

超高强度钛铜箔(C1900R) ~抗拉强度1400 MPa~

Extreme high strength Cu-Ti foil (C1990R)

(Tensile strength 1400 MPa)

- 成功开发出了世界上铜合金箔中最高抗拉强度1400 MPa的钛铜箔。

JX Nippon Mining & Metals Corporation has successfully developed a titanium copper foil having the world's highest tensile strength for a copper alloy foil at 1400 MPa .

- 制造工序中进行调整, 制造出精度远高于同样厚度材料的合金。

高精度材料的提升了弹性的稳定性。

Higher thickness precision than conventional materials is achieved by optimization of the manufacturing processes.

This higher thickness precision in turn improves the stability of spring properties.

·化学成分 Chemical composition

Ti	Ti + Cu
2.9~3.4%(3.0% Nominal)	99.5%>

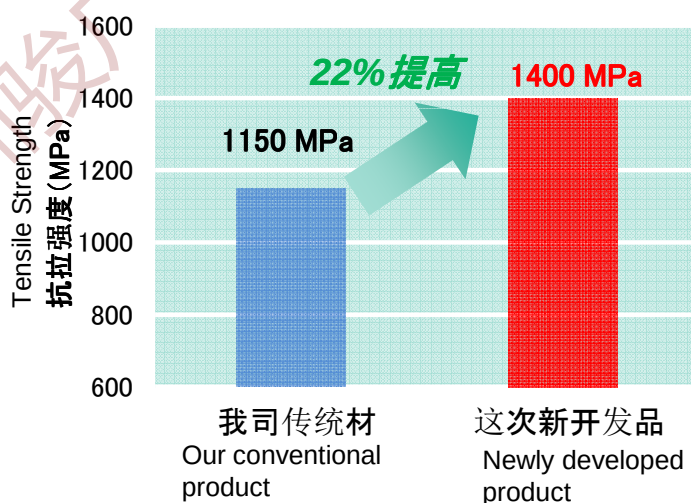
·机械特性和导电率

Mechanical property and electrical conductivity

质别 Temper	抗拉强度 Tensile strength (MPa)	硬度 Hardness (Hv)	导电率 Conductivity (%IACS)
XSH	1150	340	10
USH	1350	360	10
GSH	1400	400	10

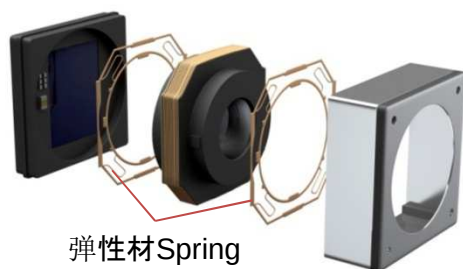
·高强度钛铜箔的强度

Strength of titanium copper foil



·高强度钛铜箔的采用例

Application example



弹性材Spring

相机自动变焦用镜头弹簧用途

Auto-focus camera module for cell phone

·厚度的统计 Thickness profile

