



exocad GmbH

# Information

## CAD Component Library Services

[exocad.com](https://www.exocad.com)



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## exocad Library Services

exocad's constantly expanding verified component library databases contain a leading number of supported dental components. It is important to support the newest dental innovations right from the start. That's why we support our partners, official resellers, and dental component manufacturers to make the integration process of new and updated component systems as easy and efficient as possible.

Our services take care of tasks like library creation, validation and integration into our software platform and includes exocad's thorough manual testing process that is unique to exocad's approach of *Quality First* - libraries. It is ideal for partners who want to focus on their core competencies and do not want to bother learning exocad library concepts.

We offer the following services. Additional services are planned and will be announced in the future.

- 1 CAD Component Library Services for *DentalCAD* & *ChairsideCAD*
- 2 Implant Library Service for *exoplan*
- 3 Surgical Component Library Service for *exoplan Guide Creator*
- 4 Tooth Library Service for *DentalCAD Full Denture*
- 5 Material Library Service
- 6 Partner Software Branding (postponed)
- 7 Technical Consulting

This document covers the workflow for one service. Refer to our separate price list document for pricing information and further service details.

### 1 CAD Component Library Services (DentalCAD / ChairsideCAD)

We offer a service to create the necessary exocad libraries based on the geometry data of the actual components and additional information. Our CAD component library services currently include services for the integration of Abutment components (Titanium Bases, Multi-Units, Standard Abutments, Scanbodies), Attachments and Lab analogs for *Model Creator*. We perform the checking, validation and integration of the finished library into our web-based download portal and in-software *Library Manager*. Once integrated, the library can be accessed by exocad users worldwide and your brand and products will be visible throughout our software systems.

#### 1.1 Service Details

Your assigned integration specialist will perform the following tasks during our services. Other tasks are not part of our standard update service and will require an individual offer based on the actual workload.

##### 1.1.1 Abutment component libraries – Initial Standard Creation (1 A C)

- STL data & Excel file check
- Library creation  
(up to 30 component entries in multiple libraries, additional components are subject to an effort-based fee)
- Library file format conversion & Library signing
- Library integration (exocad download portal & exocad *Library Manager*)
- Announcement of availability via exocad *News Bites* newsletter

##### 1.1.2 Abutment component libraries - Standard Update (1 A U)

- Library check-up
- Remove components from library, Update article numbers
- Adding FDA clearance information to library (if necessary)
- Rename system or supplier, Replace supplier Logo, Change the link from the supplier's website

### 1.1.3 Lab analog libraries for Model Creator - Standard Creation & Update (1 M)

- STL data & Excel file check
- Library creation (up to 20 model lab analogs, additional lab analogs are subject to an effort-based fee)
- Library file format conversion & Library signing
- Library integration (exocad download portal & exocad *Library Manager*)
- Announcement of availability via exocad *News Bites* newsletter

## 1.2 How to get your CAD components integrated or existing libraries updated

1	<p><b>Obtaining your project ticket number</b></p> <p>We work with a ticketing system. We have sent you an email with this document via this system. It automatically assigns a ticket number to the project. Remember this ticket number for the following steps. Always use the reply function of your email program to answer our messages without changing the subject line of the email. This ensures the quickest response times as you stay within your defined project.</p>
2	<p><b>Choose your service type based on component type</b></p> <p>We currently offer the following library services:</p> <ul style="list-style-type: none"> <li>- Order no. 1 A C - Abutment component libraries – Initial Standard Creation</li> <li>- Order no. 1 A U - Abutment component libraries –Standard Update for existing exocad libraries</li> <li>- Order no. 1 M - Lab analog library creation or update for <i>Model Creator</i></li> <li>- Order no. 1S – Signing without integration for your personal usage</li> </ul> <p>Notify us about the service that you are interested in.</p>
3	<p><b>Create / Check your component shapes</b></p> <p>You create the geometries (.STL files) of your library that meets our specification. We provide a specification document “Creating Implant Geometries”. This document helps you to generate implant data suitable for integration with exocad. It’s important to strictly follow our specification. Please contact your integration specialist via our ticket system if you face problems in understanding our specification.</p> <p><a href="http://customer.exocad.com/exocad_Instruction_Manual_Creating_Implant_Geometries-en.pdf">http://customer.exocad.com/exocad_Instruction_Manual_Creating_Implant_Geometries-en.pdf</a></p>
4	<p><b>Optional: Meeting &amp; FAQ</b></p> <p>We offer to schedule a Microsoft Teams meeting with our integration specialist to clarify our specification as well as explaining the required parameters (see next step). Notify us if you are interested in this option.</p>
5	<p><b>Prepare shape geometries and fill in parameter list</b></p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="177 1491 871 1912" style="width: 48%;"> <p><b>Order no. 1 A C / 1 A U - Abutment component libraries</b></p> <p><b>5A</b> Download the Excel file <a href="#">exocad_DentalCAD_Component_Part_Information</a> and provide us with the required information for each component (Manufacturer, Article Number/Order Code, and Official Product Name) for all scanbodies, titanium bases and premill blank components.</p> <p><u>Note:</u> If any of your submitted components are marketed in the U.S., fill in the correct 510(k) numbers. The resulting Abutment Component libraries will be made available within our U.S. software version.</p> </div> <div data-bbox="871 1491 1477 1912" style="width: 48%;"> <p><b>Order no. 1 M - Lab analog library for <i>Model Creator</i></b></p> <p><b>5M</b> Download the Excel file <a href="#">exocad_DentalCAD_Labor_Analog_Information</a> and fill in the compatibility of lab analog shapes related to abutment components in existing libraries.</p> <p>We need the following shape geometries to be able to create a lab analog library:</p> <ol style="list-style-type: none"> <li>1. Implant lab analog mesh: This is the digital replica of your implant lab analog and is used for visualization purposes.</li> <li>2. Retention mesh: It represents the geometry of the</li> </ol> </div> </div>

	<p><b>5B</b> Switch to the table tab "Mesh Groups". It is necessary to know which mesh geometries are aligned to each other. For example, a Titanium base with the filename "Ti-base_1.stl" is aligned with the meshes "Screw_1.stl" "Lab_Analog_1.stl" "Scan_body_1.stl" and "Connection_geometry_1.stl". Add those groups of meshes to the list. For more information about the required mesh geometries, refer to our specification (step 3).</p> <p><b>Send us the filled in Excel file to complete this step.</b></p>	<p>cavity in the physical model in which the actual</p> <p><b>Note:</b> The retention mesh in the lab analog library and the scan abutment geometry in the standard implant library shall be in the same coordinate system and correctly aligned to each other.</p> <p><b>Send us the filled in Excel file to complete this step.</b></p>
	<p><b>Note:</b> If you are using any protected brand name for your components or your company name (Manufacturer), make sure to enter the correct trademark or registered trademark symbol (®™). exocad will not check the correctness of your submitted wording and cannot be held responsible for any violation of trademark rights in this context.</p>	
<p><b>6</b></p>	<p><b>Submit shape geometries in correct coordinate system</b></p> <p>We will provide you with a file upload link. Send us your shapes and data ownership confirmation (see note) to complete this step.</p> <p><b>Note:</b> When sending us your data, confirm that it contains geometries created and distributed by you and that the geometry is based on the actual geometry of an existing physical part. We need written confirmation that you own all rights to distribute the data as well as a confirmation that the geometries are not modified in scaling of length or diameter to avoid data theft as agreed upon in our license agreement.</p>	
<p><b>7</b></p>	<p><b>Service Offer &amp; Acceptance</b></p> <p>Your integration specialist will create an offer for the CAD Component Library Service based on the given input data. See chapter 1.1 for included services and refer to our price list for pricing information. Order the service by signing our offer via DocuSign. You can change the signing responsibility within DocuSign to assign the agreement to the correct person within your company: <a href="#">DocuSign: How to change signer</a>.</p>	
<p><b>8</b></p>	<p><b>Medical device certification</b></p> <p>A valid ISO 13485 certification or comparable medical device certificates according to your country (certification must be valid for the manufacturer who is also named as the manufacturer on the product packaging) needs to be presented. A scan, PDF or picture attachment is sufficient. Send us your medical device certification to complete this step.</p>	
<p><b>9</b></p>	<p><b>License Agreement</b></p> <p>To enable us to use your data within our software systems, it's required to form a License Agreement.</p> <p>You will receive a second DocuSign link after signing the service offer. You can then review and sign the agreement. After that, DocuSign sends you the verified signed PDF Version. Ensure that the agreement is signed by the manufacturer who is also named as the manufacturer on the product packaging. Sign the License Agreement to complete this step.</p>	
<p><b>10</b></p>	<p><b>exocad Library Creation</b></p> <p>Our integration specialists will create your abutment components libraries based on the given Excel sheet. The libraries will be categorized either by the diameter of the titanium base (NP, RP, WP etc...) or by the name of the scan body, depending on the Excel sheet. If questions occur during the creation process, our specialist will contact you directly.</p>	
<p><b>11</b></p>	<p><b>Optional: Test license for <i>DentalCAD</i></b></p> <p>If you want to test the final libraries, you can request a test license of our software. A reduced fee is charged for this license. To request or update your test license, send a separate email to <a href="mailto:integration@exocad.com">integration@exocad.com</a> with the subject: "Test license for library integration, ticket *YourTicketNumberFromStep1*". <i>DentalCAD</i> can be downloaded in our <a href="#">Secure Area</a> in the section "Software". The login credentials will be provided when applying for a <i>DentalCAD</i> license.</p>	

## 12 Finalization by exocad Library Testing & Validation

All libraries for our medical device software *DentalCAD* undergo an in-depth internal testing and validation process. The process ends with securing your .stl files against alteration and signing your *DentalCAD Abutment components or Lab Analog libraries* to prevent unauthorized modification. This throughout internal testing process involves manual labor and is unique to exocad's approach of *Quality First*- libraries. Please understand that this process might take some time to get it right.

After the testing and validation process is finished your *DentalCAD* implant libraries will become available for download on our [website](#) and within *Library Manager*.

## 1.3 Maximum partner waiting time limit

Every library service project has a maximum partner waiting time limit of **two (2)** months. If our integration specialist is waiting for a response to an email that is causing delay of the integration project for more than two months, the project will be canceled. Any further work needs a complete restart of the service, including the necessary fees. The exact date of the integration specialists' email is decisive. We will inform you one week before the waiting time is over. This time limit can be raised upon decision by the integration specialist.

## 1.4 Frequently asked questions

Visit this direct link to our Partner information website for our most up to date FAQs:

<https://exocad.com/integration/partnerinfo>