

# CoCrMoW

Cobalt, chromium, molybdenum, and tungsten alloy especially designed for applications in the dental industry

## Key Features:

- > Excellent biocompatibility
- > Oxidation resistance
- > Excellent corrosion resistance

## Example Applications:

- > Ideal for production of dental bridge, dental crown, dental restorations, etc.
- > High-wear resistant applications

## [ Technical Data ]

### General Properties

<b>Density</b> <small>ISO3369</small>	≥8.55 g/cm <sup>3</sup>
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### Mechanical Properties

(As built)

<b>Tensile Strength</b> <small>ISO6892-1</small>	≥ 1150MPa
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<b>Yield Strength</b> <small>ISO6892-1</small>	≥ 800 MPa
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<b>Elongation after Fracture</b> <small>ISO6892-1</small>	≥ 6 %
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<b>Vickers hardness</b> <small>ISO6507-1</small>	n/a
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### Mechanical Properties <sup>1</sup>

(Heat treated)

<b>Tensile Strength</b> <small>ISO6892-1</small>	≥ 1050 MPa
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<b>Yield Strength</b> <small>ISO6892-1</small>	≥ 650MPa
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<b>Elongation after Fracture</b> <small>ISO6892-1</small>	≥ 10 %
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<b>Vickers hardness</b> <small>ISO6507-1</small>	≥310 HV5/15
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<sup>1</sup> For more information on heat treatment process, please contact us directly. Farsoon systems are open material platform. For special materials such as tungsten, tantalum and pure copper, please contact us with your inquiries or requirements.

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Dental Crown  
 System: FS121M  
 Partner: Pairui Dental

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