

# ENA CAD



Micerium S.P.A.  
Via G. Marconi, 83 - 16036 Avegno (GE) Italy  
Tel. +39 0185 7887 880 • sales@micerium.it  
www.micerium.com

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ENA CAD UD3M DISC 15 110



# ENA CAD

IN REAL COMPOSITE MATERIAL



Perfect  
functional and aesthetic  
biocompatibility



ENA CAD UD3M DISC 15 110

# ENA CAD

## Discs & Blocks IN REAL COMPOSITE MATERIAL

### Perfect Functional and Aesthetic Biocompatibility

**Ena Cad** discs and blocks can be used to fabricate fully anatomical monolithics, inlays, crowns and suprastructures for functional, aesthetic rehabilitation also on implants.

**Ena Cad** has a similar hardness of composite for restorations. It is not hard as zirconia, dental ceramic or other polymers and hybrids. This feature makes it easier to be milled and its physical characteristics are closer to natural teeth than other materials for restorations, allowing to better absorb the chewing stress and making it an ideal material inlays/onlays, crowns and bridges, suprastructures on implants.

### Ena Cad Advantages vs Acrylic

- Similar to natural tooth
- Permanent
- Colour stability
- Ideal for patients with bruxism
- Ideal for implant prosthesis

### Physical properties

Vickers hardness	680-700 MPa
Modulus of elasticity	9.500-10.000 MPa
Flexural strenght	160-180 MPa
Compressive strenght	475-495 MPa
Filler content	70% (weight)
Radiopacity	210% (Aluminium)

### Ena Cad Advantages vs Ceramic / Zirconia

- Similar to natural tooth
- Light
- Optimal stress absorption
- Modifiable after cementation
- Flexible under load
- Possibility of access to the root canal
- Ideal for patients with bruxism
- Ideal for implant prosthesis
- Adhesion (chemical bond)

# ENA CAD

## Monolayer Blocks

Dimensions: 14,7x14,7 mm. x h.18 mm.



**TCBUD0,5-6** Ena Cad Block S UD0,5 (6 pcs.)



**TCBUD1-6** Ena Cad Block S UD1 (6 pcs.)



**TCBUD2-6** Ena Cad Block S UD2 (6 pcs.)



**TCBUD3-6** Ena Cad Block S UD3 (6 pcs.)



**TCBUD35-6** Ena Cad Block S UD3,5 (6 pcs.)



# ENA CAD

## Monolayer Discs

Diameter 98,5 mm., thickness 10/15/20 mm.

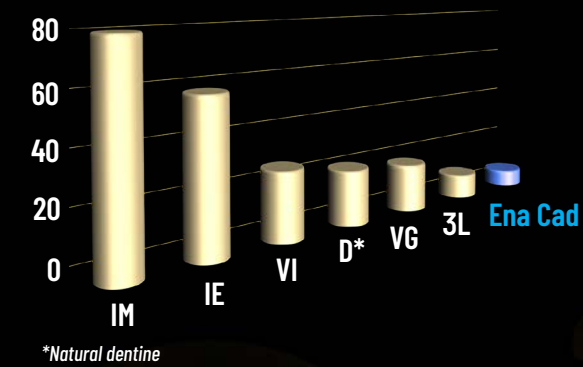
	<b>TCDUD0-15</b> Ena Cad Disc UD0 15x98,5 mm.		<b>TCDUD2-10</b> Ena Cad Disc UD2 10x98,5 mm.
	<b>TCDUD0-20</b> Ena Cad Disc UD0 20x98,5 mm.		<b>TCDUD2-15</b> Ena Cad Disc UD2 15x98,5 mm.
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	<b>TCDUD0,5-10</b> Ena Cad Disc UD0,5 10x98,5 mm.		<b>TCDUD2-20</b> Ena Cad Disc UD2 20x98,5 mm.
	<b>TCDUD0,5-15</b> Ena Cad Disc UD0,5 15x98,5 mm.		<b>TCDUD3-10</b> Ena Cad Disc UD3 10x98,5 mm.
	<b>TCDUD0,5-20</b> Ena Cad Disc UD0,5 20x98,5 mm.		<b>TCDUD3-15</b> Ena Cad Disc UD3 15x98,5 mm.
<hr/>			
	<b>TCDUD1-10</b> Ena Cad Disc UD1 10x98,5 mm.		<b>TCDUD3,5-10</b> Ena Cad Disc UD3,5 10x98,5 mm.
	<b>TCDUD1-15</b> Ena Cad Disc UD1 15x98,5 mm.		<b>TCDUD3,5-15</b> Ena Cad Disc UD3,5 15x98,5 mm.
	<b>TCDUD1-20</b> Ena Cad Disc UD1 20x98,5 mm.		<b>TCDUD3,5-20</b> Ena Cad Disc UD3,5 20x98,5 mm.



# ENA CAD

## Discs & Blocks

### E-Modulus GPa

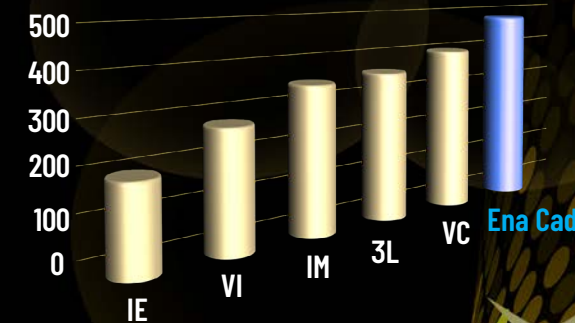


### Ena Cad is very elastic

Modulus of elasticity (low=high elasticity) means the capability of a material to absorb the chewing effects, allowing the restoration to be flexible, reducing the risk of fracture and chipping over time.

Ena Cad is more elastic than zirconia, ceramic and other hybrid for milling. Furthermore, as a patient with implants cannot absorb the stress with the periodontal ligament, the elasticity of the restoration can reduce decisively the stress transferred to the implants and the bone.

### Compressive strength MPa



### Ena Cad is more resistant

Compressive strength allows to estimate the longevity of a restoration both on implant and on dental structure under chewing forces.

Ena Cad is a material that allows the restoration to last more time than zirconia, ceramic and other hybrid for milling. Tests that simulate 1,2 millions chewing cycles show that the material has a natural wear without fractures or chipping.

# ENA CAD

## Discs & Blocks

Monolayer

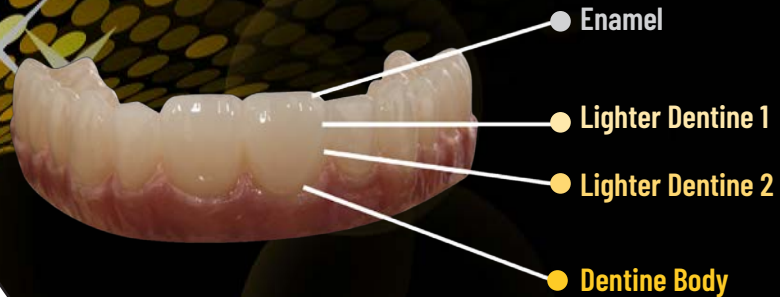


Multilayer

### PERFECT FUNCTIONAL AND AESTHETIC BIOCOMPATIBILITY

Ena Cad discs and blocks can be used to fabricate fully anatomical monolithics, inlays, crowns and suprastructures for functional, aesthetic rehabilitation also on implants.

Discs and blocks are available in the monolayer version in the following shades: UD0, UD0,5, UD1, UD2, UD3 and UD3,5 shades are available also in multilayer discs to offer additionally a better aesthetic integration especially in anterior area.



Low Chroma  
High translucency



High Chroma  
Low translucency



# ENA CAD

## Multilayer Discs

Diameter 98,5 mm., thickness 15/20 mm.

	<b>TCDMUD1-15</b> Ena Cad Disc Multilayer UD1 15x98,5 mm.		<b>TCDMUD3-15</b> Ena Cad Disc Multilayer UD3 15x98,5 mm.
	<b>TCDMUD1-20</b> Ena Cad Disc Multilayer UD1 20x98,5 mm.		<b>TCDMUD3-20</b> Ena Cad Disc Multilayer UD3 20x98,5 mm.
	<b>TCDMUD2-15</b> Ena Cad Disc Multilayer UD2 15x98,5 mm.		<b>TCDMUD35-15</b> Ena Cad Disc Multilayer UD3,5 15x98,5 mm.
	<b>TCDMUD2-20</b> Ena Cad Disc Multilayer UD2 20x98,5 mm.		<b>TCDMUD35-20</b> Ena Cad Disc Multilayer UD3,5 20x98,5 mm.

