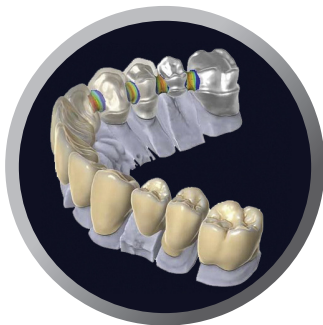


DEFINIFIT®

RESIN DISCS WITH DEFINITIVE CHARACTER IN MOUTH



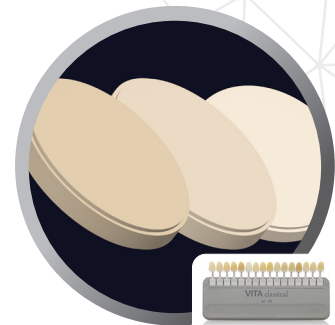
Cad-Cam

Accurate results thanks to cad-cam production.



Definitive Work

Resins for milling definitive solutions of high quality, aesthetics and durability.



Color Range

Vita guide of colors: A1, A2, A3 & C1-C2.

DEFINIFIT® is a highly crystalline acetal resin that has optimal properties to be used in a huge variety of **dental applications**, both provisional and **final**.

This new material created by **Gt-Medical**, is based on the acetalic resin, with which you can perform work to complete anatomy, pink composite can be loaded in the gingival part. It admits the make-up of the anatomical part (using light-curing varnishes).

Ideal for jobs where cost is an important factor. It is also optimal for milling antagonists of work in zirconium or ceramic metal, so that wear occurs in a controlled manner on this material, thus avoiding fatigue in the implants.

It is available in the A1, A2, A3 and C1-C2 colors of the Vita Guide; Its format is 98.5mm in diameter - double recess - by 18mm in thickness.

PROPERTIES OF DEFINIFIT® DISCS

- High strength and hardness of the material.
- High impact resistance.
- High resistance to wear.
- Easy machining by CNC milling.
- Great dimensional stability.



PERFECT FIT IN DENTAL SOLUTIONS

www.gt-medical.com

1. Indications

DEFINIFIT® is easy to mill, its surface finishes are smooth and shiny and its moisture absorption is negligible. These properties are combined with lightness, hardness, high dimensional stability and high resistance to fatigue, flexion and wear. Due to all these characteristics, **DEFINIFIT®** is the ideal material for milling crowns and bridges - anterior and posterior -, removable prostheses and even frames of partial dentures, both temporary and **definitive**, by means of any Cad-Cam system in dental laboratories.

CONTRAINDICATIONS

Not suitable for any application not included in the above indications.

2. Milling

STEPS

1. Assemble the disk according to the instructions of the milling machine (it can be milled dry and wet). Make sure that the CAM scale selector is set to 1:1 ratio.
2. Select the milling strategy appropriate to the part you want to manufacture.
3. Dump the milling calculation on the router and execute it.
4. Once the milling operation has been completed, remove the disk, which will now contain the previously milled part(s).

3. Post-Milling

STEPS

1. Remove the milled part(s) from the disc using a suitable reamer for acetal resin.
2. To polish the parts use a new polishing disc suitable for thermoplastics and review the pieces until you achieve a deep shine.

Note

DEFINIFIT® discs are for professional use only; in no case should they be used by unqualified personnel.

4. Tips

CAM DESIGN TIPS: MINIMUM THICKNESS

Partial denture frame

- Main connector: 0.7 mm.
- Ozone zone: 0.5 mm.

Previous grinding hook

- 2.0 mm. in the area where the hook joins the frame, reducing its thickness to 0.7 mm. at the tip.

Hook in rear wheel

- 2,5 mm. where the hook is attached to the frame, reducing its thickness to 0.7 mm. at the tip.

Crowns and bridges

- 0,5 mm. of minimum wall thickness.
- 0,03 mm. of cementation interstice.

5. Technical data

PROPERTIES	ISO METHOD	VALUE
Density	1.183	1,40 g/cm ³
Moisture Absorption	62	0,2 % by Weight
Tensile strength	527	65 MPa
Torsional strength	527	110 MPa
Modulus of elasticity	527	2.700 MPa
Tenacity (Charpy -mella-)	179	6 kJ/m ²
Resistance to wear	527	0,75 u/km
Elongation to rupture (flexion)	527	27 MPa