

METAL DISC

- Excellent biocompatibility
- Low thermal conductivity
- Semi-transparent X-ray
- Tensile strength 90000 to 100000 N/mm²



For CAD/CAM milling system



Titanium Disc For CAD/CAM

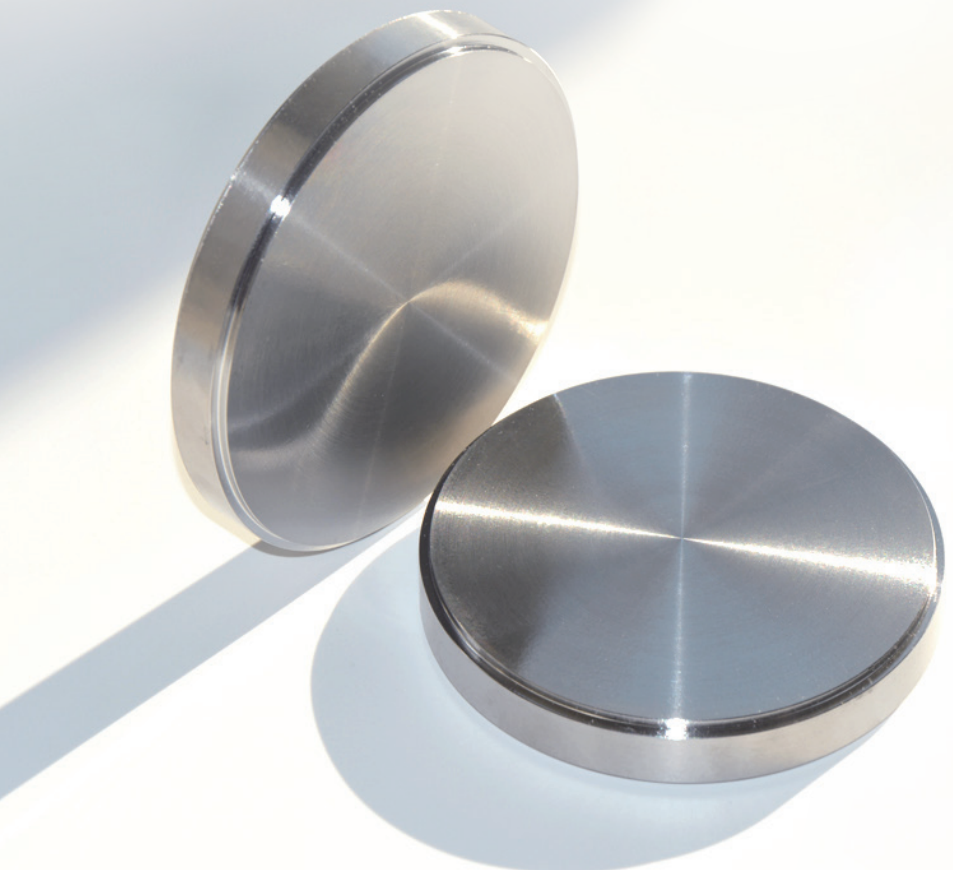
- ▶ Pure Titanium Disc/Titanium Alloy Disc is designed for the use of CAD CAM milling systems.
- ▶ This industrially manufactured material ensures consistent quality and is suitable for crowns and bridges in the anterior and posterior regions.
- ▶ Any type of veneering ceramics which are suitable for titanium can be used.
- ▶ Sizes available for diameter 98mm disks with or without step for height between 10mm and 25mm.
- ▶ It is more bio-safe, better casting property and excellent polishing property.

Composition:

	N	C	H	Fe	O	Al	V	Pa	Mo	Ti
Pure Titanium Disc	0.03%	0.08%	0.015%	0.3%	0.25%	/	/	/	/	bal
Titanium Alloy Disc	0.05%	0.08%	0.015%	0.4%	0.2%	5.5~6.75%	3.5~4.5%	/	/	bal

Parameter:

	Tensil strength(min)		Yeild strength(min)		Elongation(%)	Thickness	Indications
	Ksi	MPa	Ksi	MPa			
Pure Titanium Disc	50	345	40	275	20	98*10/12/14/16/18 20/22/25mm	Pure titanium porcelain teeth Pure titanium full crowns
Titanium Alloy Disc	130	895	120	828	10		Stents/Steel Supports/Implants



Cocr Disc For CAD/CAM

- ▶ High performance-price ratio, suitable for all types of processing systems to make metal inner crowns;
- ▶ High strength, good toughness, excellent wear resistance, and long clinical use time;
- ▶ Non-toxic, non-radioactive, excellent biocompatibility;
- ▶ High machining accuracy, $\leq 20\text{ }\mu\text{m}$;
- ▶ Fully automatic production, stable quality, replacing the traditional wax mold embedded casting and car gold, greatly simplifying the production process.

Composition:

	Co	Cr	Mo	Si	Mn	Fe	c	Others
Cocr Disc	66.0±2.0%	28.0±2.0%	5.0±1.0%	<1.0%	<1.0%	<0.8%	<0.8%	<2.0%

Physical parameters:

	Elongation strength	Tensile strength	Vickers hardness	Fixed line temperature	Density	Corrosion resistance	Liquidus temperature	Coefficient of expansion
Cocr Disc	500Mpa	≥800Mpa	270±30	1350°C	8g/cm³	<200µg/cm²	1400°C	14.5X10 ⁻⁶ K ⁻¹

Digital work flow:

DEPRAG Metal Disc is specifically designed for CAD/CAM milling systems,which can be used in DEPRAG digital work flow.From the initial intraoral scan right through to the final restoration, DEPRAG have validated workflows with equipment and materials for the whole process. Faster production times, higher quality, full technical and engineering support, through our dealers and ourselves, worldwide 24/7 service through us and our distributors.



Intraoral Scanner



Design



Milling



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