

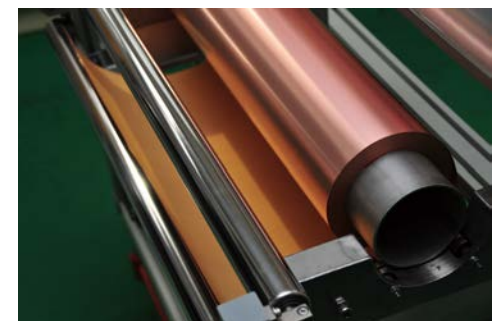
Particle Getter产品介绍

Introduction of PARTICLE GETTER

SEIEI CO.,LTD

PARTICLE GETTER

Introduction of PARTICLE GETTER



PARTICLE GETTER (PG) 是什么？

Introduction of PARTICLE GETTER

PG是、表面经过特殊加工的铜箔、代替传统的溶射加工品

将PG 贴到镀膜设备里的配件表面，有如下效果

1. 控制particle颗粒，（特殊表面加工吸收particle）
2. 抑制设备内配件表面的膜层剥离（铜箔表面的花纹可以缓和膜层的应力）

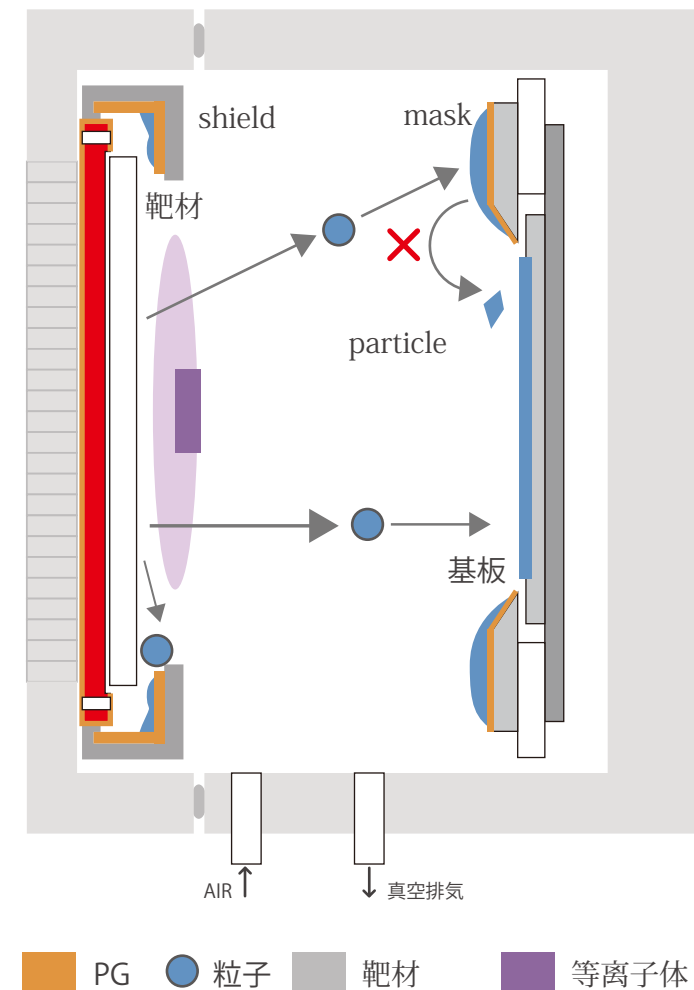
材质： 铜箔（99.9% 以上）

$\text{Na} \leq 0.1\text{ppm}$, $\text{K} \leq 0.1\text{ppm}$

表面加工： 平坦、纹路加工

厚度： $210\mu\text{m}$ 、 $140\mu\text{m}$ 、 $70\mu\text{m}$

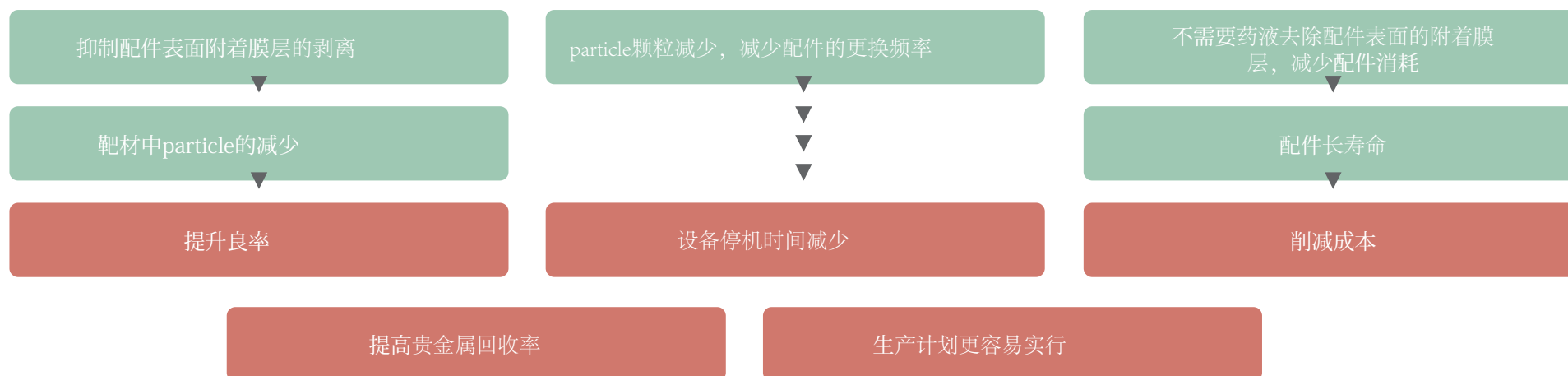
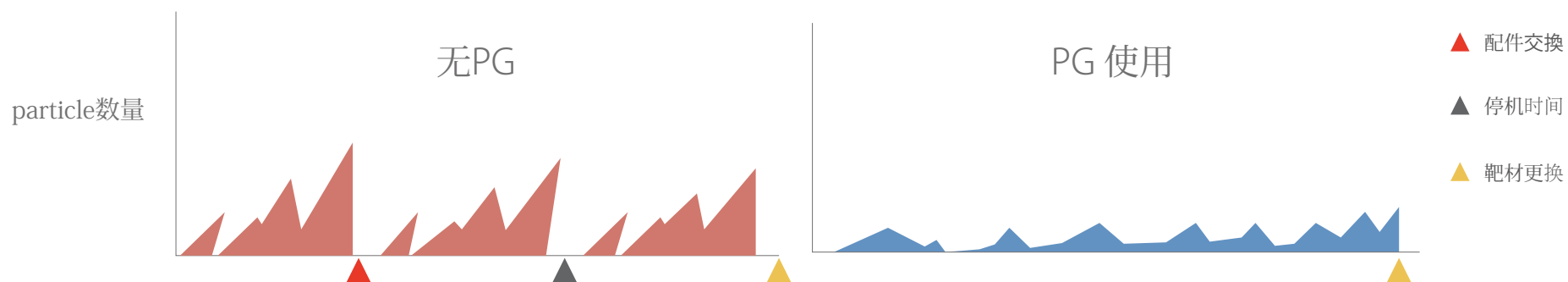
镀膜示意图



PG 实施效果

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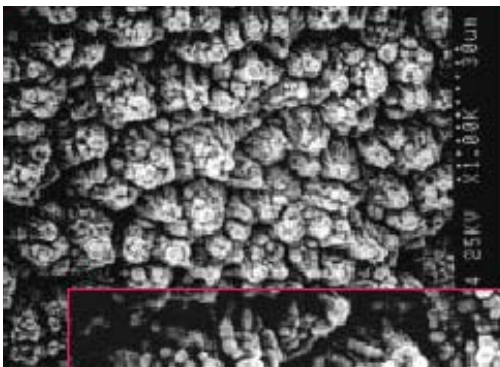
target life



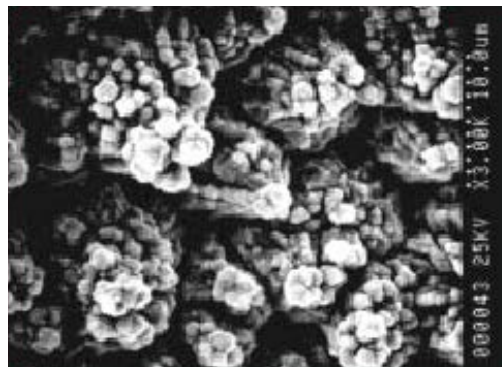
PG特性：固定效果

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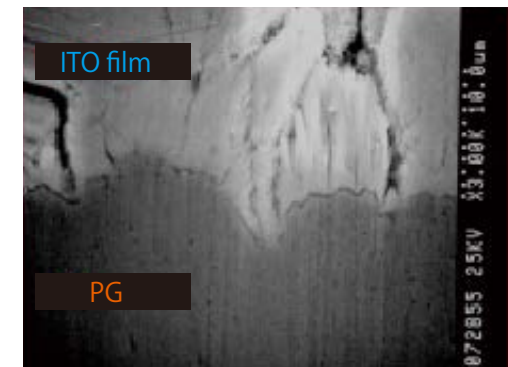
固定效果模式图



PG 和付着膜层界面强固定



PG / 附着后特有表面状态 (SEM)

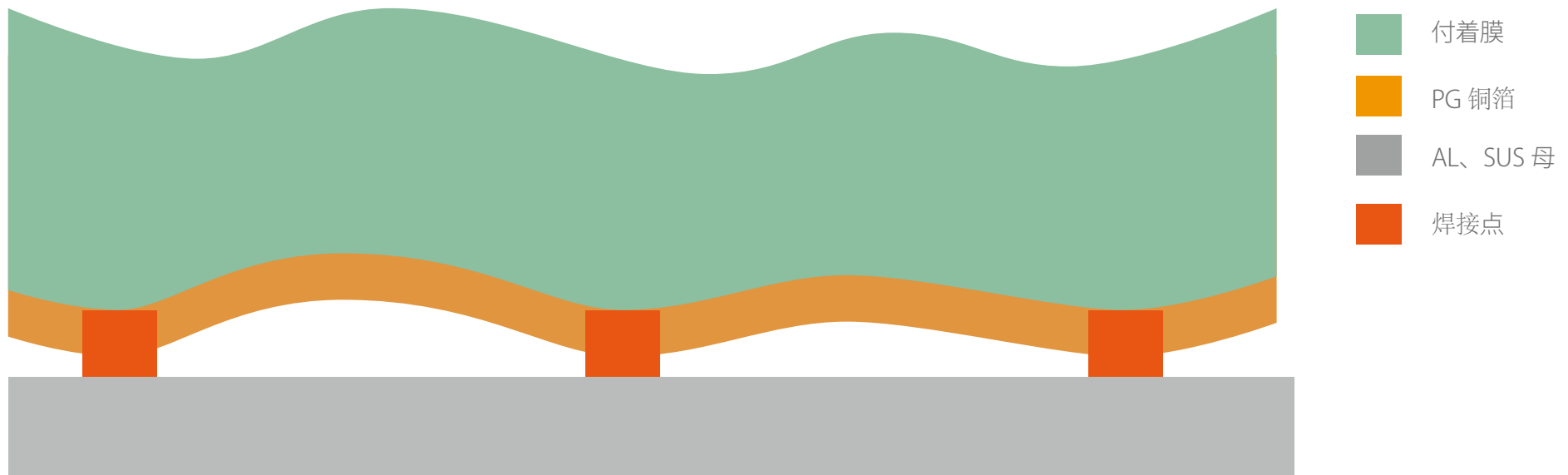


PG / 付着膜截面

PG特性：附着膜层压力缓和（1）

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随着附着膜层变厚，PG在焊接范围内变形，缓和附着膜层的压力。



仅有焊接点、PG 和配件有接触

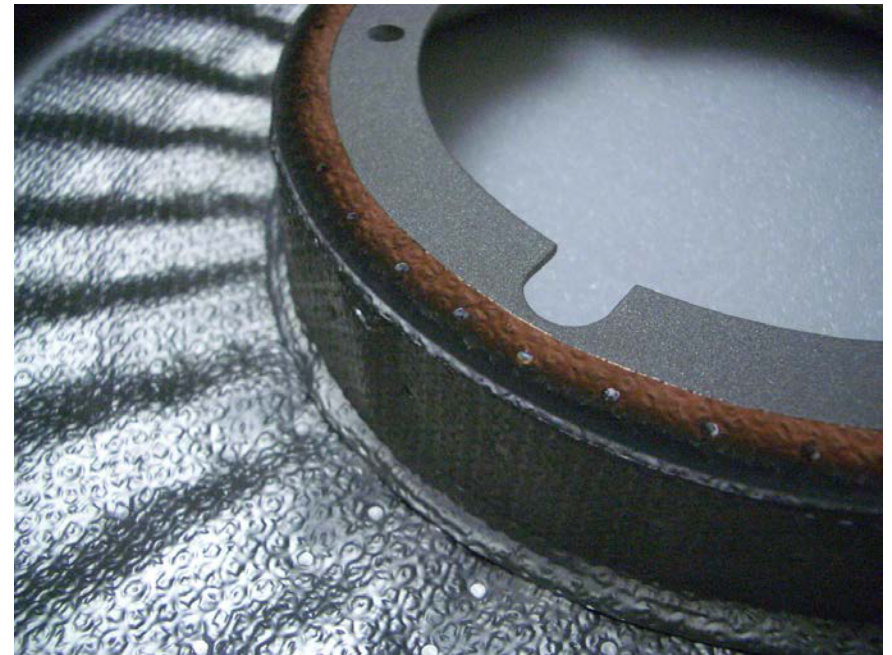
PG特性：附着膜层压力缓和（2）

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PG使用：镀膜前

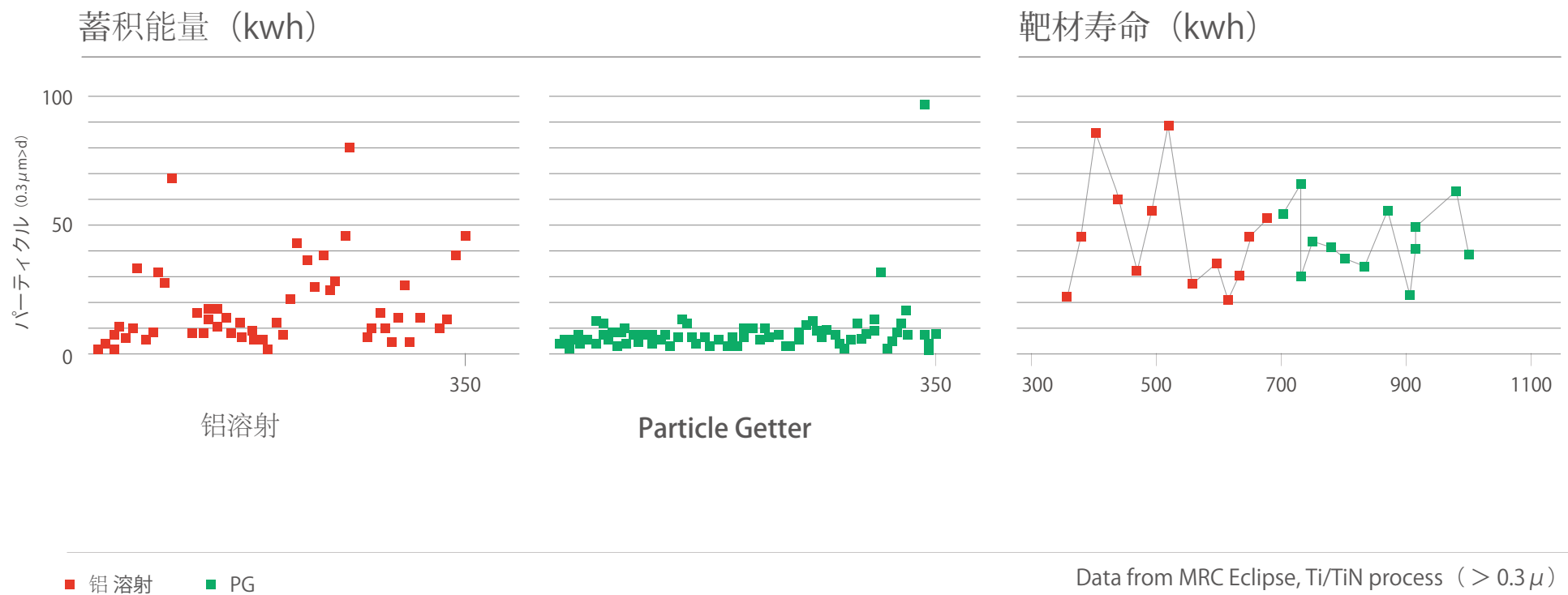


PG使用：镀膜后



PG和铝溶射的比较 (1)

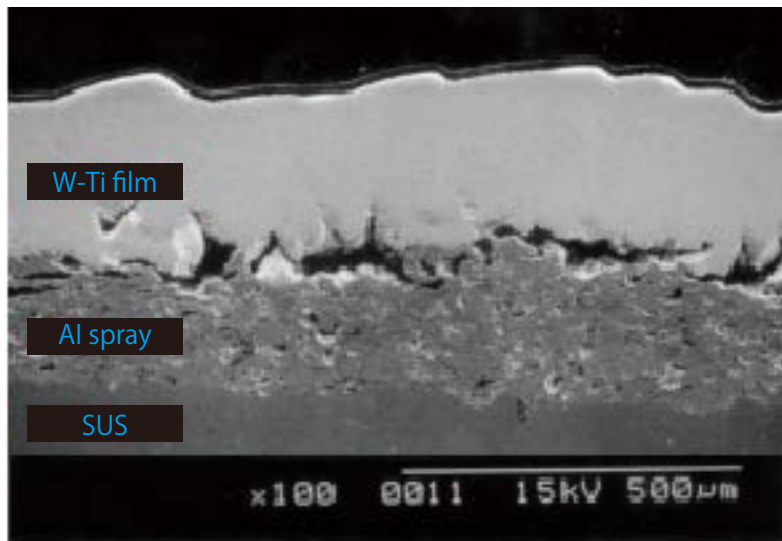
PARTICLE GETTER Case Example 2



PG和铝溶射的比较 (2)

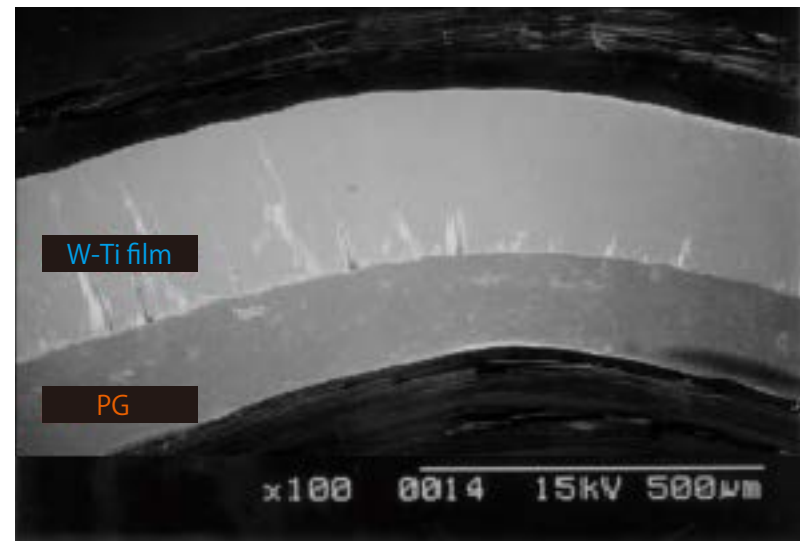
PARTICLE GETTER Case Example 4

SEM 附着膜：W-Ti



铝溶射

溶射铝配件的表面

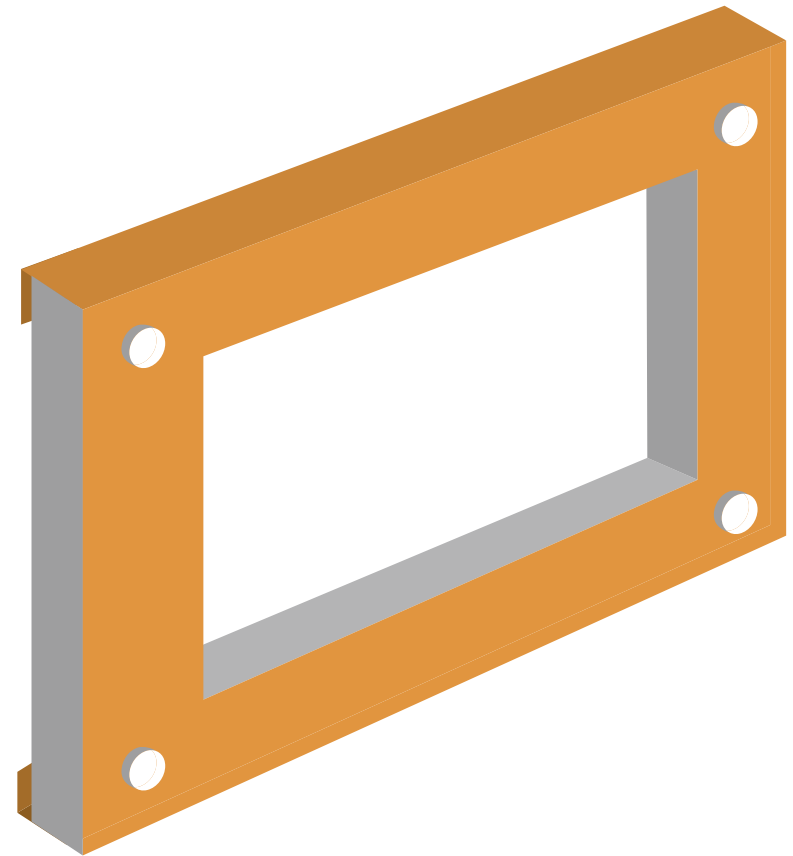
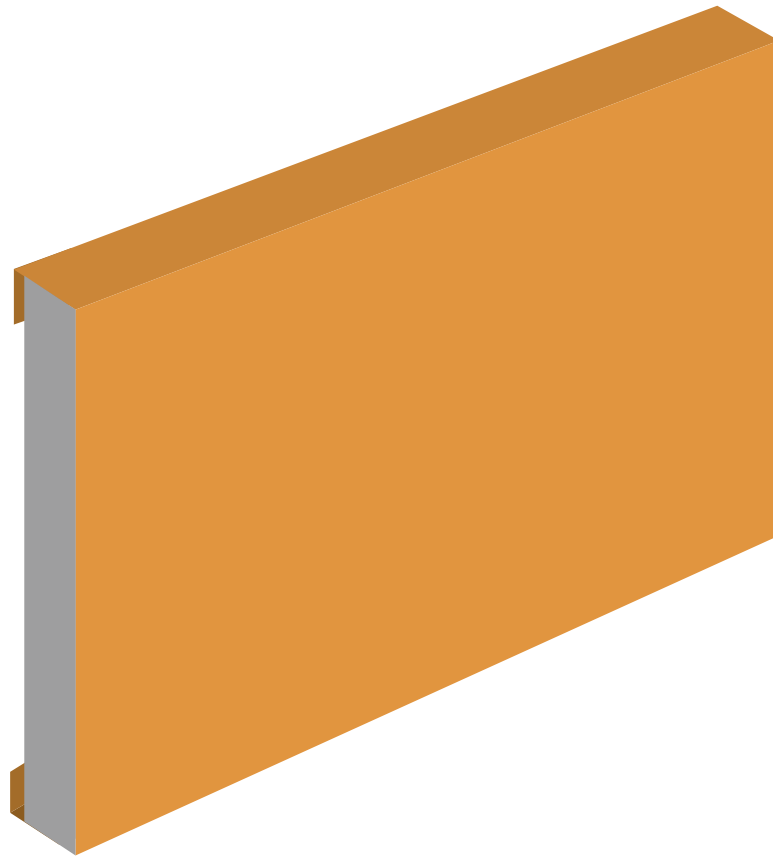


Particle Getter

PG 使用后铝配件的表面

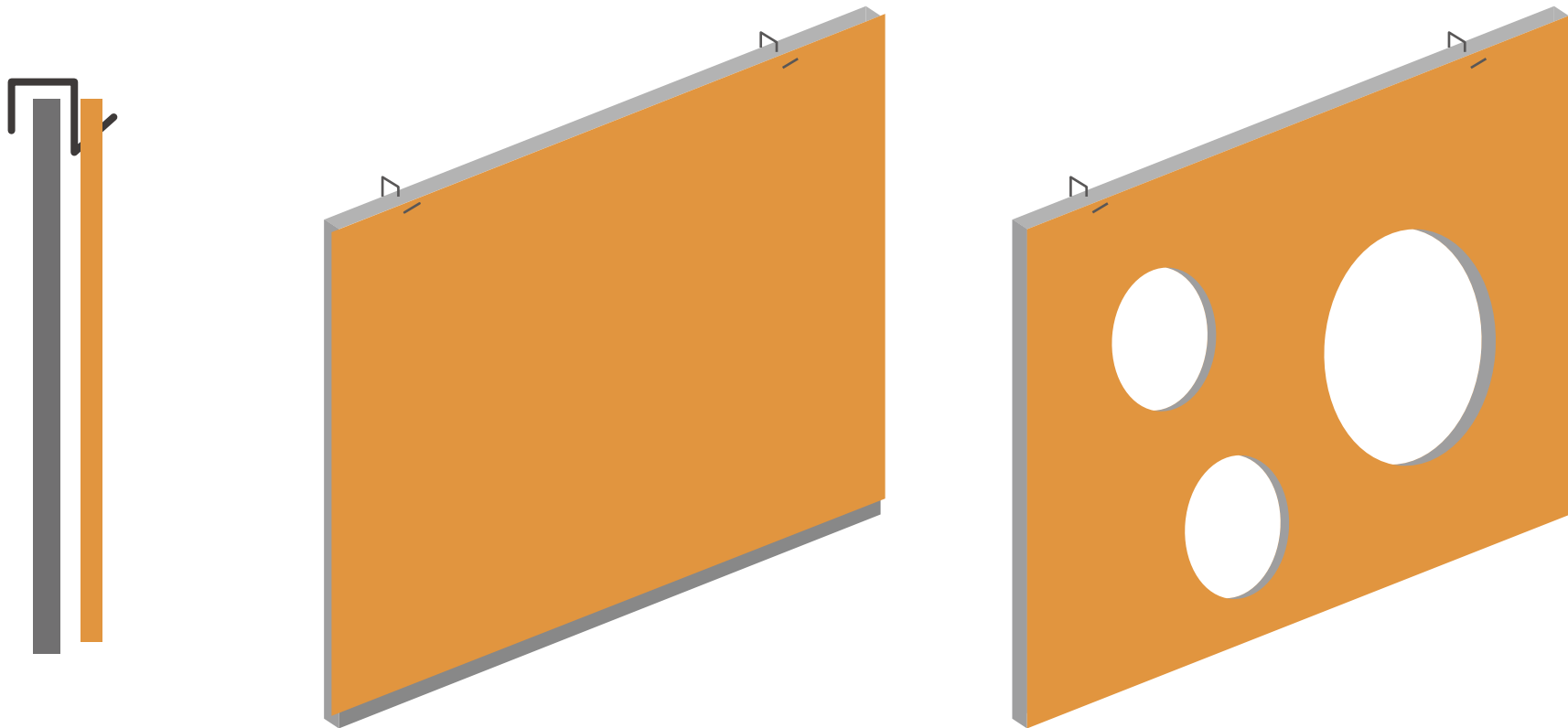
PG使用例：弯折

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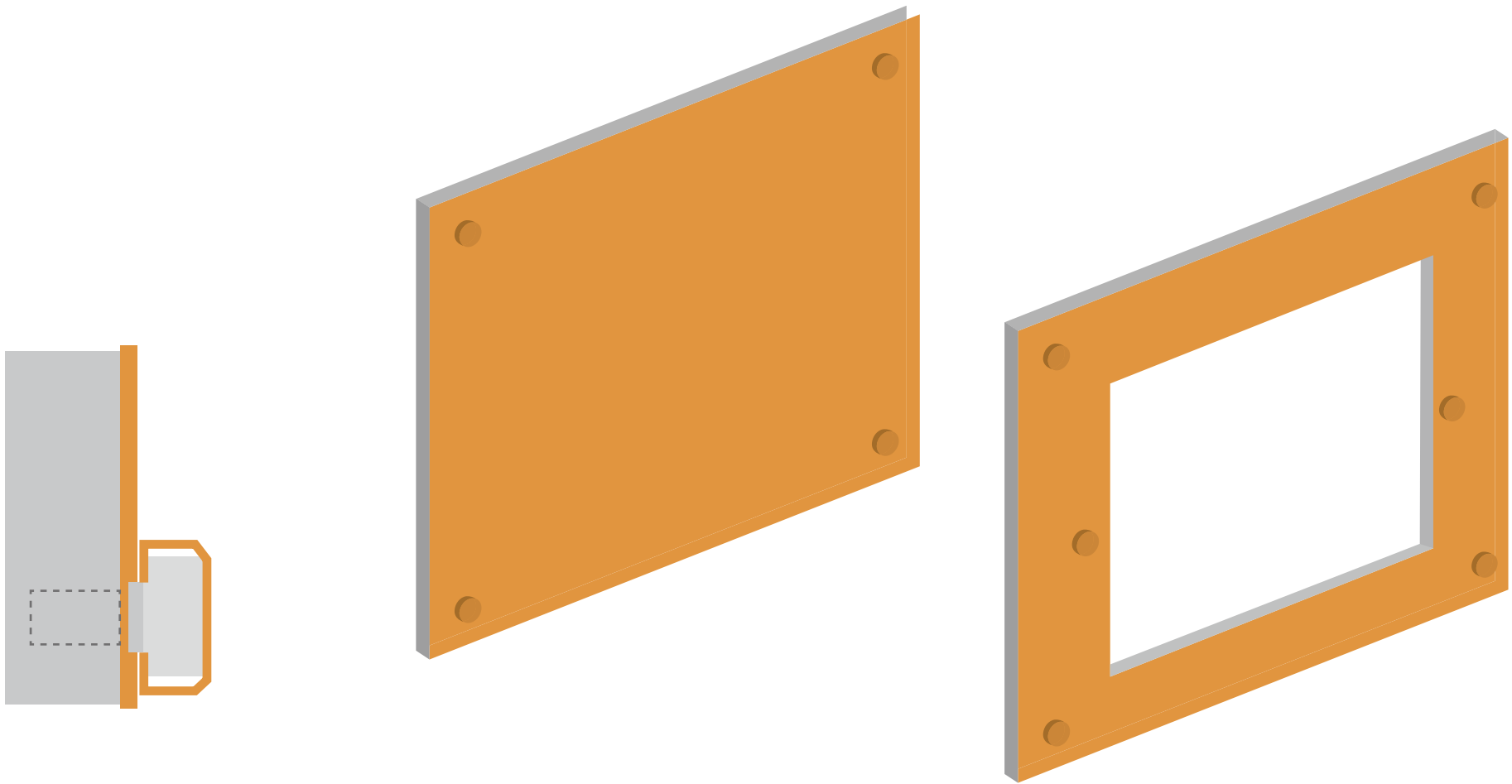
PG使用例：线固定

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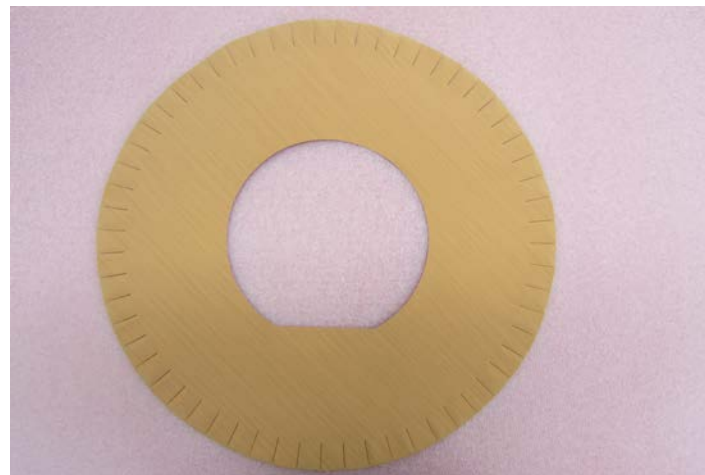
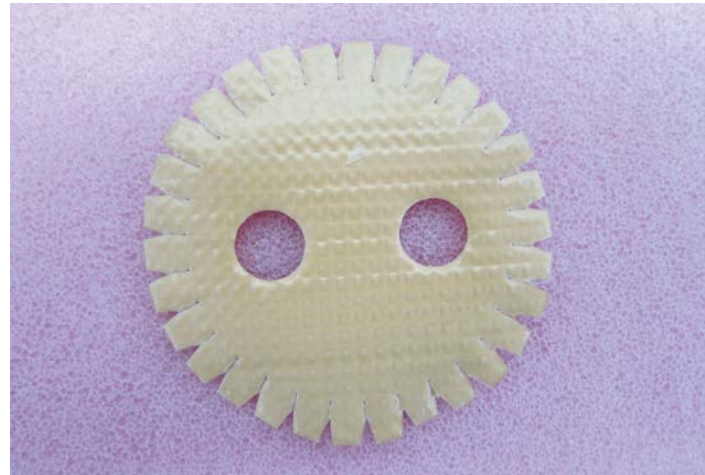
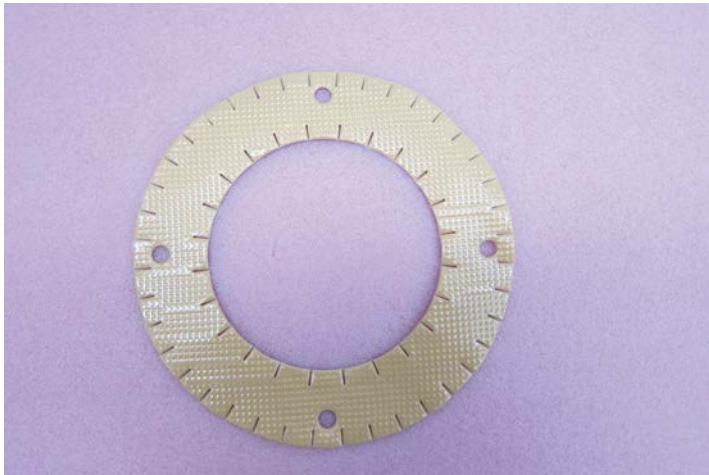
PG使用例：螺丝固定

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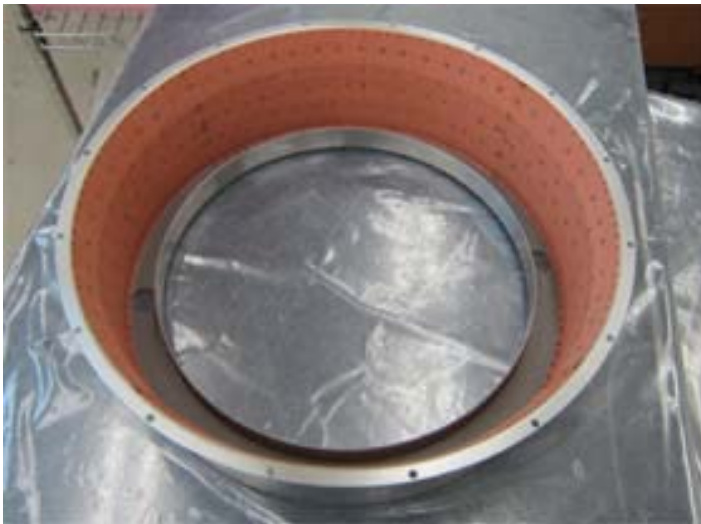
PG使用例：PG模切

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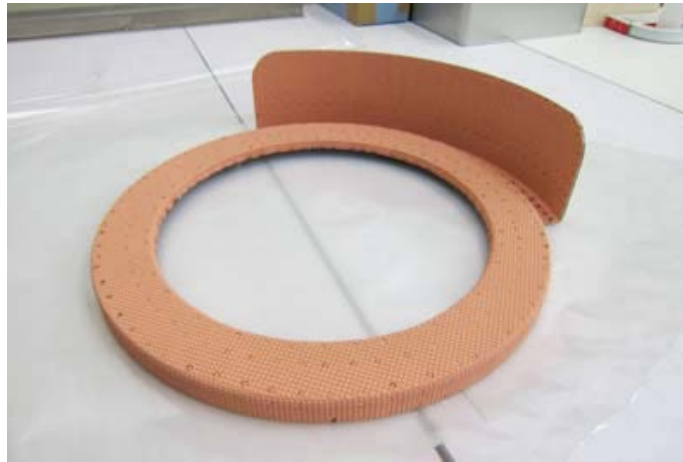
PG使用例

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PG 使用例

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P G使用行业和靶材举例

Introduction of PARTICLE GETTER

● 貴金属 ● 氧化物 ● 靶材

半導体	液 晶	HDD	水晶振動子
● Ag ● Au ● Pt ● W-Ti ● Ti ● Mo ● MoSi	● SiO₂ ● ITO ● TiO₂	● Ru ● CoCrPtTaBr ● Cr ● DLC	● SiO ● TiO ● Ta₂O₅ ● MgF₂