

## carao Print System

Quick, precise, economical:  
full-cycle efficiency for 3D printing.

Giving a hand to oral health.



**KULZER**  
MITSUI CHEMICALS GROUP

## cara Print System

Greater efficiency for the entire 3D printing workflow.

cara Print System is a 3D printing process that offers truly unique benefits to improve the efficiency and profitability of dental labs with solutions ranging from indication-specific resins and a 3D printer, to hands-free part washing and light-curing.

By itself, the 3D printer cara Print 4.0 already saves laboratories time and delivers replicable results with a perfect fit. The cara Print System, however, looks beyond the 3D printer to simplify, automate and accelerate the entire workflow of 3D printing with intuitive software and time-saving devices that empower technicians to focus on their core business.

Leverage new efficiencies across the entire workflow:  
Do more in less time.

### **Roland Binder, Dental Technician, Germany**

A master dental technician since 2001, Roland Binder is an authority on CAD/CAM technology and laboratory digitalization.

He is regular contributor to various specialist publications and is active as a trainer throughout Germany.





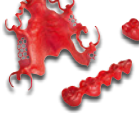






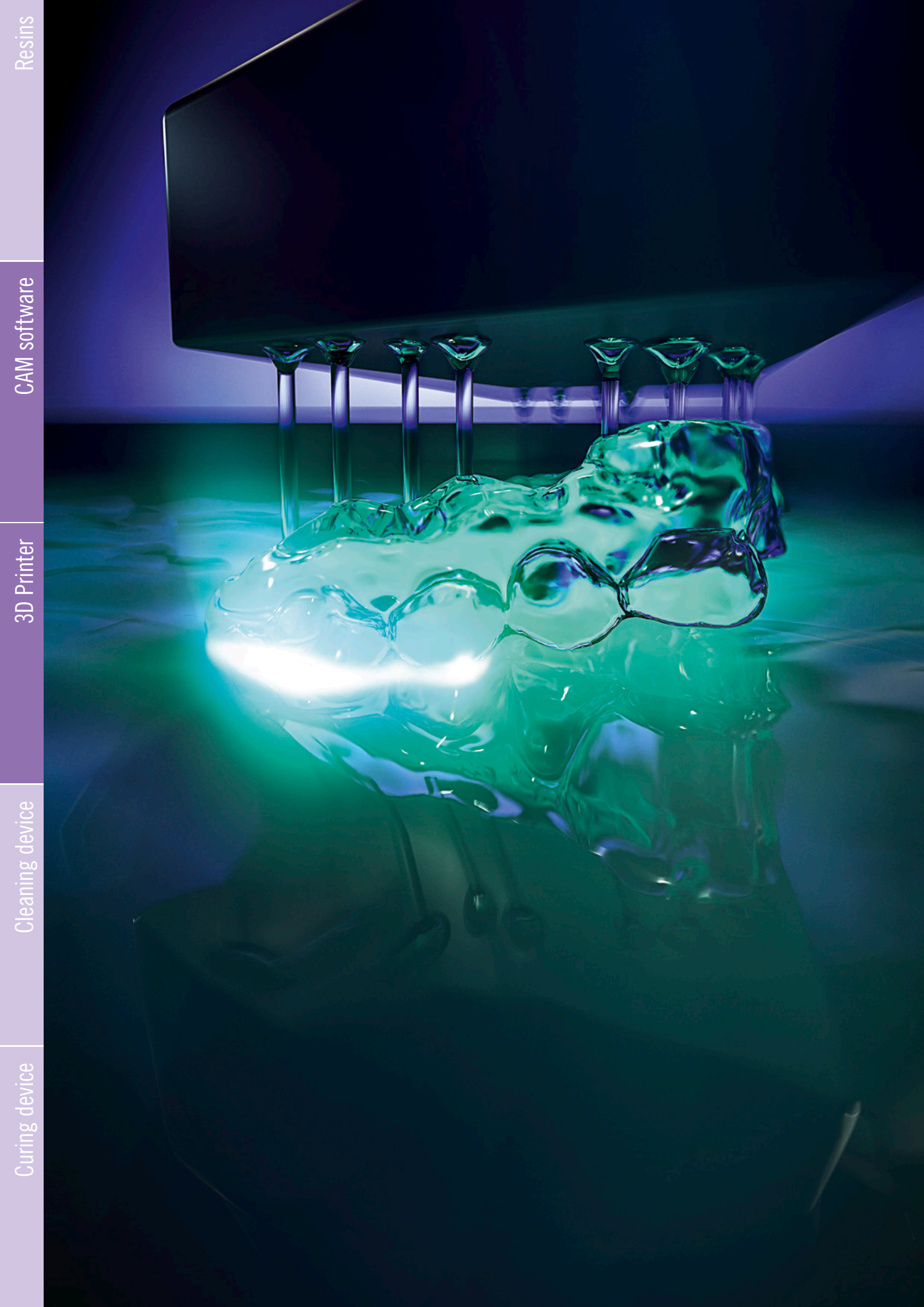
*“dima Print Stone is the best model material on the market and the cara Print System makes the whole process much more efficient.”*

# dima Print Materials

Light-curing resins tailored to the needs of each indication.

dima Print materials ensure excellent clinical results and high efficiency for each indication. The cara print system and the materials are perfectly geared to each other.

	Model		Gingiva mask	Nightguard/ splint	Casting structure	Individual impression tray	Implant drilling guide
							
<b>Product name</b>	dima Print Stone beige	dima Print Stone teal	dima Print Gingiva Mask	dima Print Splint clear	dima Print Cast ruby	dima Print Impression blue	dima Print Guide
<b>Indication</b>	<ul style="list-style-type: none"> <li>Situation model</li> <li>Section model</li> <li>Ortho model</li> <li>Implant model</li> </ul>	<ul style="list-style-type: none"> <li>Orthodontic model</li> </ul>	<ul style="list-style-type: none"> <li>Gingiva mask for models</li> </ul>	<ul style="list-style-type: none"> <li>Functional splint</li> <li>Nightguard</li> </ul>	<ul style="list-style-type: none"> <li>C&amp;B (up to 5 units)</li> <li>Partial denture</li> <li>Press ceramic</li> </ul>	<ul style="list-style-type: none"> <li>Impression tray</li> </ul>	<ul style="list-style-type: none"> <li>Surgical dental drilling guides</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>High precision for implant models</li> <li>Heat resistance suitable for deep drawing</li> <li>Aesthetic color for veneering</li> <li>Matte surface finish</li> <li>Color: gypsum beige</li> </ul>	<ul style="list-style-type: none"> <li>Extra high heat resistance, ideal for deep drawing</li> <li>Strong contrast to metal wires</li> <li>High surface hardness</li> <li>Extra high printing speed</li> <li>Easy to grind if necessary</li> <li>Color: teal</li> </ul>	<ul style="list-style-type: none"> <li>Reproduction of fine details</li> <li>Elastic deformation/behavior</li> <li>Flexible</li> <li>Tear-proof</li> <li>Silicon-free</li> <li>Color: pink</li> </ul>	<ul style="list-style-type: none"> <li>High accuracy</li> <li>High elongation at break</li> <li>High wearing comfort</li> <li>Color: transparent clear</li> </ul>	<ul style="list-style-type: none"> <li>Very fluid with no sedimentation</li> <li>Flexible clasps</li> <li>Highly precise and clean crown edges</li> <li>Residue-free burnout for good casting results</li> <li>Comparable to milled cast material (PMMA)</li> <li>Smooth metal/cast surfaces</li> <li>Color: red</li> </ul>	<ul style="list-style-type: none"> <li>High layer thickness and fast printing</li> <li>Color: blue</li> </ul>	<ul style="list-style-type: none"> <li>High precision</li> <li>Indicator for sterilization by changing color</li> <li>High stiffness</li> <li>Color: orange, after sterilization light transparent orange</li> </ul>
<b>MD class</b>	Not applicable	Not applicable	Not applicable	Ila	Not applicable	I	I
							
<b>Product name</b>				dima Print Ortho	dima Print Cast		
<b>Indication</b>				<ul style="list-style-type: none"> <li>Splint</li> </ul>	<ul style="list-style-type: none"> <li>Partial denture</li> </ul>		
<b>Features</b>				<ul style="list-style-type: none"> <li>High accuracy</li> <li>High flexural strength</li> <li>Color: transparent blue</li> </ul>	<ul style="list-style-type: none"> <li>High precision</li> <li>High green stability</li> <li>Burn out without residue</li> <li>Color: raspberry</li> </ul>		
<b>MD class</b>				Ila	Not applicable		



Curing device

Cleaning device

3D Printer

CAM software

Resins

## cara Print 4.0

The 3D printer developed by dental experts.

cara Print 4.0 offers dental professionals more freedom in design and a faster method of producing polymer-based dental restorations in-house. As a more cost-effective alternative for several indications, cara Print 4.0 is the perfect supplement to milling and meets the accuracy requirements of all polymer-based restorations.

- One hour or less to print most restorations
- Simultaneous printing of multiple restorations
- Digital Light Projection (DLP) generates each layer in a single flash
- Additive process means minimal waste compared to milling
- Long lasting resin trays (600+ prints)
- Easy resin refill system
- Freedom in geometry and design



INKL.  
CARA PRINT  
CAM  
SOFTWARE

Watch this short  
introduction  
of cara Print 4.0:  
[kulzer.com/  
cara-print-teaser](http://kulzer.com/cara-print-teaser)



## cara Print Clean

The new way to wash.

Normally, freshly printed restorations are cleaned by hand – unless you have Kulzer's part washer: cara Print Clean. Just remove the print platform from cara Print 4.0 and place it in cara Print Clean with the restoration attached and without any contact to the uncured resin, so you can focus on other tasks while it handles the cleaning.

- Clean without removing restoration from platform
- Option to place restorations on a separate part tray (option for all photopolymer printers)
- Minimal use of cleaning solvent reduces costs as compared to other systems
- 2-chamber system & automatic drainage protects the objects' geometry
- Avoids unpleasant odors
- Washes prints in 5 minutes on average



### Full-workflow service

Users of the cara Print System can rely on comprehensive service and support that covers the entire workflow. This valuable benefit makes it much easier to get tips and advice for each step of the process.

**Please contact your local sales representative.**

## HiLite® power 3D

Light polymerization, developed for 3D printing.

We present you an all-rounder light curing unit with an user-friendly design, a reliable and strong flashlamp. Ideal for polymerising light-curing 3D print materials.

### Technical Features

- 2nd time mode for composite AND 3D printed material
- Easy operation – single button timer control
- 6 polymerization times (6, 90 and 180 seconds / 5, 10 and 15 minutes)
- Blue process timer control LEDs
- High-power flash bulb with long life performance
- Efficient cooling management
- Safety door lock
- Worldwide voltage power supply
- Wide range of light from 390–540 nm
- Short polymerisation times

### Presentation

- HiLite Power 3D with flashlamp and chip card
- Filter glass
- Pot-shaped reflector
- Object holder
- Mains cable Europe, US/JP
- 2x model tray



### Technical Data

Mains voltage: 100/115/230V (via voltageselector switch)  
 Rated frequency: 50–60Hz  
 Flash lamp power: 200W  
 Fuse protection: T6,3A  
 Power consumption: 325VA  
 Dimensions (HxDxW). 230x345x225mm  
 Weight: app. 9.5kg  
 Protection rating: Class I  
 Power-on time: 80 %

Art.-No.: 6606 9514

Stay informed of our latest additions to the cara Print System at [kulzer.com/cara-print](http://kulzer.com/cara-print)



## cara i500

Digital precision meets process reliability.

- Facilitates communication and cooperation between dental office and lab
- Compatibility and flexibility through open STL/OBJ/PLY data format
- Straightforward download of the digitized data into the CAD software
- Start designing the restoration as soon as possible – without shipping costs, time loss, and storage requirements
- Easy and secure communication between dentist and lab via digital data



### Contact in Germany

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