

DESIGNING JEWELRY WITH COMPUTER BOOK

with MATRIXGOLD

VOL.1
Author Press Release - April 2025

Department of Education

www.matrixgoldbook.com

Press Release No.2

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DESIGNING JEWELRY WITH COMPUTER BOOK

WITH "MATRIX GOLD"

VOL.1

Written and published by Mohammad Mortazavi, this book is the only available step-by-step walkthrough for Gemvision Matrix Gold software providing the 3D jewelry designers with the most complete instructions of what they need to know while operating Matrix Gold...

Step-by-Step Instructions: The tutorials explain everything a jewelry 3D designer needs to know about the modeling techniques in the most detailed and professional way plus full step-by-step tutorial of Matrix Gold functions, toll, abilities, etc.

Fast and Simple Techniques: In addition to the details a 3D artist needs to know, there are several various simple techniques tutored in this book which will help the designers to model their jewels in the fastest and easiest possible ways.

Complete Text-Visual Tutorials and more: Every exercise is completely detailed in both text and image, providing the artists with useful information not only about the 3D modeling subjects, but also about standards they need to perform in their career and much more.

The instructions provided in this book are not limited to 3D modeling; but they also include various methods of Gem settings and tend to different hints you need to keep in mind while trying to design models of high quality and standard. Every exercise comes with detailed steps so even the designers with no experience can follow.

Everything you need to perform during your design progress is explained in details with visual samples of every step to make sure that the students are not missing anything.

The international standards of the measurements you must follow in your design are listed in charts and explained with tips and techniques of casting for better understanding.

The progress of designing every model from easiest to the most complicated ones are detailed in measurements you need to maintain for manufacturing.

There are several exercises of various ring, pendant, earring, etc. models so students can learn and practice modeling of different jewelry types and face their challenges.

Every exercise will teach you some new sets of commands and help you practice the previous ones so you can model more complicated projects in the future by combining the tools and techniques you learn along the way.

In Addition to all the modeling tutorials, a comprehensive instruction is provided for rendering with Cycles engine which is the latest engine in Matrix software.

Rendering tasks are completely explained in full details including material types, the tutorial for every setting and configurations, camera angle, resolution, etc. so you can have the most realistic and professional render of your project following these instructions.



Manufacturing Jewelry and Gem Setting

Introduction of different Gem Settings

Bead, Melee & Granite setting



Bead and prong setting is one of the most useful gem-setting methods for round gems, generally small and medium-sized. In this method, the gems are restrained and held by tiny cylinders, in the future referred to as eBeads or eProngs.

There are two common ways to extract gems

Bead Setting:

Bead Setting:

The setter pulls the prongs out of the gold surface and bends them on the gens using special setting tools. The thickness of the gold under the gens in this method should be at least 1 mm or between 60 and 70 percent of the gen's diameter so that the setter can make the prongs from the surface of the gold. To design this style, the designer only has to create the holes under the gen's in the computer, and the resort of the gold. On the surface the gen's diameter so that the setter can take the prongs from the surface of the gold. To design this style, the designer only has to create the holes under the gen's in the computer, and the resort of the work is done by the setter.

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Ready-Made Prong:

The prongs are made during the design process and are bent on the germs after construction by the setter. One of the advantages of this method is that







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Standard chart size of Prongs for natural gems The table solver has been cropped as with its help you can set the prorps directly and his get covering to the description has. The table is complete to the form of the table is complete, the first behavior of the table is a complete process for distribution when it is with measuring as:

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Editing Style Settings











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About Mohammad Mortazavi

Award-winning jewelry designer, Instructor, and Author, S.Mohammad Mortazavi (also known as Saeed Mortazavi) started his career in jewelry industry in 2006.

In 2009, he won his first jewelry design award and since then he has won more than 12 jewelry design awards in the most prestigious international jewelry design awards in Hong Kong (IJDE), and A 'Design awards in Italy.

He is the Author of 4 jewelry design books of more than 1500 pages in total.

Saeed was a judging committee member in 7 jewelry design awards in Thailand, UAE, and Italy. He established his Jewelry Design Academy in 2015 and has instructed more than 10000 students withing 15 years of his teaching experience.

He was a speaker and lecturer in first, second and third jewelry designer's forums in the Middle East in 2018, 2015, and 2019 in the UAE. His Contemporary, Bold, and Avant-guard designs have



been covered in many Medias, TV channels, Magazines like Vo +- Solitaire Magazine, Jewelry Review, Trend Book 2025, and many more medias.



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