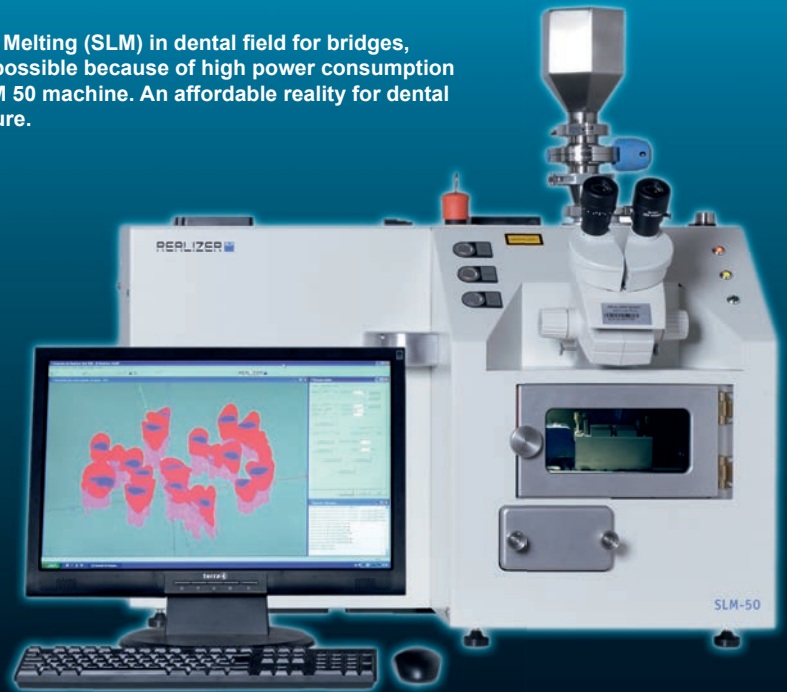


SLM 50

As digital technology continues to evolve, so has Selective Laser Melting (SLM) in dental field for bridges, brackets, model casting and many other situations. What was impossible because of high power consumption of SLM machines has become possible with the first Desktop SLM 50 machine. An affordable reality for dental laboratories, providing exact fits and maintaining the alloy structure.

SLM 50

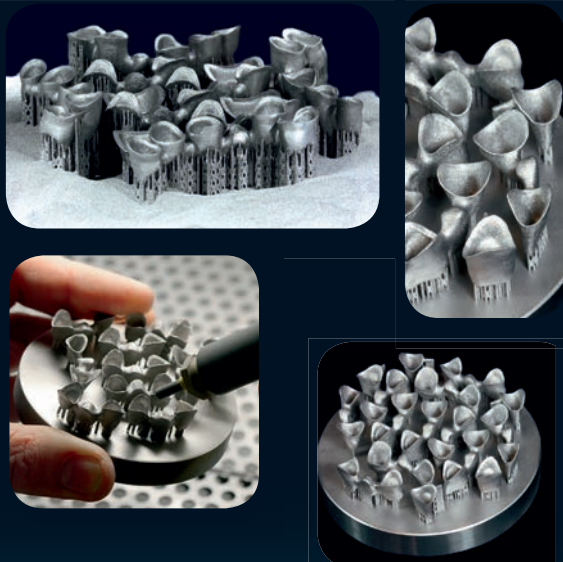
Size:	800 mm width 700 mm depth 500 mm height
Maximal size of produced part:	Ø 70 mm 40 mm height
Thickness:	20 my - 50 my
Fibre laser:	up to 100W
Argon consumption:	ca. 30 l / h



Advantages of SLM 50:

- compact size of a desktop machine
- high quality fibre laser "Made in Germany"
- production of up to 120 units a day
- gracile constructions with minimum layer thickness of 20 my can be produced
- economical, only minimal material used
- time saving
- less adapting work

This desktop SLM 50 machine fits in with the existing SLM 100 and SLM 250 series.



SLM 100

Size:
900 mm width
800 mm depth
2400 mm height

Maximal size of produced part:
125 mm x 125 mm
100 mm height

Thickness:
20 my - 100 my

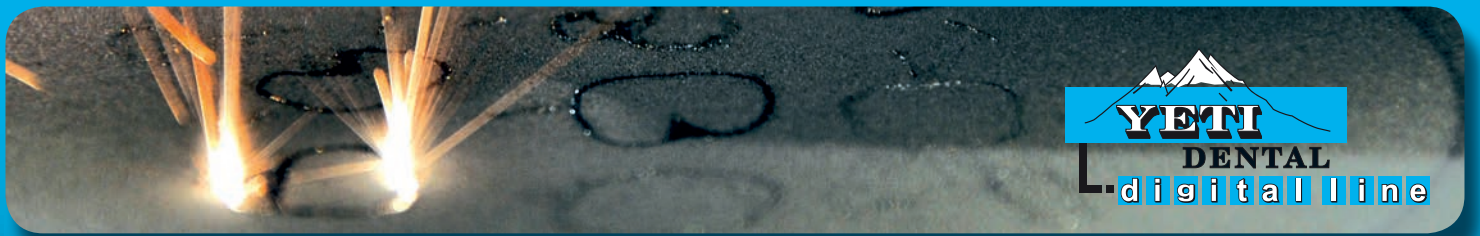
Fibre laser:
up to 200 W

Argon consumption:
approx. 35 l / h



Delivery takes place after intensive consultation and training of user.

We will be glad to make you a tailored offer your requirements.



SOLIBOND C plus Powder
Cobalt-Chrome alloy for laser based applications

An important component to SLM machines is the alloy powder, crucial for the quality of laser melted products.

Solibond C plus powder with its spectrum of -10 / +63 my is produced in Germany with strict quality controlled production under inert gas. Each Lot is released to market, only after achieving the optimum test criteria.

The popular alloy SOLIBOND C plus is registered worldwide and already enjoys a high level of customer confidence. SOLIBOND C plus is highly recommended for use with the SLM 50 machine and the powder stays constantly dry and free-flowing.

- exact fitting
- smooth surface of produced items
- fine and homogeneous alloy structure

SOLIBOND C plus Powder
5000 g
969-5000

Co	Cr	Mo	W	Nb	Si
63%	24%	2,9%	8,1%	0,9%	1,1%



digi LAB 3D Wax Printer

It is possible to create anatomical crowns, bridges, dentures, implants or model casting works in a very short time using construction software. You transfer digital data to LAB 3D Wax Printer and it produces layer by layer a high-precision casting object in wax. Printed wax object will be invested as usual and can be pressed or melted in a material of your choice.

- inner size: 152.4 X 152.4 X 50.8 mm
- unit size: 558 mm X 495 mm X 419 mm
- connection: USB 2.0

*There is a rapid development especially in the field of dental scanner.
Please contact us to find optimal solution tailored to your wishes.*



Scan Active

- light-stripe scanner
- extremely fast and fully automatic scanner
- very short scan time and calculation time
- highly precise results through 3D calibration
- accuracy up to 10 µm
- output as open STL-file

Technical data:

Dimensions ca. (WxLxH)	490 x 430 x 440 mm
Weight ca:	35 kg
Measuring field:	80 x 60 x 85 mm
Maximum model size:	ca. 90 mm diameter

SCAN

Easy Scan 3D

- big space for scanning
- easy to use – software assistant for scanning process
- menu navigation in almost every language
- it is possible to construct up to twelve copings with automatic margin line detection and form making within ten minutes
- modular software solution – you buy only software solution you really need
- best price-performance ratio



Digiscan-Spray

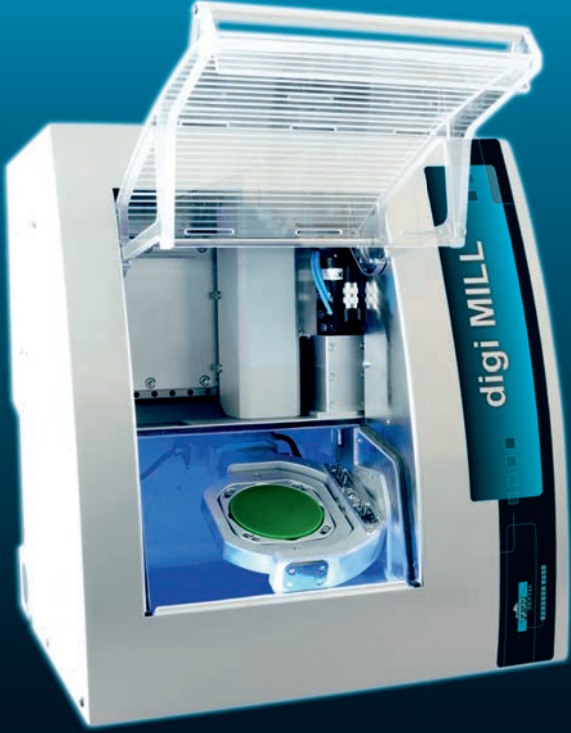
Digiscan-Spray is an indispensable addition for the modern laboratory. Ultra fine spray layer makes the correction after scanning much easier. Digiscan-Spray can be applied onto silicone, die stone, wax or alloy. Economic 300ml spray.

- eliminates reflections and reduce digital artifacts
- very fine spray
- one layer can be applied onto another
- smooth surface
- significantly better scan results
- easy to remove without leaving any residues





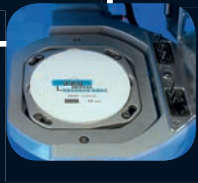
digimill5 milling machine



- suitable for wax, zircon, non-precious alloys, plastic and composite
- 5- axle milling machine for dry milling
- simultaneously functioning axes
- technologically prepared for wet grinding
- problem-free milling of undercuts through 30° inclination (B-axis)
- optimized CAM-software - files in an open STL-format
- highest accuracy and finish quality (repeat accuracy ± 0,0003 mm)
- automatically tool changer with 16 slots
- sturdy design and thorough that low vibrations
- easy and intuitive to use
- for blanks Ø 98,5 mm with a height of 10 - 30 mm
- connections for external suction (suction can be offered optional)
- compressed air 7 bar
- required milling can be ordered separate in the strengths 0,6 mm, 1,0 mm and 2,0 mm

Measures:
490 x 445 x 540 mm (WxLxH)

Weight: ca. 75 kg – without the blank changer
- optional available with a blank changer



Overview CAD / CAM blanks

Strength	Content	Metal	Zircon		Wax				
			classic	translucent	grey	beige	white	blue	green
		Solibond C plus blank			normal hard (hardness 2)	hard (hardness 3)	hard (hardness 4)	hard (hardness 4)	elastic (hardness 1)
					slightly elastic microwax				Model casting
Article number		969-....	396-....	397-....	791-....	792-....	793-....	794-....	795-....
10,0 mm	1 pc	....9010	....0010	....0010					
12,0 mm	1 pc	....9012	....0012	....0012					
13,5 mm	1 pc	....9013							
14,0 mm	1 pc		....0014	....0014	....0014	....0014	....0014	....0014	
	12 pc						....0114	....0114	
15,0 mm	1 pc	....9015							
16,0 mm	1 pc		....0016	....0016					
18,0 mm	1 pc		....0018	....0018					
20,0 mm	1 pc		....0020	....0020	....0020	....0020	....0020	....0020	....0020
	12 pc						....0120	....0120	
22,0 mm	1 pc		....0022	....0022					
25,0 mm	1 pc		....0025	....0025				....0025	....0025
30,0 mm	1 pc							....0030	....0030

Hardness (hardness grade) 1 to 4 = 1-elastic hard up to 4 very hard

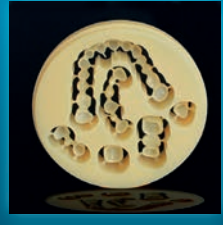
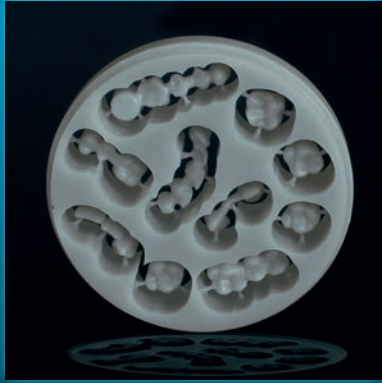


CAD / CAM wax blanks

- the stability of the wax composition allows the milling cutter to work on the narrowest space
- homogeneity of the surfaces – mirror-smooth surfaces
- the melting point of 120°C excludes the danger of melting of the wax chippings
- produced from residue-free, temperature stable and investment compatible micro-waxes

CAD / CAM wax blanks for partial dentures

- Stable in form and volumes
- Break-resistant
- Sharp contours



K2 zircon blanks classic white or translucent

Pre-sintered and yttrium stabilized zircon blanks for crowns and bridges

- Very high biocompatibility
- homogeneous density and finer grain size for smooth surfaces
- highly stable edges
- one sintering process for white or translucent

Grain size:	< 0,5µ
Breaking resistance:	9-10 MPa m 1/2
Bending strength:	900 – 1100 MPa
CTE:	10,6
Density white classic:	6,08g / cm ³
Density translucent	6,05g / cm ³
E-Module:	200 GPa
Vickers hardness:	1000-1300



Solibond C plus blank CoCr alloy (non precious)

- for ceramics
- biocompatible
- laser-capable
- quick polishing and surface gloss
- optimal bonding with ceramics

Vickers hardness	280HV
Elongation	10,1%
CTE (20 – 600°C)	14,0 (x10 -6 K -1)
CTE (25 – 500°C)	13,9 (x10 -6 K -1)



Co	Cr	Mo	W	Nb	Si
63%	24%	2,9%	8,1%	0,9%	1,1%



CAD / CAM Scan wax, beige

Laser-opaque and light-opaque sculpturing wax for CAD / CAM technique.

- guarantees excellent scanning results and exact fitting
- highly opaque wax for optimal scan data
- excellent as block out wax
- superb modeling qualities

Color: beige
Contents: 45 g

CAD / CAM Scan wax, beige 729-5000



YETI SINT sintering furnace for zirconium oxide

- the heating and cooling phases till 70°C / min
- duration of sintering process less than 120 minutes
- till 1650°C for translucent zirconium oxide
- special speed heating elements prevent green discoloration
- speed firing sagger included



Overall dimensions (W x H x D)
385 x 720 x 500

Capacity:
1 sagger Ø100 x 35 mm

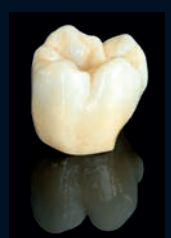
Temperature max.:
1650 °C

Electrical connected load max.:
1900 W

Heating time:
1 – 70°C / min
(adjustable)

Weight: 58 kg

Further economy furnaces without speed function
on request!



Please contact us, we will be happy to advise you!

YETI Dentalprodukte GmbH · Germany · www.yeti-dental.com · info@yeti-dental.com

Errors and omissions excepted.