

In the below table there are the alloys proposed by Nobil Metal as per catalog. They can be produced in powder (alloys and/or solders) with particular compositions and granulometry distribution required by the customer.

### Atomized alloys with customized granulometry:

| JEWELLERY ALLOYS | Au    | Pd  | Ag  | Cu  | Zn | Ni |
|------------------|-------|-----|-----|-----|----|----|
| Standard 2N      | 750   | 0   | 160 | 90  | 0  | 0  |
| Yellow 3N        | 750   | 0   | 125 | 125 | 0  | 0  |
| Pink 4N          | 750   | 0   | 90  | 160 | 0  | 0  |
| Red 5N           | 750   | 0   | 50  | 200 | 0  | 0  |
| White Pd 150     | 750   | 150 | 40  | 60  | 0  | 0  |
| White Ni         | 750   | 0   | 0   | 135 | 30 | 85 |
|                  |       |     |     |     |    |    |
| Gold 999,9       | 999,9 | 0   | 0   | 0   | 0  | 0  |
|                  |       |     |     |     |    |    |
| Silver 925       | 0     | 0   | 925 | 75  | 0  | 0  |
|                  |       |     |     |     |    |    |
| Silver 999       | 0     | 0   | 999 | 0   | 0  | 0  |

| DENTAL ALLOYS   | Au    | Pd  | Ag  | Cu  | Zn  | In |
|-----------------|-------|-----|-----|-----|-----|----|
| Keromit Bio 998 | 998,0 | 0   | X   | 0   | X   | X  |
| Pal Keromit 3-S | 40    | 627 | 200 | 0   | 0   | 15 |
| Pal Keromit     | 0     | 574 | 320 | 0   | 0   | 10 |
| Ortho           | 0     | 0   | 590 | 160 | 259 | 0  |
|                 |       |     |     |     |     |    |
|                 | Co    | Cr  | W   | Mo  | Si  | Nb |
| Keromit NP-S    | 630   | 240 | 80  | 30  | 10  | 10 |

The dental atomized alloys NOBIL METAL are certified and CE marked since 1998.

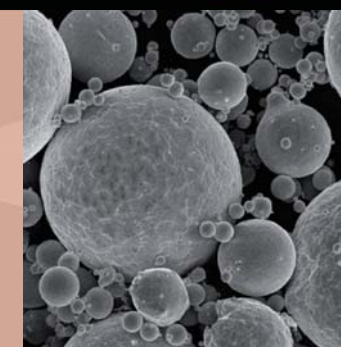
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*"a smile makes the difference"*

Since 1988 Nobil Metal produces atomized metals and precious alloys. More than 25 years of experience in this field assure expertise, quality and service.



Alloy in powder: a special production of Nobil Metal

More than 25 years of experience  
A technology for several applications

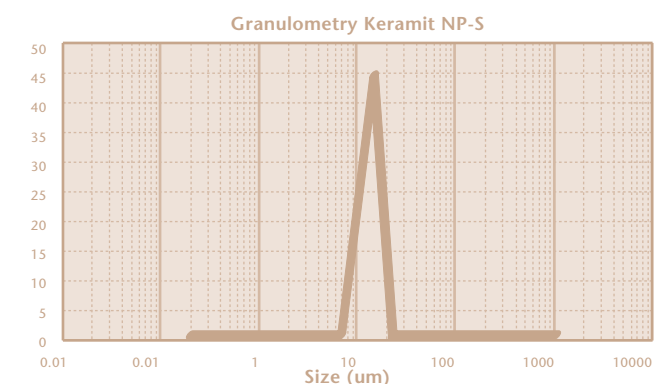


Since the company foundation in the 1950s, the production of dental alloys and solders has been the core business of Nobil Metal: in 1988 it was one of the first dental companies in the world to experience the production of dental alloy powders by the atomisation process made in a protected atmosphere and in vacuum induction melting.

This technology is characterized by the perfectly spherical, non-oxidized and homogeneous powder, i.e. each grain maintains the typical composition of the alloy with the associated physical-mechanical properties. The particle size distribution can be individually adapted to the different applications.

Over 25 years' experience, several patents, steady development in collaboration with universities and research institutes, allow us to optimize our production for the applications in powder metallurgy field:

- MIM (Metal Injection Molding)
- Laser Sintering
- SLM (Selective Laser Melting)
- LMD (Laser Metal Deposition)
- EBM (Electron Beam Melting)
- soldering techniques (powder and/or paste)



Perfectly spherical  
The importance of the quality control



The entire production process, from project planning to the production, is EN/ISO 9001-13485 certified. Each single batch is analyzed with the latest generation instruments:

- XRF Spectrophotometer
- ICP
- SEM
- Microtrac granulometer
- DTA analyses

They are some of the equipment and techniques used in the daily work to assure a steady quality level of Nobil Meta product, by maintaining the aknowledge ot this specific know-how.

Our laboratory of R&D is always available to support the needs and requests of the customer, sharing projects and developing new materials.