1.

CAD/CAM MATERIALS

1.1 CAD/CAM Waxblanks for Pressable Ceramics

New techniques demand new materials.

Just in the past few years, options provided by CAD/CAM technology have developed at such a high pace that the necessary materials could only be developed in the second instance. Our search for the appropriate waxes for this technology did not convince us of resinenriched wax blanks. The basic principle is to retain the data gained from the pattern waxed-up for the definitive restoration. Transferal of the data to the definitive restoration provides for structured working and saves a considerable amount of time. The data resulting from the wax-up can be used as a basis for the definitive restoration. The most important aspect is that the milled wax components can be processed further without problems being incurred. This was achieved by developing this wax.
It is very easily sculpted and warmed – Its high-contrast color benefits dental technology.
The 98 mm blanks are also available in 14, 16, 18, 20, 25 and 30 mm sizes.

Carving or adding is as easy as producing a regular outline wax. Easy to cast, press and to carve. The workflow process remains in the same properties and colors of the material.

Properties:
Drop melting point: 77 -83 °C
Penetration : 1 - 5

Order no. DR 000 920 HD 806-20
yellow, 98.5 x 20 mm, 1 piece

Order no. DR 000 930 HD 805-20
cream, 98.5 x 20 mm, 1 piece

1.2 CAD/CAM Millable Waxblanks for Casting

Waxblanks are synthetic wax blanks for the fabrication of wax models. These special wax blanks are not intended for intra-oral use! They burn out without trace. For up to 30 units. The material can be used to make frameworks for crown and bridge models. These models can be used in the lost wax process when casting, when making dental restorations. Leaves no residue and easily machined with a low coefficient of thermal expansion.

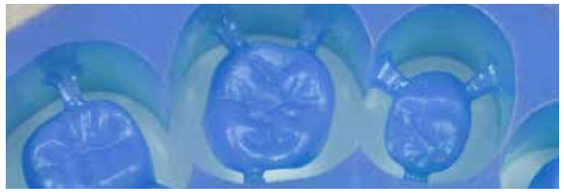
INDICATION AND BENEFITS:

Blue Wax :
- Cast Copings
- Burnout and Press Over
- perfect Burnout and Cast Needs Contour Cast

White Wax:
- Diagnostic Presentations
- All Burnout and Cast

Grey Wax:
- All waxing needs where a different esthetic appearance is desired

Compatible Machines:
- Wieland
- ZirkonZahn
- High Speed Dental
- Armann Girbach Ceramill
- and many more...



Properties:
Chem. composition:
synthetic wax
Odour: odourless
Colour: white opaque / yellow
Drop melting point: 100 -130 °C
Density: 0,97 g/cm3
Solubility in water: not soluble

Order no. 000 900 HD 830-20
white, 98.5 x 20 mm, 1 piece

Order no. DR 000 950 HD 830-20
grey, 98.5 x 20 mm, 1 piece

Order no. DR 000 970 HD 830-20
blue, 98.5 x 20 mm, 1 piece

CE

1.3 PMMA cast blanks

PMMA blanks enable users of a milling machine to process metals and still take advantage of the convenient and reliable method of designing restorations.

Restorations are designed as usual and machined from the PMMA. PMMA blanks are made from a plastic which burns without trace and can therefore be used in the lost material casting process.
Since the PMMA blanks are very easy to shape by milling, they present a fast and cost-effective method of verifiying the functionality and fit of the restoration on the dental model. PMMA blanks are designed to be milled dry. They are available in a thickness of 18 mm or other.

Properties:
Chemical name:
100% PMMA
(Polymethyl methacrylate)
Density: 1,19 g / cm^3
E-Modulus:
3300 MPa ISO 527-2 1 B1
Vicat point:
103 °C ISO 306/Methode B 50
Ball indentation hardness: 175 MPa

Order no. DR 000 500 HD 830
transparent, 98.5 x 18 mm, 1 piece