

Crown and bridge technology

The exact rendering of modelling and precise control of expansion guarantee casting results that will fit perfectly and speed up the finishing process. Even wide-span bridge constructions can be manufactured in a reproducible manner in no time at all.

- Ring-less application allows free expansion of the investment material
- Optimal oxide adhesion facilitates blasting and reduces the amount of time required
- The manufacture of delicate border mouldings extends the range of possible applications
- Fast-heating for urgent work with perfect fit



Brevest Rapid 1 – range with 160 g packaging
 REF 570 160R 4 25 bags = 4 kg incl. 1000 ml Bresol R
 REF 570 160R 8 50 bags = 8 kg
 REF 570 16R2 0 125 bags = 20 kg

The liquid for precise control of expansion
 REF 520 000R 1 1000 ml bottle
 REF 520 000R 5 5000 ml canister

The appropriate alloy for crown and bridge technology
 Brealloy C+B 270 – the easy-to-mill fusing alloy with a hardness of only 270 HV 10
 REF 500 CB20 0 Brealloy C+B 270, 200 g test kit



The model casting technique

The traditional model casting technique and Brevest Rapid 1 – the ideal combination! The high degree of design accuracy and edge stability provide the ideal conditions for the rapid transformation of wax into the alloy. This is achieved thanks to the time-saving rapid pre-heating.

- Accurate control of expansion reduces the lengthy process of fitting
- High degree of edge stability for accurate attention to detail
- Long processing width allows stress-free pouring of complex shapes
- Because it is easy to remove, it offers a high degree of convenience and reduces the blasting process



Brevest Rapid 1 – range with 200 g packaging
 REF 570 0002 5 20 bags = 4 kg incl. 1000 ml Bresol R
 REF 570 000R 8 40 bags = 8 kg
 REF 570 00R2 0 100 bags = 20 kg

The liquid for precise control of expansion
 REF 520 000R 1 1000 ml bottle
 REF 520 000R 5 5000 ml canister

The appropriate alloy for the model casting technique
 Brealloy F 400 – the optimal material properties make finishing and polishing easy.
 REF 500 ML50 0 500 g test kit



Making optimal use of material properties to produce dental prostheses that fit perfectly

The user-friendly and clear design makes work easier and reduces the sources of error. An efficient and maintenance-free vacuum pump, which can be set at two

different levels (15 mbar, 200 mbar), generates a bubble-free mass and therefore guarantees the casting results.

ecovac wall mounting
 REF 140 0093 0, stand available as an accessory

ecovac anchor-coil stirrer and mixing beaker

The high-quality stainless steel mixing beakers with smooth inner surface prevent adhesion of the investment material and the intake of fluid, and therefore a uniform result is achieved at all times.

The special anchor-coil stirrer blends the investment material through the shape homogeneously and thereby allows precise control of the expansion of the investment material.

ecovac wall mounting
 REF 140 0093 0, stand available as an accessory

	Anchor-coil stirrer	Mixing beaker
50 ccm	REF 140 OR94 5	REF 140 OB94 5
250 ccm	REF 140 OR94 0	REF 140 OB94 0
750 ccm	REF 140 OR94 2	REF 140 OB94 2
1000 ccm	REF 140 OR94 3	REF 140 OB94 3



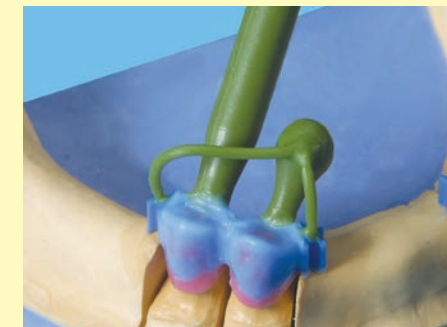
Efficient casting channel system

The correct flow of the melted mass is dependent upon the casting channel route. A system must therefore be used in which the melted mass fills the casting object quickly and without turbulences. Castings without air pockets facilitate

the high-gloss polishing and provide a homogeneous cast. Various shapes for vacuum pressure and centrifugal casting ensure the correct spruing for the various casting systems.

Casting channel for vacuum pressure casting
 Range with 450 parts, REF 430 0146 0

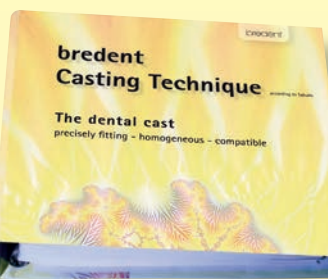
Casting channels for centrifugal casting
 Range with 390 parts, REF 430 0148 0



Vacuum pressure cast



Centrifugal casting

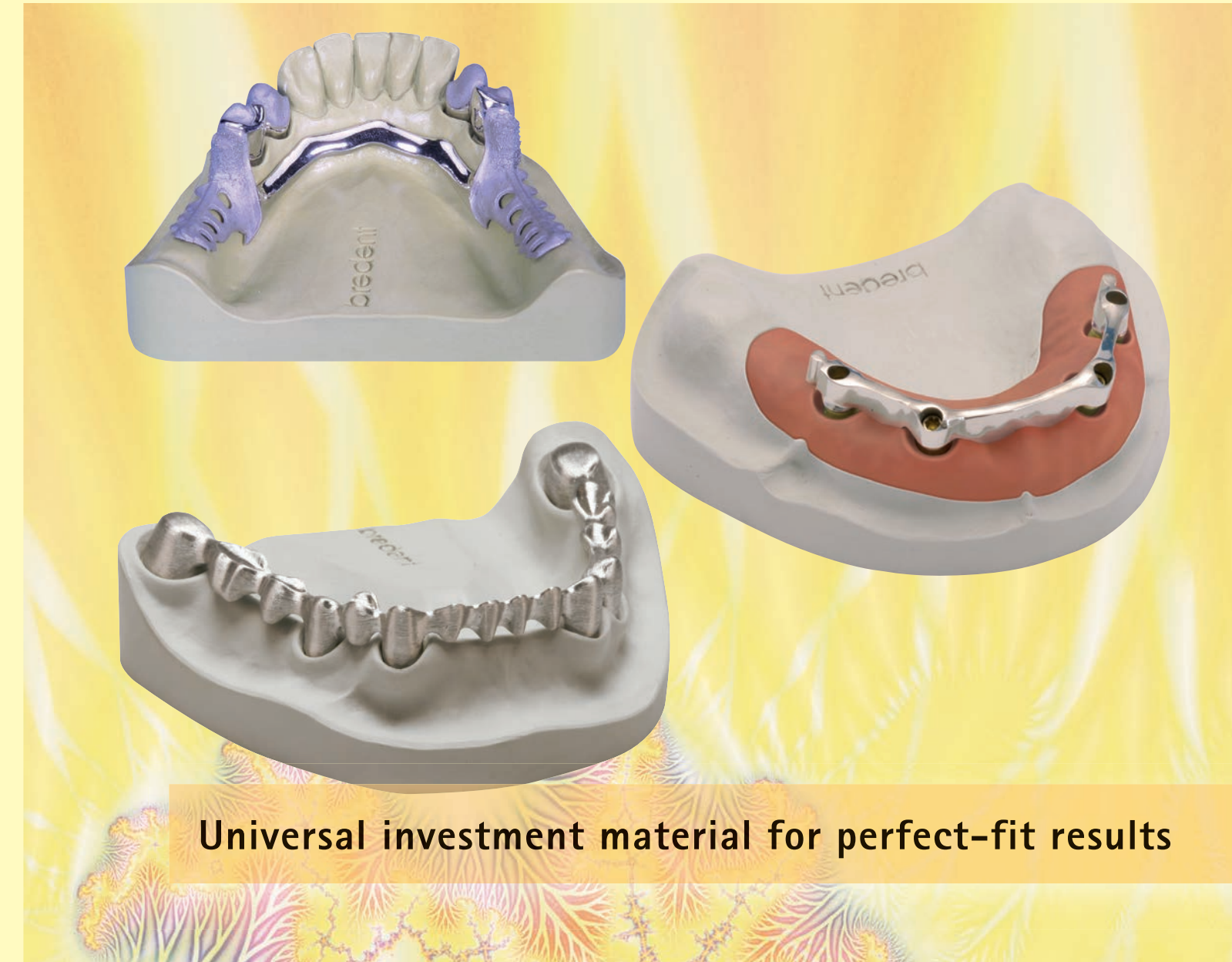


Useful tips for successful precision casting

The practical handbook "bredent Gießtechnik" (bredent casting technology) provides the reader with well-founded information for daily application. Practical tips, combined with scientific data,

will ensure successful implementation in the laboratory and allow you to perfect the casting technology, so that perfect results can be reproduced.
 REF 992 961G B

Brevest Rapid 1 – One for all!



Universal investment material for perfect-fit results

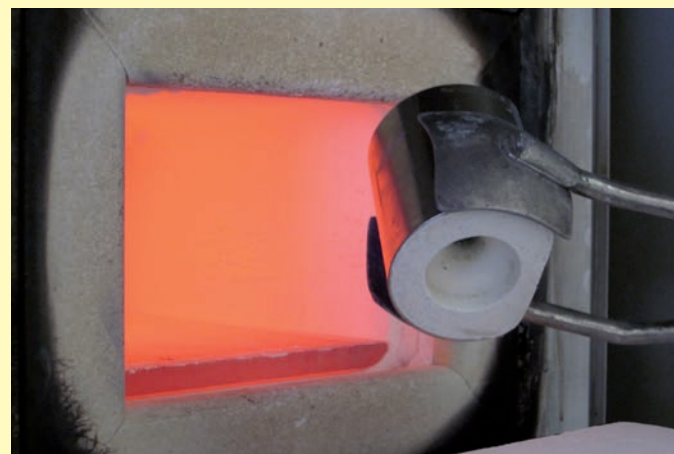


The Universal

Brevest Rapid 1 is used in modern laboratories due to its wide range of applications for crown and bridge technology, model casting technology and one-piece casting technology. This reduces the number of products needed in the laboratory and thereby enables rapid and simple processing. The perfect fit of the investment material is achieved through liquid control and reduces unnecessary fitting time.

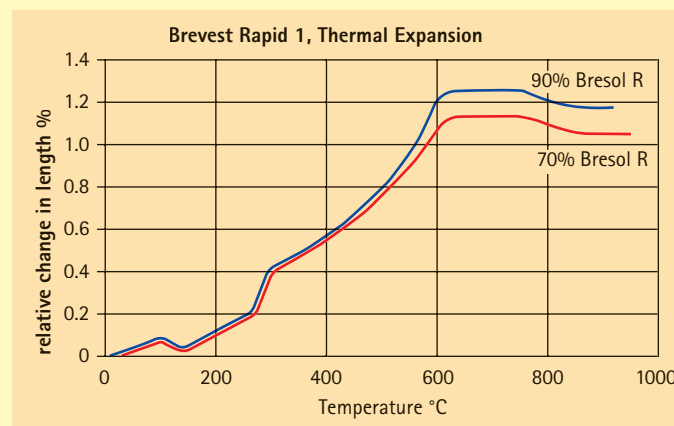
Phosphate-bound

Brevest Rapid 1 is interesting from an economic perspective for the laboratory due to the composition of the raw materials chosen. Irrespective of the alloy to be processed, the investment material can be heated up to 1080°C. The additional opportunity to use rapid pre-heating saves time in daily use and reduces unnecessary waiting time.



Controlled expansion

Thanks to the Bresol R mixing fluid, precise control of expansion is possible. Because of this, perfect-fit, reproducible casting results can be achieved, which cuts down the length of time required for fitting and guarantees rapid further processing.



Advantages at a glance

Phosphate-bound	Wide range of possible applications for all alloys
Dual heating	Reduces the length of time required and allows more flexibility
Universally applicable	Covers all casting techniques and therefore cuts costs
Precision control	Generates perfect-fit casts and reduces the amount of work required
Medium to fine-grained	Generates very smooth surfaces and makes the finishing process easier
High degree of edge stability	Simplifies modelling and guarantees an accurate cast
Long processing time	Allows stress-free and safe pouring of the mould and thereby reduces inaccuracies

Dental precision casting

The top of the range in casting technology – manufacture wide-span removable structures that fit perfectly. This is successfully implemented using the Brevest Rapid 1 and Brevest ESG investment material.

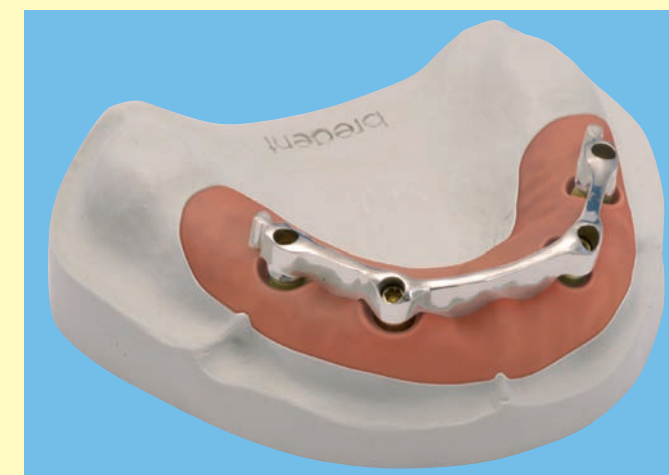
- Products coordinated with one another reduce the amount of work required and enable the simple manufacture of precision casts
- Simplified work processes guarantee the safe manufacture of dental prostheses
- Reduction of casting errors enables efficient working
- Reproducible results increase the chance of success
- The outstanding accuracy of fit minimises the fitting time

Implant-supported bar constructions are manufactured to fit perfectly and therefore make it possible to achieve a stress-free fit. This increases the implants' longevity. The secondary construction is already adjusted for friction by the investment material system, meaning that the fitting time is considerably reduced.

Delicate prostheses or palate-free prostheses in the maxilla improve the patient's quality of life. This is achieved by precise manufacture using dental precision casting. This is made possible by the spruing system, alloy and vacuum mixer, in conjunction with bredent investment materials.



DL Marco Zelmer, Sondershausen

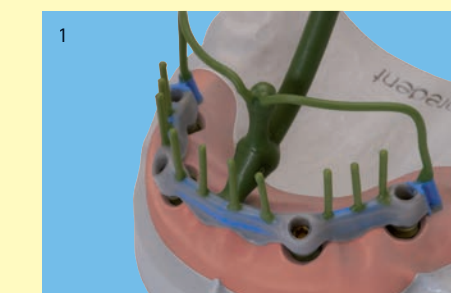


Reproducible implementation in the laboratory. Competent advice provided during a 1-day course with practical instruction and fine-tuning of the technique carried out by bredent System Consultants in your laboratory – to guarantee immediate success. Using this system, elaborate telescopic and conical crowns or implant bridgework are manufactured in a reproducible manner, with perfect fit.

Beginners' sets:		
Brevest Rapid 1	REF 570 0002 5	20 bags = 4 kg incl. 1000 ml Bresol R
Brevest ESG	REF 570 ESG0 4	20 bags = 4 kg incl. 500 ml Bresol ESG
Duplication system	REF 520 DBST E	22 parts

Simple and reproducible manufacture

By adhering to specific processes, reproducible manufacture is possible every time. The rounded system and the coordinated products facilitate daily application.



The primary construction is sprued in accordance with the rules of the bredent casting technique. Perfect-fit, homogeneous casts can be reproduced because of this.



Pouring of the model without bubbles, with Brevest Rapid 1 thin-flowing investment material. After casting, time-saving further work with rapid fitting.



Stress-free, well-fitting cast guarantees a long service life for the implants and good prosthetic restoration.



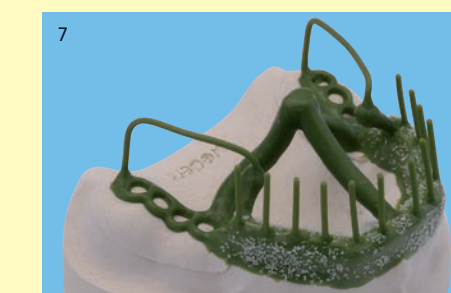
The appropriate size of the duplicating flask is chosen for the model. The duplication system thus reduces the silicone consumption and provides the basis for perfect-fit secondary constructions.



Only the primary parts of the Brevest ESG investment material are cast using the Transfuser silicone brush. This ensures that a coordinated expansion is achieved for perfect-fit secondary parts.



The correct mixing ratio of the investment materials is required in order to achieve a perfect fit. The coordination of the investment materials to your devices is carried out by a bredent System Consultant during a 1-day course in your laboratory. Reproducible results can be achieved thanks to this.



The optimal casting channel provision allows cavity-free casting and generates a homogeneous structure. This makes the casting object biocompatible and easy to polish.



Ready for veneering with visio.lign veneers. This system stands out because of its fit, aesthetics and the speed of manufacture.

Workshop
"Dental precision casting in the laboratory". Before the beginning of the course, the devices in the laboratory and the materials to be used are coordinated with one another by the System Consultant. Reproducible results can be achieved immediately after the course using the materials for investment, the duplication system and alloy.

During the day-long course, secondary construction of a model prepared by you is carried out, using a primary construction. After casting, the secondary construction is fitted in no time at all.

Dental precision casting in the laboratory
REF 950 0074 0

