AUTOMATE YOUR PROCESS
TECHNOLOGY

The Octagon technology allows to separate the moulded part from the cold runner during the moulding cycle thanks to the axial movement of a cutter driven by a mini cylinder fed with high pressure oil.

The cut is made with the mould closed at the end of the holding phase. At this point the polymeric material is still hot, the operation is therefore not a real cut but a movement of material.
OPTIMISATION OF PRODUCTION PROCESSES

ADVANTAGES

Octagon technology brings a number of advantages to the production process.

TIME
Avoid second operations without increasing cycle time

QUALITY
Increases quality of the cut and of injected part ensuring repeatability of the production process

MATERIALS
Guarantees an optimal cut even with material such as PMMA that are critical to cut once solidified

SAFETY
Avoids risks for operators related to cold runner cutting with blunt tools
TIME AND PRESSURE MANAGEMENT

CONTROL

High pressure and accurate time control are required to perform a quality cut. Our Control Unit makes this possible.
TYPES OF CUT

EDGE GATE / FAN GATE

The lateral connection on the parting line of the mould generally requires a second operation to manual cut the cold runner. With our technology it is instead possible to separate the injected part from the cold runner during the injection cycle.
TYPES OF CUT
DIAPHRAGM GATE

They are used for cylindrical parts and when concentricity is an important dimensional requirement. They have the advantage of eliminating welding lines and minimising deformations.
CONTACT US TO DEVELOP YOUR PROJECT

TECHNICAL SUPPORT

Our innovation will bring important improvements to your productivity

1. Fill our form and send us the 3D of your part and your Mould

2. We will analyse your application and introduce (in removed) the 3D changes necessary to apply our technology

3. Once the technical aspect has been defined and approved, we will provide you our best offer
OUR TECHNOLOGY CAN BE USED WITH MANY MATERIALS

MATERIALS

Applications with many materials are possible. Contact us to evaluate the feasibility of your application with us.
OUR TECHNOLOGY CAN BE USED WITH MANY TYPES OF GATES

CUSTOM GATE

Applications with many types of gates are possible. Contact us to evaluate the feasibility of your application with us.

SUBMARINE

HORN

OVERLAP

HOLE

1 open

2 close

3 free
SOME EXAMPLES
CASE HISTORY
CONTACT OUR TECHNICIANS

CONTACTS

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Site
www.ermannobalzi.com

E-mail
info@ermannobalzi.com

Address
Viale E. Mattei, 13
25080 Mazzano - Brescia

Frame the QR Code with your mobile phone
FILL THE FORM AND SEND IT TO OUR TECHNICIANS

**FORM**

**AUTO DE-GATING INFORMATION. (WRITE YOUR DATA)**

<table>
<thead>
<tr>
<th>Project Code/No:</th>
<th>write your data</th>
<th>Cavity - material/hardness:</th>
<th>write your data</th>
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</thead>
<tbody>
<tr>
<td>Cavity insert - material / hardness:</td>
<td>write your data</td>
<td>Core insert - material / hardness:</td>
<td>write your data</td>
</tr>
</tbody>
</table>

**PART INFORMATION (FLAG the OPTION)**

<table>
<thead>
<tr>
<th>PLASTIC MATERIAL</th>
<th>COLUR</th>
<th>APPEARANCE</th>
<th>SECONDARY PROCESS</th>
<th>TOOLING INFORMATION</th>
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</thead>
<tbody>
<tr>
<td>ABS</td>
<td>White</td>
<td>Mirror</td>
<td>Plating</td>
<td>Existing Tooling</td>
</tr>
<tr>
<td>PC</td>
<td>Black</td>
<td>Texturing</td>
<td>Spray Painting</td>
<td>New Fabrication</td>
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<tr>
<td>PC-ABS</td>
<td>Transparent</td>
<td>Sand Blasting</td>
<td>Oiling</td>
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<tr>
<td>PMMA</td>
<td>Grey</td>
<td>Normal Polish</td>
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<tr>
<td>PA-GF</td>
<td>Milky White</td>
<td>Without polishing</td>
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</tbody>
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| Other: write your data | Other: write your data | Other: write your data | Other: write your data | Other: write your data |

**ENGINEERING INFORMATION (WRITE your DATA)**

**MOULDING PARAMETERS**

<table>
<thead>
<tr>
<th>Molding Cycle:</th>
<th>write your data</th>
<th>Core mould temperature:</th>
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<tbody>
<tr>
<td>Injection Pressure:</td>
<td>write your data</td>
<td>Material Temperature:</td>
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</tr>
<tr>
<td>Injection Time:</td>
<td>write your data</td>
<td>Holding Time:</td>
<td>write your data</td>
</tr>
<tr>
<td>Holding Pressure:</td>
<td>write your data</td>
<td>Cavity mould temperature:</td>
<td>write your data</td>
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</tbody>
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