

R u b b e r i n j e c t i o n



Turbo Cure<sup>®</sup>

TempInverter<sup>®</sup>  
Fill Balancer<sup>®</sup>

*Optimum consistency  
for maximum productivity*



# Turbo Cure<sup>®</sup>

cut cure time by up to 50% while increasing quality.

## The laminar effect: the enemy of homogeneous curing

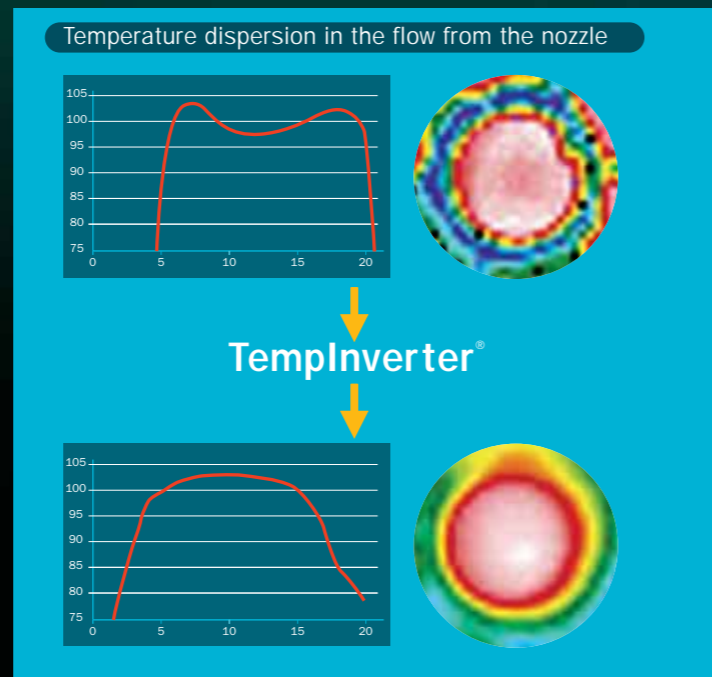
> In the absence of any special system, the rubber heats up only on the periphery, and the centre of the compound remains at a low temperature. As a result, heating all compound requires a long time.



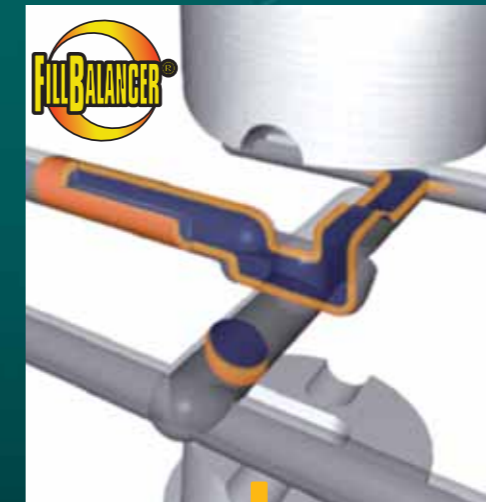
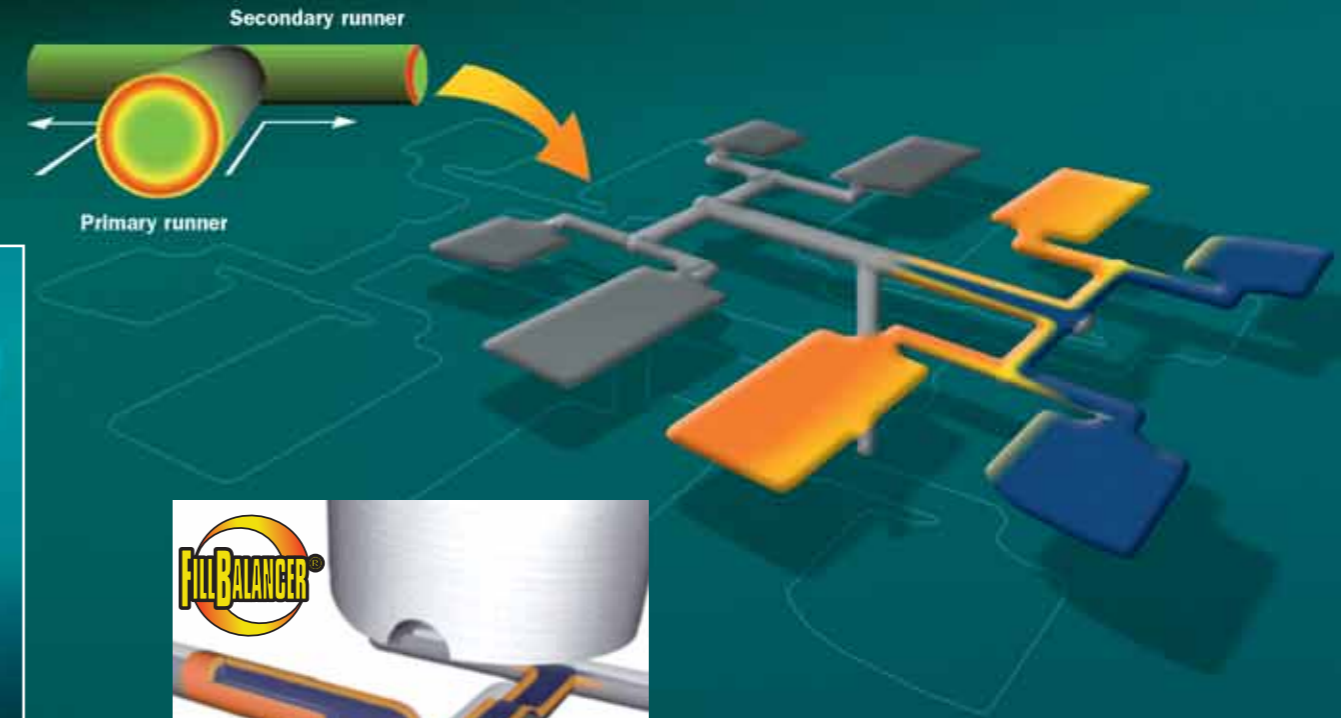
### In the injection unit:

**TempInverter<sup>®</sup>** provides the highest temperature where it's necessary.

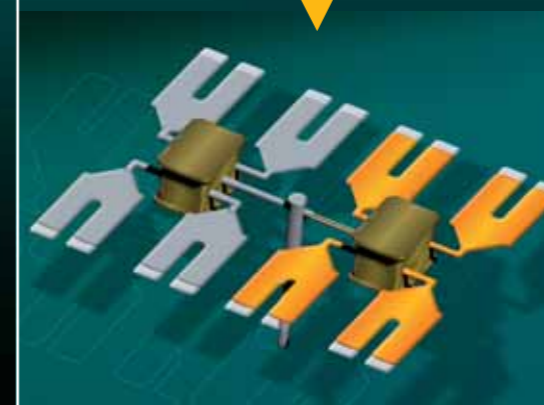
Inside the injection unit itself, TempInverter<sup>®</sup> avoids the laminar effect and increases the temperature in the centre of the flow right at the time of injection. The central parts of the mould consequently have a higher compound temperature of 10°, without increasing the maximum temperature, and without affecting the final mechanical properties.



Registered Patent



In the mould itself:  
**Fill Balancer<sup>®</sup>** renders the filling perfectly homogeneous.



This patented, exclusive REP process, guarantees an ideal distribution of the compound, preventing the temperature disparities from causing irregular fillings. By increasing the temperatures in the coldest areas, one can avoid overestimating the time for curing. Fill Balancer<sup>®</sup> also permits control of temperatures inside the cavities, so that the hottest compound is located in the critical point (in the centre of the piece).

using MeltFlipper<sup>®</sup> technology  
Patented by Beaumont Technologies Inc. U.S.A. patents : 6.077.470 & 6.503.438



# Turbo Cure®

## A comprehensive REP solution for your productivity

With its two complementary systems, Turbo Cure® conveys the philosophy that REP has developed since its creation: to offer innovative solutions in order to provide you with optimum productivity in your markets.

**The other elements for regulating the process are:**

- The injection unit with a precise control over the temperature of the compound,
- Thermotrac® for regulating the temperature of the mould,
- Isothermould® for a homogeneous mould temperature,
- A high injection pressure up to 3000 bars,
- Curetrac® to eliminate the safety margin for cure time,
- G9 process control and its powerful, closed-loop regulation, which guarantees the regularity of the process.



REP Group : [www.rep.tm.fr](http://www.rep.tm.fr)

### France

#### REP INTERNATIONAL

69960 CORBAS  
Tél. : +33 (0) 4 72 21 53 53  
Fax : +33 (0) 4 72 51 22 35

### Italy

#### REP ITALIANA

10078 VENARIA (TO)  
Tél. : +39 (0) 11 42 42 154  
Fax : +39 (0) 11 42 40 207

### Brazil

#### REP INJETORAS DE BORRACHA

CEP : 09726-150 SAO PAULO  
Tél. : +55 11 4125 7950  
Fax : +55 11 4125 6525

### Germany

#### REP DEUTSCHLAND

Sauergasse 5-7  
69483 WALD-MICHELBACH  
Tél. : + 49 (0) 6207 94080  
Fax : + 49 (0) 6207 6632

### U.S.A.

#### REP CORPORATION

BARTLETT, Illinois 60103-8146  
Tél. : +1 847 697 7210  
Fax : +1 847 697 6829

### China

#### REP BEIJING OFFICE

BEIJING 100013  
Tél. : +86 10 6420 2858  
Fax : +86 10 6446 2210

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