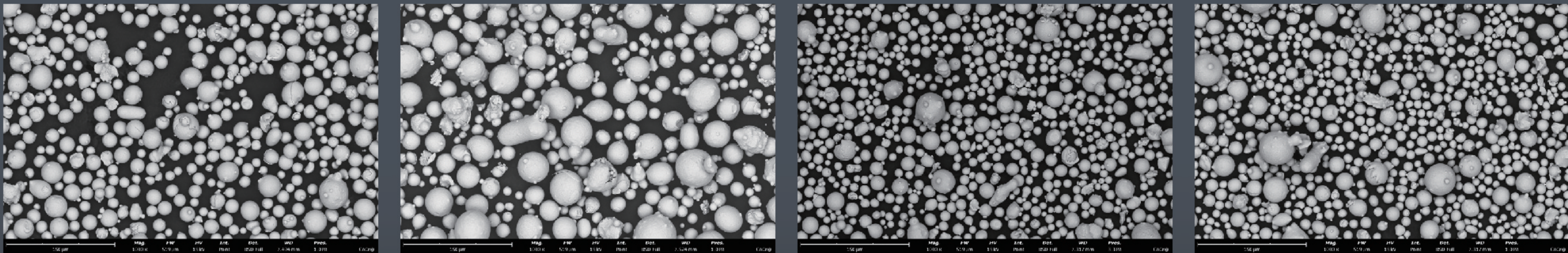


# COCR DENTAL ALLOY POWDER

| Performance                                       | Unit              |                                          |
|---------------------------------------------------|-------------------|------------------------------------------|
| Liquidity                                         | s/50g             | 15.9                                     |
| Bulk Density                                      | g/cm <sup>3</sup> | 4.76                                     |
| Tap Density                                       | g/cm <sup>3</sup> | 5.4                                      |
| Particle Size Distribution                        | μm                | D10:14 D90:53                            |
| Sphericity                                        |                   | 0.8                                      |
| Solidus and Liquidus Temperatures                 | ℃                 | 1403℃、1419℃                              |
| Young's Modulus X-direction, Z-direction          | GPa               | 199.5 (Z direction) 193.3 (XY direction) |
| Yield Strength (R0.2)                             | MPa               | 784.6 (Z direction) 792.8 (XY direction) |
| Ultimate Tensile Strength (R)                     | MPa               | 957 (Z direction) 1023 (XY direction)    |
| Elongation at Break (As) X-direction, Z-direction |                   | 14%, 17%                                 |
| Vickers Hardness (HV10) XY Direction, Z Direction | HV10              | 450、445                                  |
| Linear Expansion Co-efficient                     | 10 <sup>-6</sup>  | 14.1±0.3                                 |



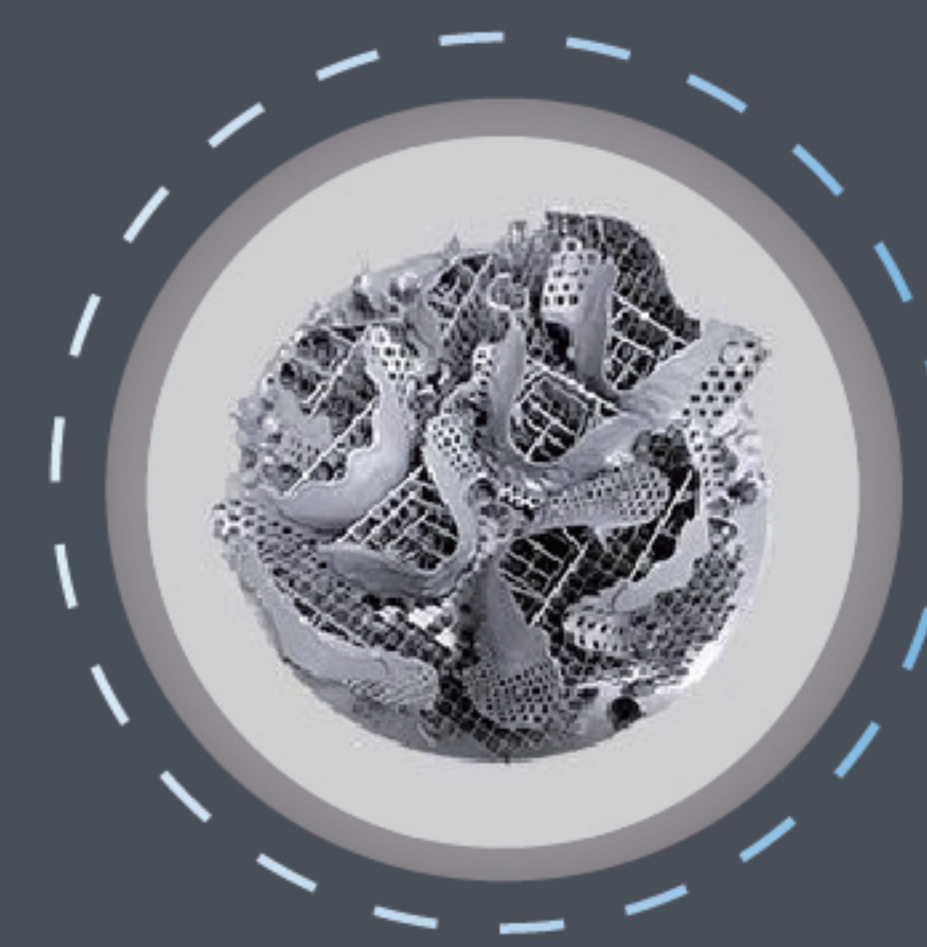
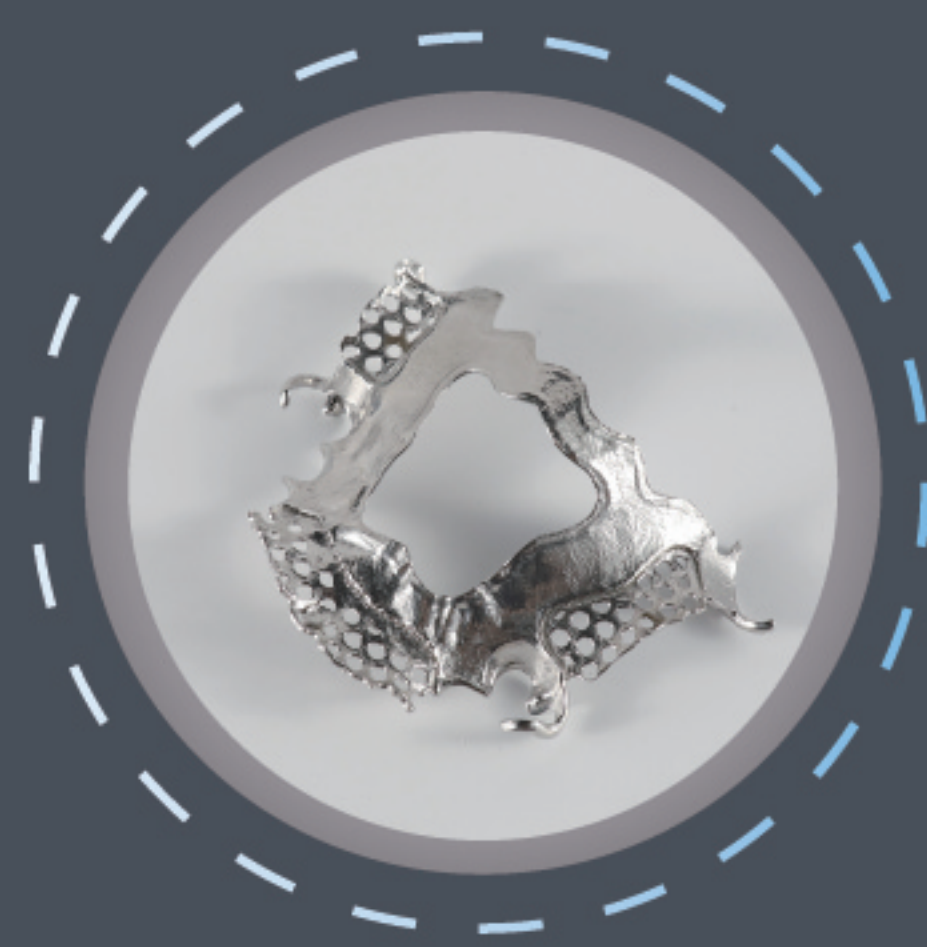


Chamlion CoCr powder is a Co-based dental alloy powder. It is solid-solution strengthened by adding Cr, W and other elements. It has good mechanical properties, and is corrosion resistant and bio-compatible.

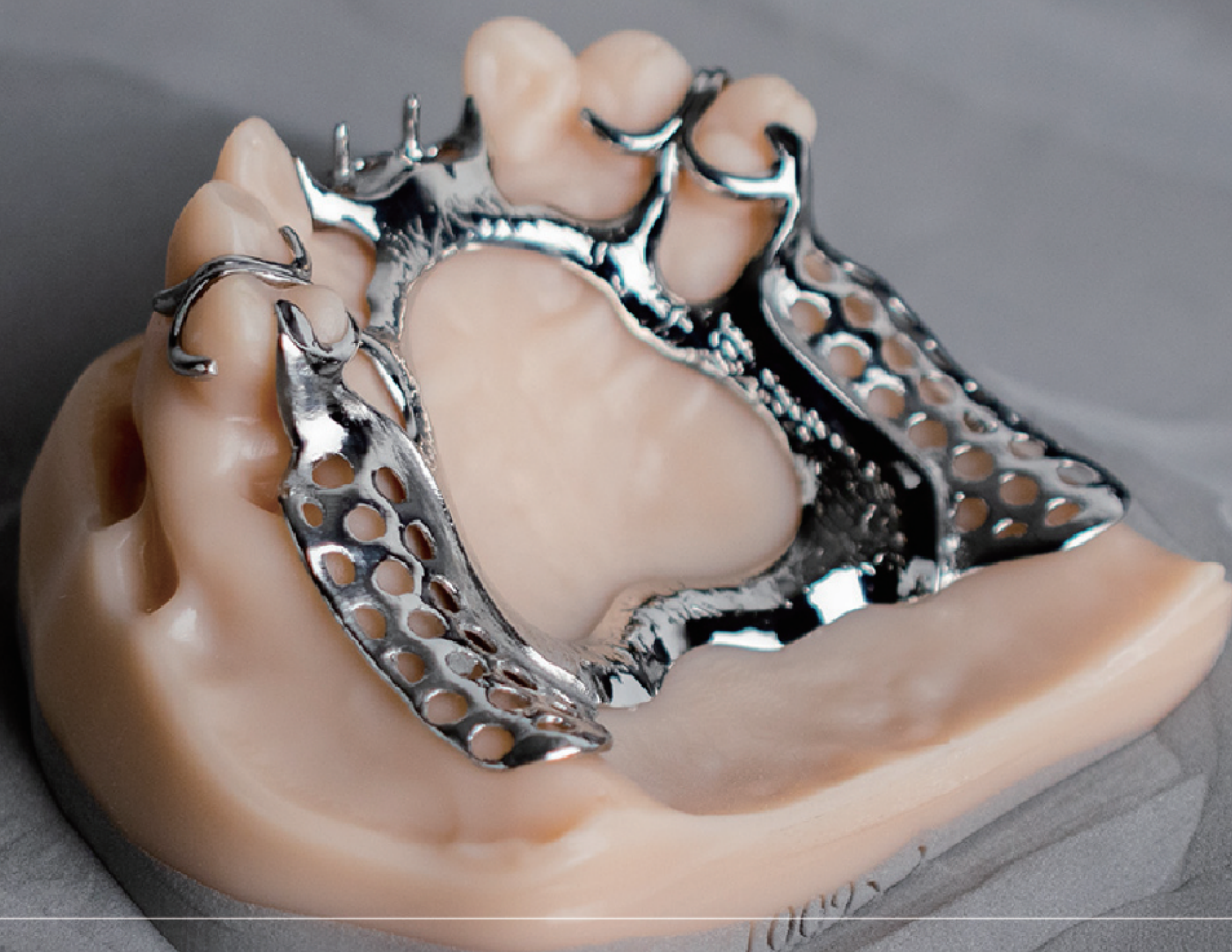
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## Advantages

- 1. No chipping or cracking
- 2. Good toughness of the clasp
- 3. Precise force control
- 4. Mature heat treatment process for crowns and partial frameworks



## Innovative Solution for Dental Market!



**Nanjing Chamlion Laser Technology Co., Ltd.**

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