guidelines to GMP
- ✓ FDA guidelines CFR
- ✓ EHEDG Guidelines

Brevetti Angela provides a wide range of solutions for the aseptic packaging:

- ✓ **SYFPAC® SVP** for **Small Volume Parenterals**
From 0.2 to 20 ml
- ✓ **SYFPAC® LVP** for **Large Volume Parenterals**
From 50ml to 13l
- ✓ **SYFPAC® SECUREJECT®** for **Pre-Filled Syringes**
From 0.5ml to 20ml

High-Speed models

- ✓ **SYFPAC® TWIN DM**
Small volumes, up to 54000 ampoules per hour
- ✓ **SYFPAC® LVP DM**
Large volumes, up to 5000 bottles per hour

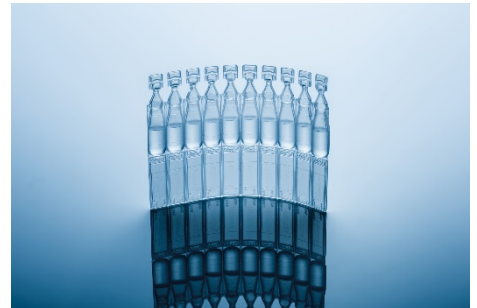
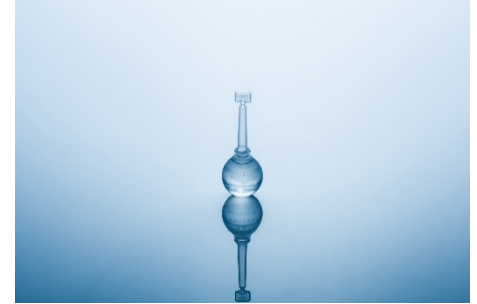
Other Applications

- ✓ **MECAS** for the cap assembling and cap sealing
- ✓ **CYNOPAC** for non-pharma applications (like cyanoacrylate adhesive)
- ✓ **LIQUIDPAC** for the food and beverage industry

Our present: SYFPAC® SVP



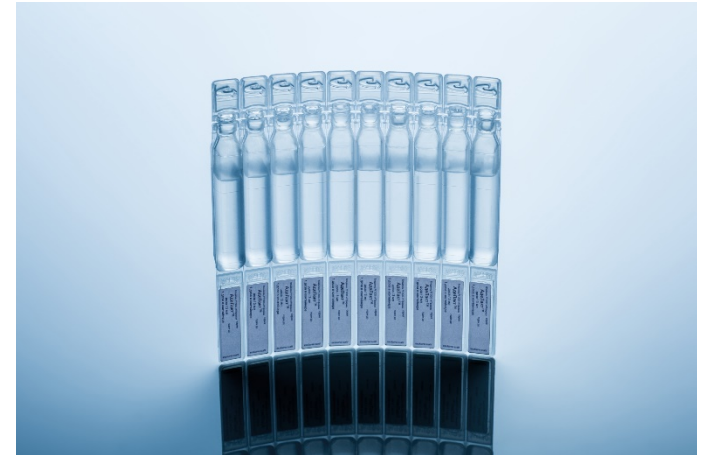
Watch the video [here](#)



Our present: SYFPAC® SVP TWIN



SYFPAC® SVP TWIN
Same footprint
Same cleanroom requirements
+60% productivity



Watch the video [here](#)

Our present: SYFPAC® LVP



Watch the video [here](#)

Fully automated SYFPAC®-SECUREJECT® with C-Rabs isolator.



Watch the video [here](#)

Thank you!

Please feel free to contact us for any further information.

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