

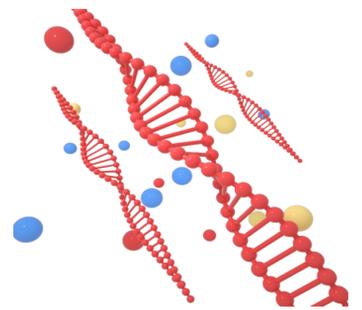
Biomedicine - Titanium

Titanium metal is the most important application material in the metal category of biomedical materials.

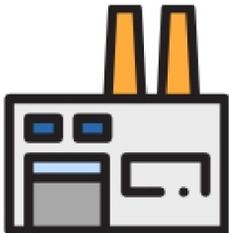
The continuing contact the tissues, body fluids, blood, and even become a **part of the body**, the characteristics like **corrosion resistance**, **fatigue resistance** are more important needed to be consider in the **biocompatibility** of the materials.

Not only because of the **excellent corrosion & high temperature resistance**, but also the **non-toxic** reaction makes Titanium can **stability integrate** with the body. Efficacy, showing excellent biocompatibility.

Especially used in orthopedics, dentistry, and cardiovascular stents.



Density & Quality



Titanium has high strength, light weight, high melting point, and different melting casting techniques. Often cause **mold damage** during the production process. The more serious is that improper cooling damage, makes the sample deformed and softened, and have **uneven and leaving indentations**, which seriously affects the quality.

If it applied to the human body, it will cause dislocation, rejection or even ulceration.

How to reduce and avoid quality instability and soaring production costs?

The first condition to consolidate quality is to thoroughly explore the overall density.

From the **mixing of raw materials** to the **processing of the manufacturing process**, each step is to make the finished product close to the density of the application site as the goal.

Means that the need to make **high-stability** biomedical components is not only the choice of titanium metal, but also the tracking of its production process.

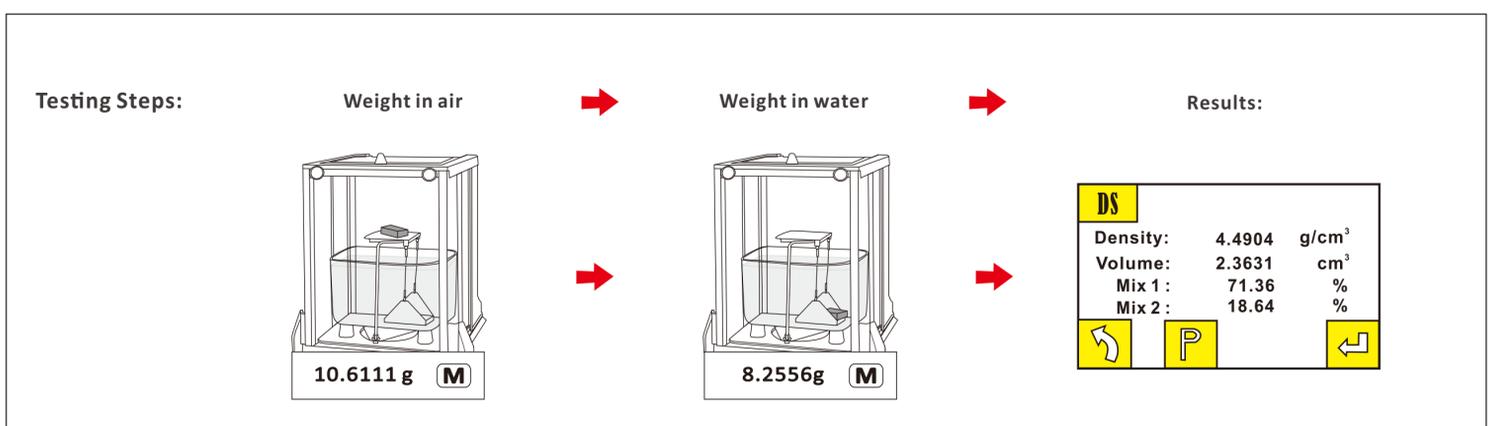


What MatsuHaku Do:

We specially launched the models that specialize in testing biomedical materials.

All non-absorbent materials can directly display the product **Density, Volume and Mixing Ratio** mode detects the mixing ratio.

MatsuHaku Density Tester for Biomedical control shrinkage, abrasion, hardness, and conditions that lead to deformation, cracking, and decomposition of parts for you!



MatsuHaku Density Tester Keep You Aware Of

1. **Reduce** the cost and the **Defect** loss
2. Fit the international **Standard**
3. Make sure the quality **Stable**



*With MatsuHaku Density Tester
Quality control is more easier than you thought*