SINGLE STAGE FULL ELECTRIC PET MACHINE

INIEZIONE STIRO
SOFFIAGGIO PER PET

INJECTION STRETCH
BLOW MOLDING FOR PET
**TABELLA PRODUZIONE / PRODUCTION TABLE**

<table>
<thead>
<tr>
<th>Macchina tipo / Machine type</th>
<th>N. Cavità / Cavity</th>
<th>Lt. Capacity</th>
<th>Peso Max g / Weight</th>
<th>Collo mm Neck</th>
<th>Corpo mm Body</th>
<th>H. Max. mm Height</th>
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<tbody>
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Dati soggetti a modifiche senza preavviso
Data subject to modifications without notice

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1. **Gruppo iniezione con azionamento elettrico o ibrido.** Elettrico: per il caricamento del materiale (plastificazione), motore asincrono trifasico con inverter digitale. Elettrico o ibrido: per l’iniezione.
2. **Movimenti lineari di traslazione delle preforme e delle bottiglie, con comandi ed azionamenti misti a seconda del processo, elettromeccanici o elettropneumatici.**
4. **Stazione intermedia di condizionamento:** opzione presente a seconda delle necessità del cliente o del tipo di flacone da produrre. Opzione: condizionamento dell’area occupata dalla macchina.

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1. **Full electric or hybrid injection unit.**
   - **Electric:** for the plasticization phase, three phase asynchronous motor with digital inverter.
   - **Electric or hybrid:** for the injection phase.
2. **Linear movements for preforms and bottles,** with electro-pneumatic or electro-mechanic motor.
3. **Clamping system.**
   - Studied with the main goal to reduce the electrical consumption, ensuring always the maximum precision in the process.
   - For injection: vertical system
   - For blowing: new and patented movable carrying system in two stages, by means of rack and pinion, driven by brushless motor and inverter.
4. **Intermediate conditioning station:** option for special needs or type of bottles to be produced. Option: air conditioning and dehumidification in injection and blowing areas.
Nuova macchina PET, serie BME

Dopo oltre 10 anni fuori dal mercato dell’iniezione stiro soffiaggio, rientriamo con la novità che rivoluzionerà il settore: la prima macchina monostadio 100% elettrica. Un passo avanti significativo comparato alla nostra vecchia serie Biaxial. Un condensato di tecnologia al servizio dei clienti, con numerosi vantaggi dal risparmio energetico al risparmio sulle attrezzature; inoltre grazie al movimento lineare delle preforme e delle bottiglie abbiamo anche la stazione di soffiaggio in due differenti momenti. Il risparmio sulle attrezzature è un valore in più; è infatti risaputo che il costo degli stampi ha un impatto significativo sul costo della macchina e sulla possibilità di ammortizzarne il costo in produzione. La nostra macchina, grazie al nuovo sistema di porta stampi mobile, brevettato, consente di ridurre il numero delle cavità di soffiaggio della metà. Per essere più chiari; per soffiare 6 preforme, con la tecnologia tradizionale abbiamo bisogno di 6 cavità di soffiaggio, con una forza di chiusura di circa 30-35 ton. Nella nostra nuova macchina abbiamo solo 3 cavità di soffiaggio e la forza di chiusura richiesta è ridotta del 40%. Progettata specialmente per clienti che necessitano di produzioni con bassi quantitativi, la nostra macchina permette loro di soffiare simultaneamente due differenti forme di bottiglia, con una preforma simile ma con colli diversi. La macchina puó essere equipaggiata con iniettore in linea o a 90°. Questo importante progetto innovativo dará vita ad una evoluzione della serie nella quale molti altri dettagli verranno introdotti. Ancora una volta Magic si conferma leader nella flessibilità e nell’intuizione di ciò che il cliente ha veramente bisogno.

New PET machine, series BME

After being out of the injection stretch blow-moulding market for over 10 years, we are back with a new machine which is going to revolutionize the sector. A machine with electromechanical process and movements and hybrid or electric injection. A major step forward compared to our oldest hydraulic Biaxial series. A load of customer-focused technology, which brings many benefits, ranging from energy savings to equipment savings; in addition to the linear movements of preforms and bottles we have also the blowing station in two different phases. Equipment savings will mean one more major plus; it’s very well known that the cost of the moulds has a significant impact on the cost of the machine and it’s payback in production. Our machine will rely on the new system, patented, complete with movable mould carrier to allow the cavities of the blowing mould to be reduced by 50%. Let’s be clearer: to blow 6 preforms, traditional technology would require 6 blowing cavities, with a clamping force of approximately 30-35 ton. With our machine we have only 3 blowing cavities and the required clamping force is reduced by 40%. Specially designed for customers who need production in limited volumes, our machine will allow them to blow simultaneously two differently shaped bottles, with an apparently similar preform and different neck. The machine can be equipped with in line or 90° injection station. This groundbreaking project will allow the machines to be upgraded and many new details to be introduced. Magic further proves to lead the way in flexibility and awareness.
### Macchina / Machine: BME

#### Soffiaggio / Blow Station

<table>
<thead>
<tr>
<th></th>
<th>BME 152</th>
<th>BME 154</th>
<th>BME 156</th>
<th>BME 158</th>
<th>BME 170</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume max contenitore / Max volume of container</td>
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<td>2000</td>
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<td>1000</td>
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<td>320x340x181</td>
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<td>600x370x201</td>
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<td>150</td>
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<td>200</td>
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#### Iniezione / Injection Unit

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<tbody>
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#### Iniezione / Injection Station

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#### Consumi aria e acqua / Air and Water Consumption

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<td>Pressione acqua frigorifero stampi / Chiller output pressure</td>
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#### Consumi Elettrici / Power Requirements

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#### Dimensioni / Dimensions

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I dati riportati sono indicativi e non comportano nessun impegno se non espressamente indicati nel contratto.  
The above data are approximate and not binding if not expressly reported on the contract.