

# techno Pet

Fully Electric Machines for PET Bottles Production

## optimize series



## optima 8

Blowing pressure: **up to 40 bar**

Bottle size: **0.25 - 1.5L**

Output\*: **up to 12000 bph (0.5L)**

**up to 11000 bph (1.0L)**

**up to 10000 bph (1.5L)**

Power installed: **90 kW**

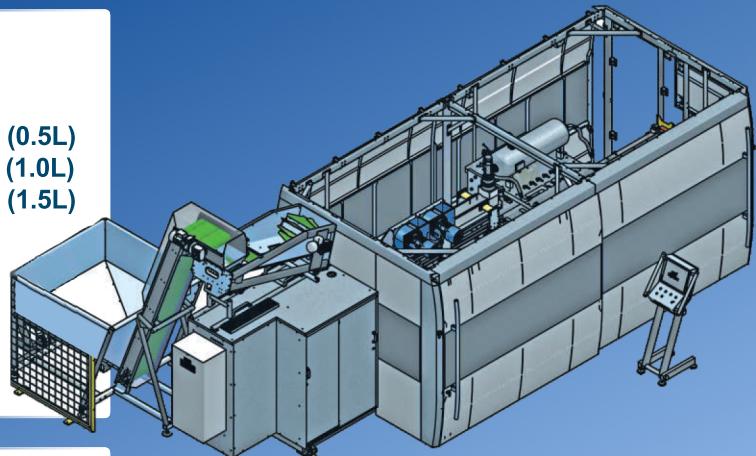
Effective power (1.0L bottle): **34kW**

Working air quantity (10bar)\*\*: **0.0 m<sup>3</sup>/min**

Working air quantity (40bar)\*\*: **5.0 m<sup>3</sup>/min**

Number of cavities: **8**

Strring voltage: **24V / DC**



## optima 12

Blowing pressure: **up to 40 bar**

Bottle size: **0.25 - 2.25L**

Output\*: **up to 18000 bph (0.5L)**

**up to 8250 bph (1.0L)**

**up to 7500 bph (1.5L)**

Power installed: **110 kW**

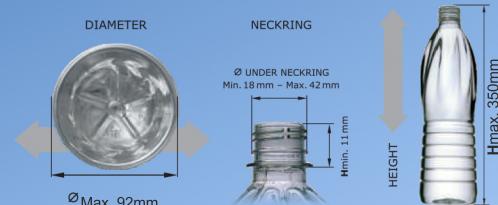
Effective power (1.0L bottle): **40 kW**

Working air quantity (10bar)\*\*: **0.0 m<sup>3</sup>/min**

Working air quantity (40bar)\*\*: **6.0 m<sup>3</sup>/min**

Number of cavities\*\*\*: **12 - 6**

Strring voltage: **24V / DC**



**up to %50**  
**air recovery &**  
**energy saving**

## optima 16

Blowing pressure: **up to 40 bar**

Bottle size: **0.25 - 1.5L**

Output\*: **up to 24000 bph (0.5L)**

**up to 22000 bph (1.0L)**

**up to 20000 bph (1.5L)**

Power installed: **180 kW**

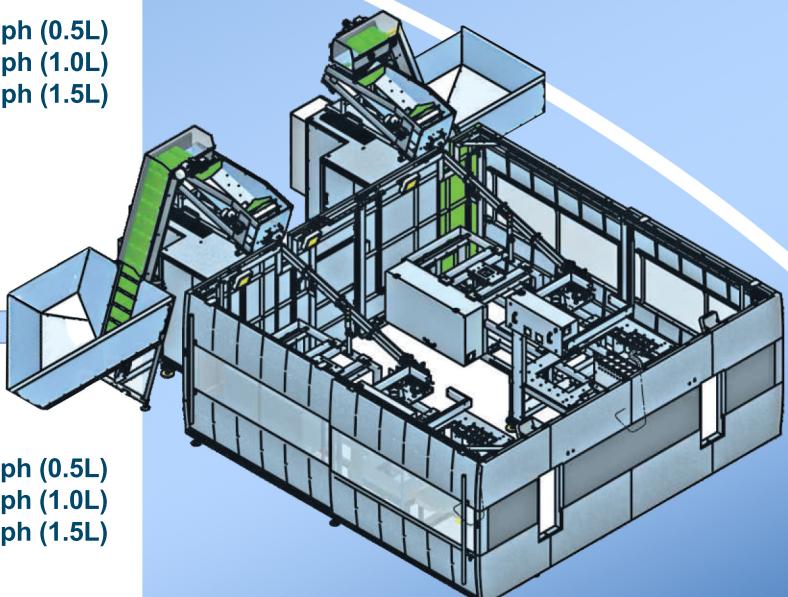
Effective power (1.0L bottle): **68 kW**

Working air quantity (10bar)\*\*: **0.0 m<sup>3</sup>/min**

Working air quantity (40bar)\*\*: **10.0 m<sup>3</sup>/min**

Number of cavities: **16**

Strring voltage: **24V / DC**



## optima 24

Blowing pressure: **up to 40 bar**

Bottle size: **0.25 - 2.25L**

Output\*: **up to 36000 bph (0.5L)**

**up to 16500 bph (1.0L)**

**up to 15000 bph (1.5L)**

Power installed: **220 kW**

Effective power (1.0L bottle): **80 kW**

Working air quantity (10bar)\*\*: **0.0 m<sup>3</sup>/min**

Working air quantity (40bar)\*\*: **12.0 m<sup>3</sup>/min**

Number of cavities\*\*\*: **24 - 12**

Strring voltage: **24V / DC**

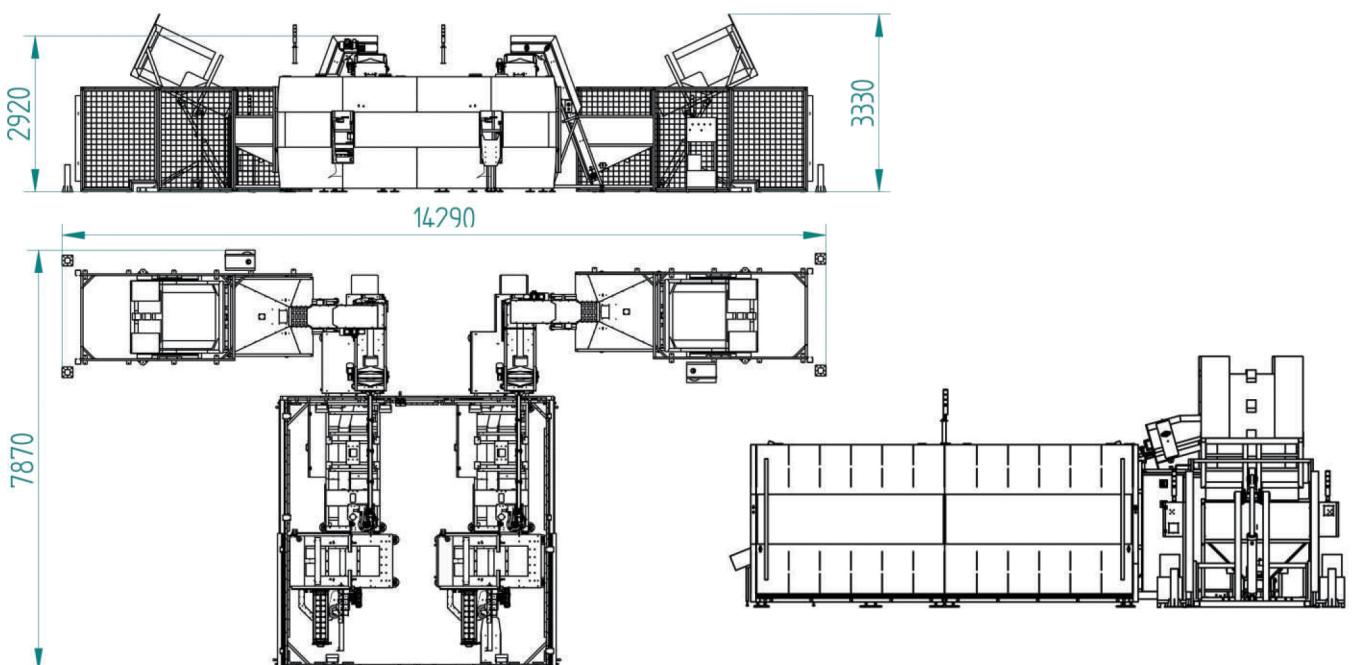
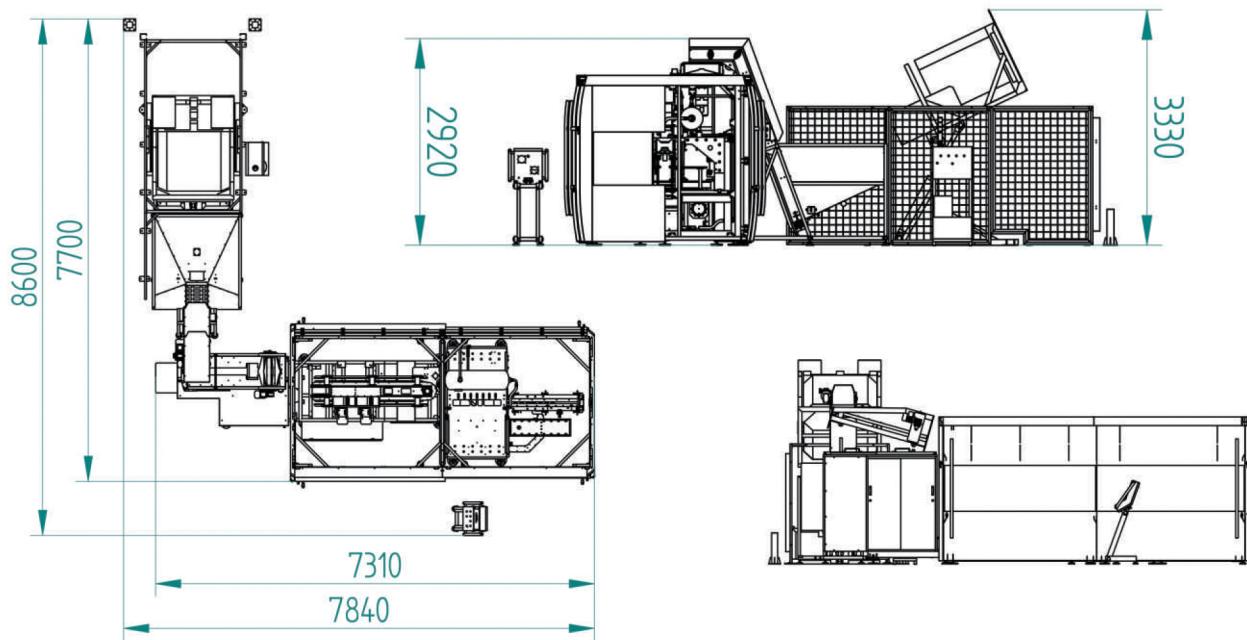


\* depends on bottle design

\*\* bottle 1.5 L (10 bar needed only at the beginning)

\*\*\* up to 0.5 L 12 , 24 cavities and larger than 6 , 12 cavities

## *optima 8, 12*



## *optima 16, 24*



## Advantages of technopET blowing machines

- Reduction of air consumption by air recovery used up to 60%, which significantly reduces energy consumption
- Linear devices have been designed.
- Compact size with full line fitting in a very limited space by draining bottles directly to air convayer
- The process of low-consumption heating by radiation and evacuation of hot air by the suction fan
- Use of servomotors and servo drives in the required parts of the device, which increases the accuracy of performance by increasing the speed of the device
- Quick template replacement system
- Intelligent compatibility with production line speed
- It has an touch monitor with dual language control and monitoring system Farsi and English to control and monitor the performance of the device by operator
- Equipped with a system for detecting defective bottles and separating them from the production line
- It has a 60 ton pneumatic locking system using return air, which causes the line to fall on the bottle that is between the molds. this increases the quality of the produced bottles (PETs).

