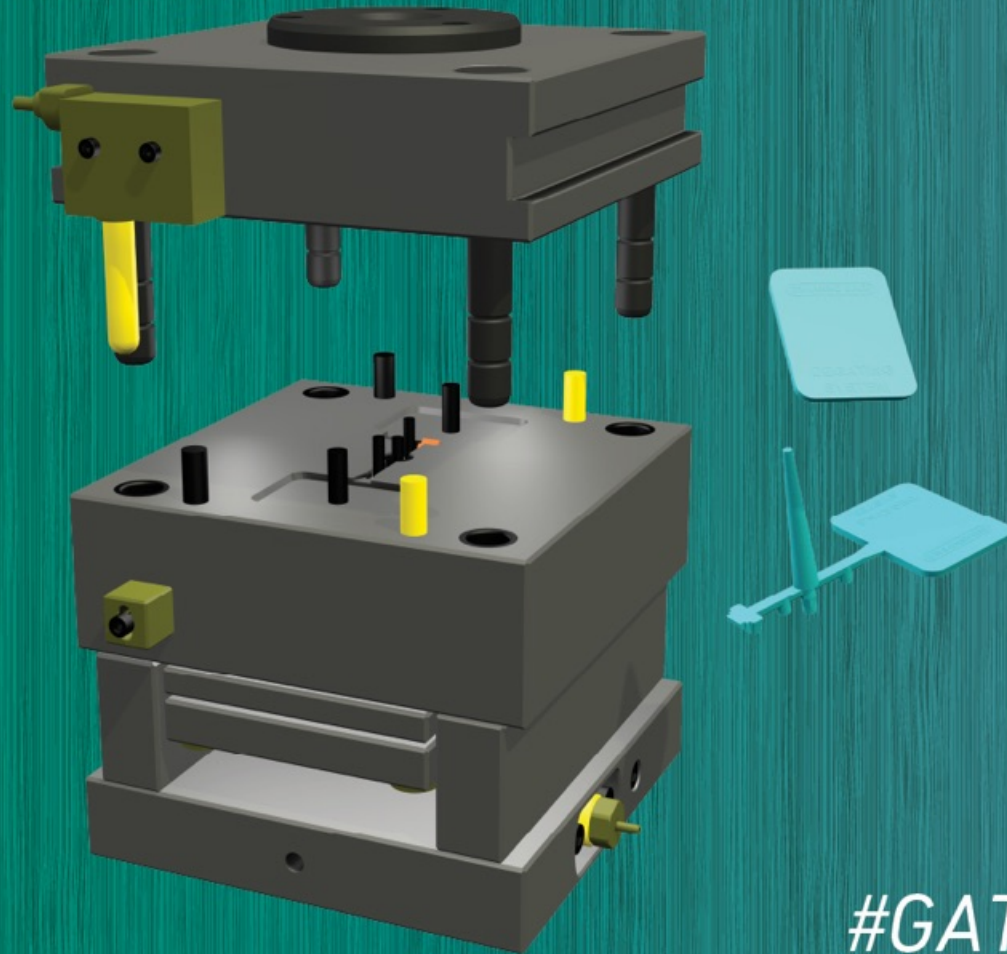


ERMANNNO BALZI

MOULD PARTS AND COMPONENTS



partner with:



#GATECUTTING

AUTOMATE YOUR PROCESS **TECHNOLOGY**

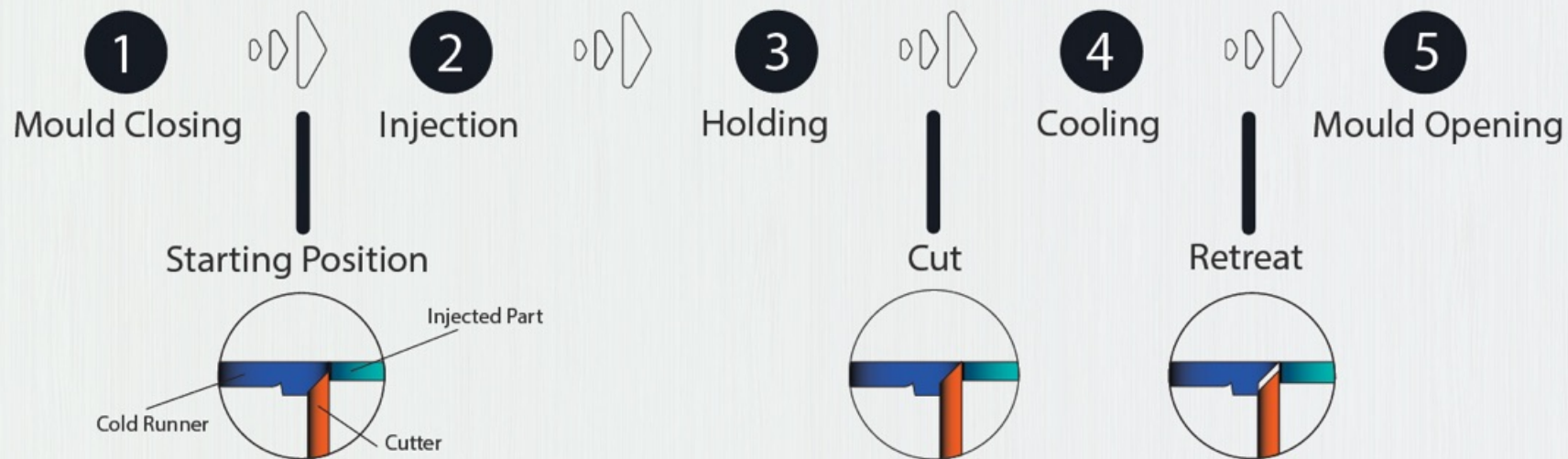
The Octagon technology allows to separate the moulded part from the cold runner during the moulding cycle thanks to the axial movement of a cutter driven by a mini cylinder fed with high pressure oil.

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.

Without our technology



with our technology



OPTIMISATION OF PRODUCTION PROCESSES

ADVANTAGES

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

“ Our aim is to optimise your production process ”



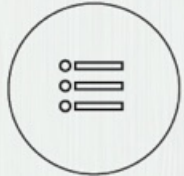
TIME

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



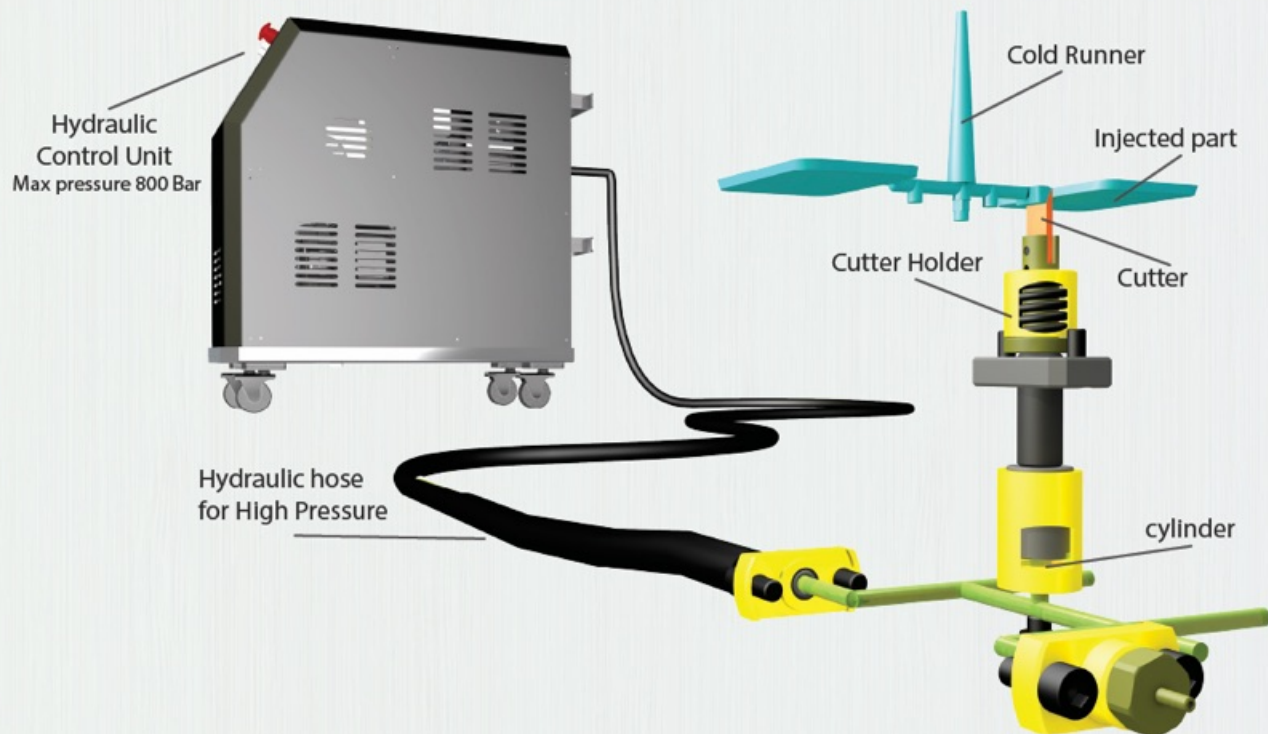
SAFETY

Avoids risks for operators related to cold runner cutting with blunt tools

TIME AND PRESSURE MANAGEMENT

CONTROL

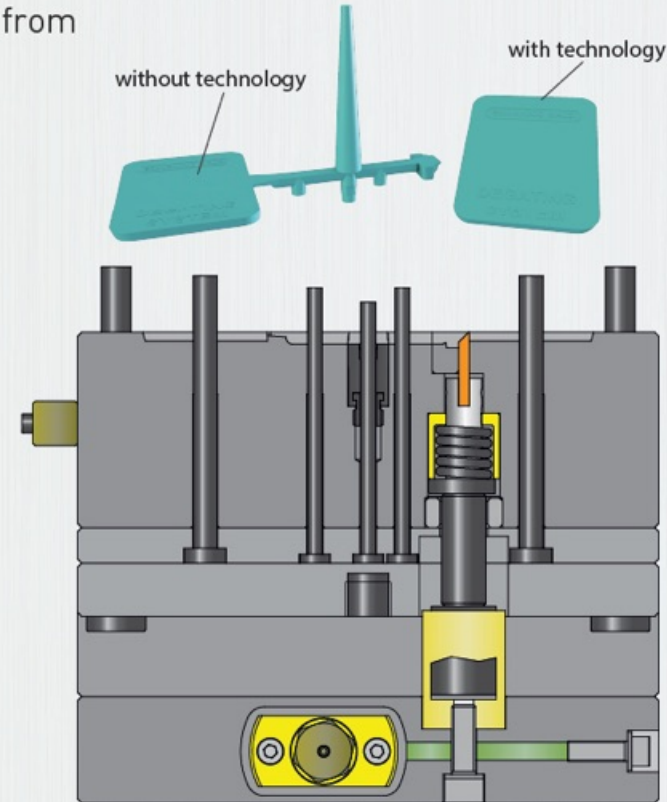
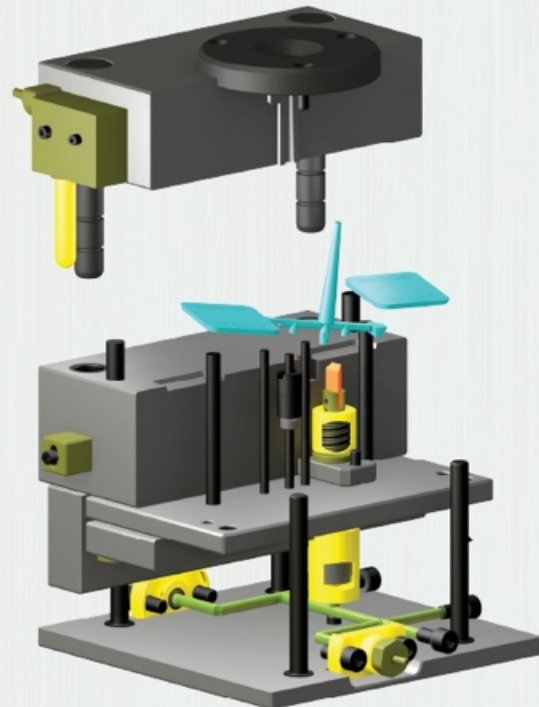
High pressure and accurate time control are required to perform a quality cut. Our Control Unit makes this possible



TYPES OF CUT

EDGE GATE / FAN GATE

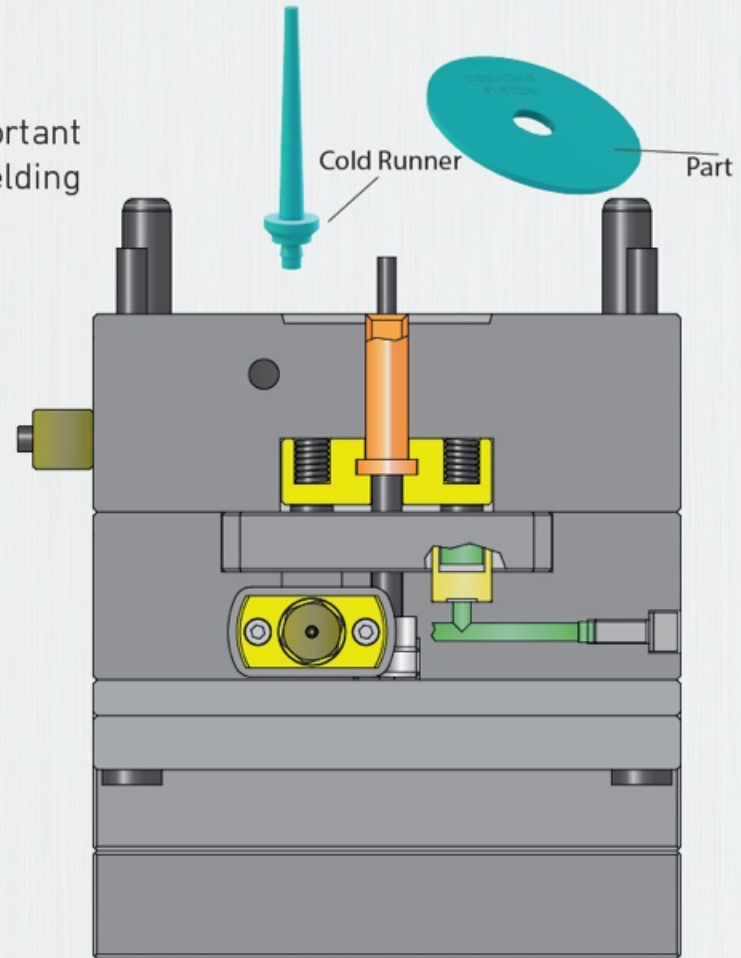
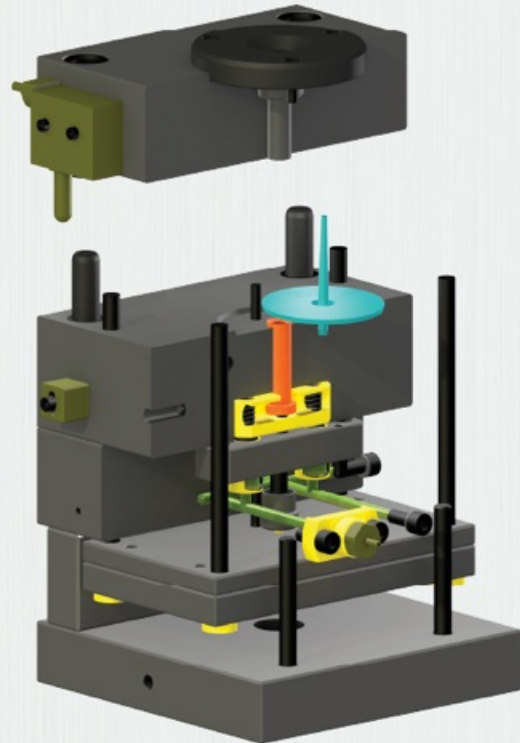
The lateral connection on the parting line of the mould generally requires a second operation to manual cut the cold runner. With our technology it is instead possible to separate the injected part from the cold runner during the injection cycle



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

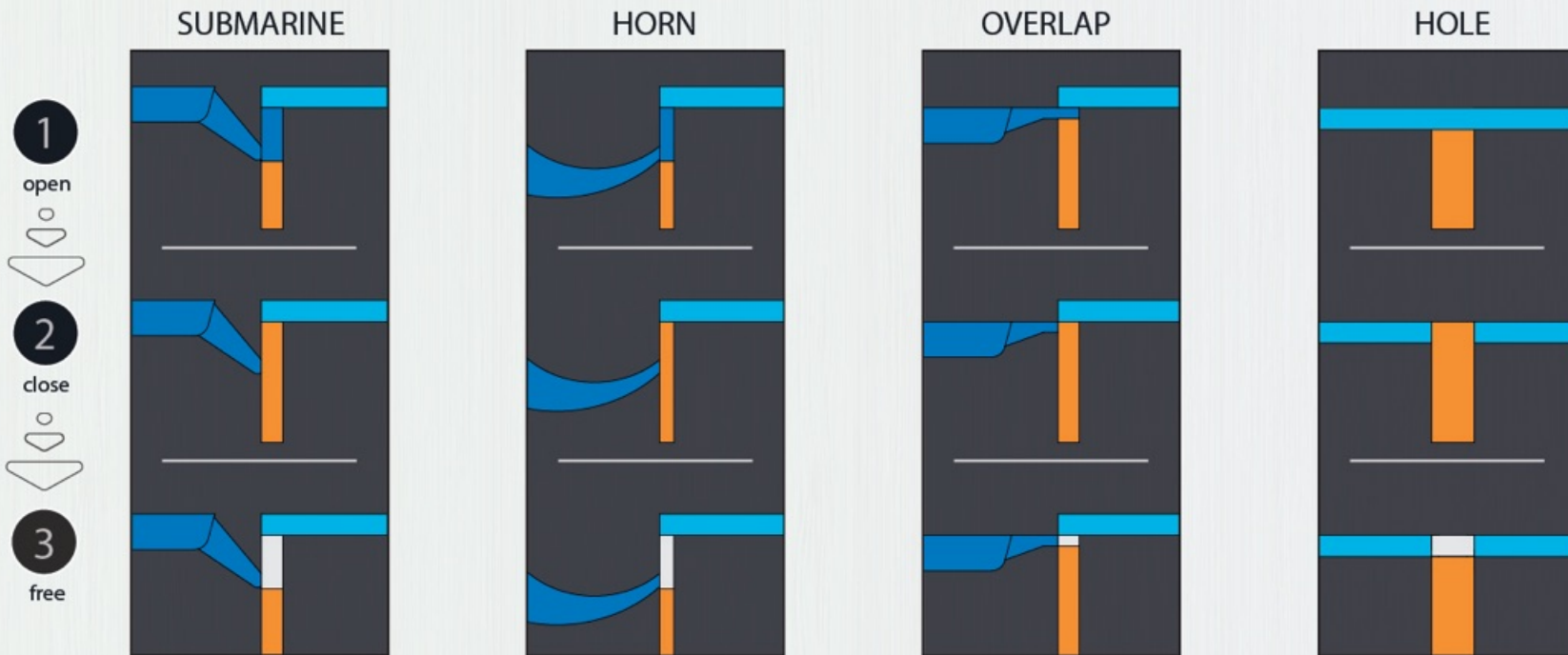
Applications with many materials are possible
contact us to evaluate the feasibility of your application with us



OUR TECHNOLOGY CAN BE USED WITH MANY TYPES OF GATES

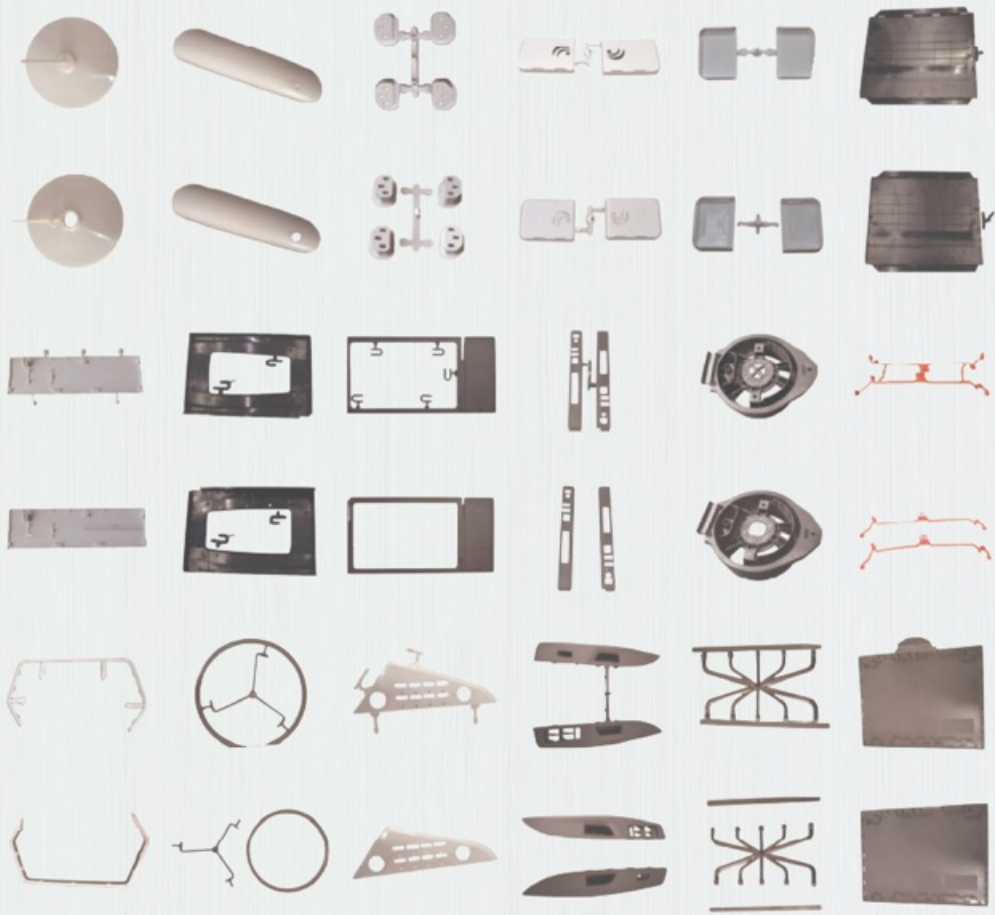
CUSTOM GATE

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



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



GCM


#GATECUTTING


OPTIMISE YOUR PRODUCTION



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Ermanno Balzi S.r.l. 

ermannobalzi srl 

FILL THE FORM AND SEND IT TO OUR TECHNICIANS

FORM

AUTO DE-GATING INFORMATION. (WRITE YOUR DATA)						ERMANN BALZI MOULD PARTS AND COMPONENTS			
Project Code/No: <i>write your data</i>				Cavity - material/hardness: <i>write your data</i>					
Cavity insert - material / hardness: <i>write your data</i>				Core insert - material / hardness: <i>write your data</i>					
PART INFORMATION (FLAG the OPTION)						<input checked="" type="checkbox"/>			
PLASTIC MATERIAL	CLOUR	APPEARANCE	SECONDARY PROCESS	TOOLING INFORMATION					
ABS	<input type="checkbox"/>	White	<input type="checkbox"/>	Mirror	<input type="checkbox"/>	Plating	<input type="checkbox"/>	Existing Tooling	<input type="checkbox"/>
PC	<input type="checkbox"/>	Black	<input type="checkbox"/>	Texturing	<input type="checkbox"/>	Spray Painting	<input type="checkbox"/>	New Fabrication	<input type="checkbox"/>
PC-ABS	<input type="checkbox"/>	Trasparent	<input type="checkbox"/>	Sand Blasting	<input type="checkbox"/>	Oiling	<input type="checkbox"/>		
PMMA	<input type="checkbox"/>	Grey	<input type="checkbox"/>	Normal Polishing	<input type="checkbox"/>				
PA-GF	<input type="checkbox"/>	Milky White		Without polishing	<input type="checkbox"/>				
Other: <i>write your data</i>		Other: <i>write your data</i>		Other: <i>write your data</i>		Other: <i>write your data</i>		Other: <i>write your data</i>	
ENGINEERING INFORMATION (WRITE your DATA)									
MOULDING PARAMETERS									
Molding Cycle: <i>write your data</i>					Core mould temperature: <i>write your data</i>				
Injection Pressure: <i>write your data</i>					Material Temperature: <i>write your data</i>				
Injection Time: <i>write your data</i>					Holding Time: <i>write your data</i>				
Holding Pressure: <i>write your data</i>					Cavity mould temperature: <i>write your data</i>				