SPR6 特点介绍
SPR6 Feature

威汰科凭借创新的穿刺铆 SPR6 系列产品再次进入连接装配领域。SPR6 专注于钣金连接领域中的穿刺铆接技术，使得穿刺铆具备更可靠、更灵活的连接。结合穿刺铆全过程的力与位移监控，数据可追溯的功能，这是质量一致性的保障。

VINTEKO breaks new ground again with the innovative assembly system SPR6. SPR6 focusses on the riveting technology within the field of sheet metal joining, enabling a more reliable and flexible connection process for piercing riveting.Combined with force and displacement monitoring throughout the entire piercing riveting process, data traceability is ensured, which guarantees consistency in quality.

特 点 Feature:

- 强大的控制系统，全过程的数据可追溯
  High-performance software，traceability of all process data
- 简洁的可视化设置，所有参数配置一目了然
  You can configure the rivet setting tools by yourself
- 全新的C形框设计，重量平均减轻了30%
  The new C-frame brings on average 30 % less weight

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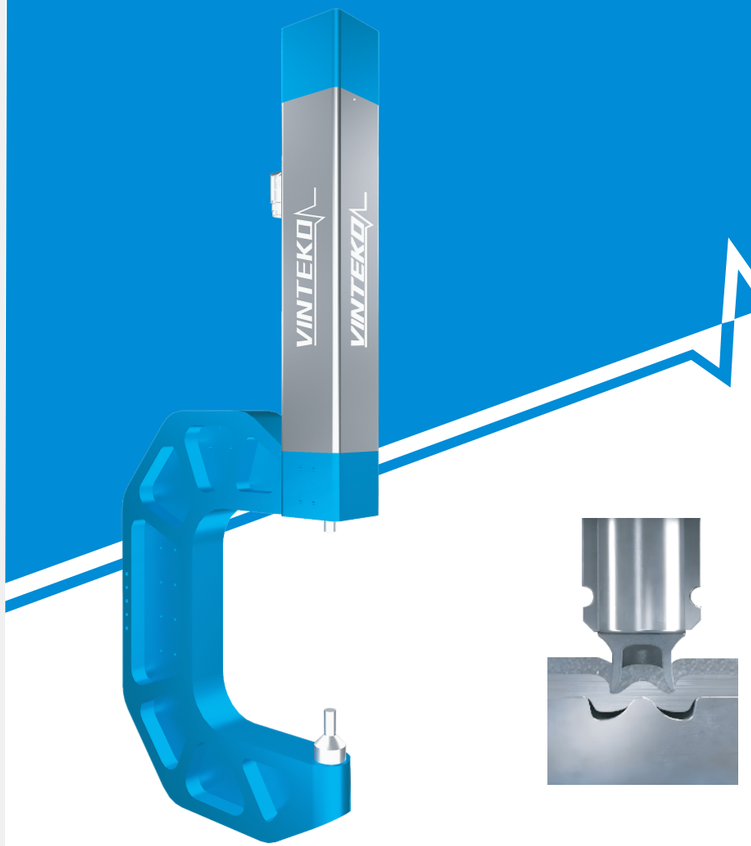
VINTEKO®

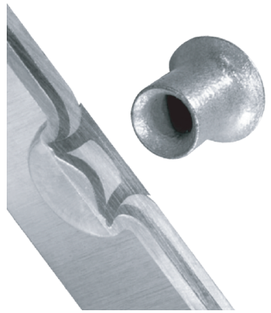
一体式伺服穿刺铆 SPR6
SERVO SELF-PIERCE RIVETING SPR6



中国 · 上海 · 威汰科
VINTEKO · SHANGHAI · CHINA

自穿刺铆接技术
Self-Pierce Riveting

自穿刺铆接是一种连接两种或两种以上金属板材的冷连接技术，其原理是使用特制铆钉通过伺服压铆机提供动力，直接压入待铆接板材，待铆接板材在铆钉的压力作用下和铆钉发生塑性变形，成形后充盈于铆模中，从而形成稳定连接的一种全新板材连接技术。

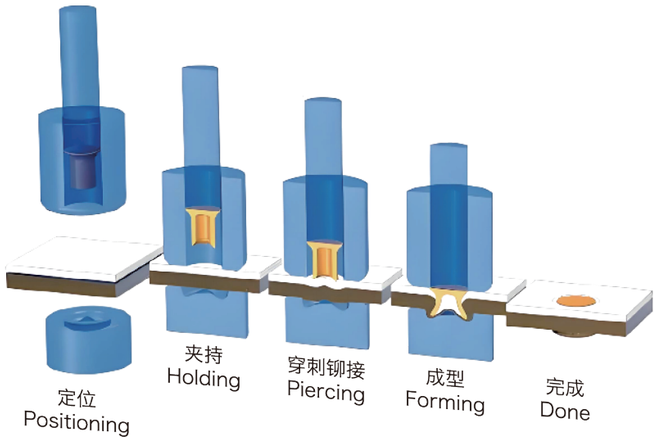


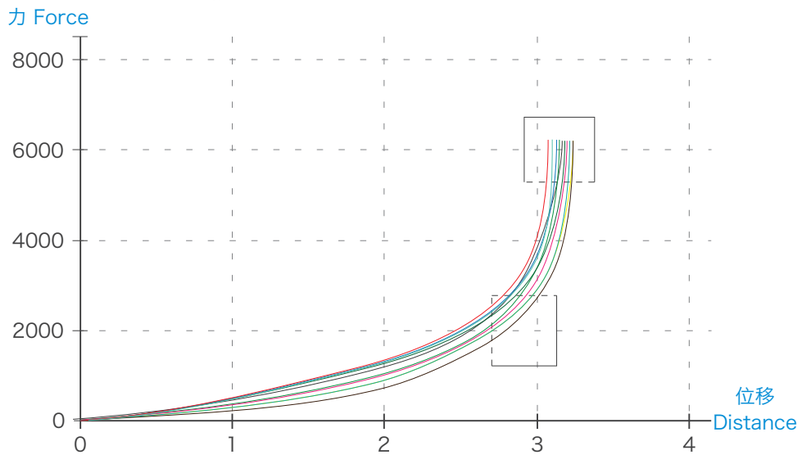
No pre-drilling, no emissions, no noise. VINTEKO® self-pierce riveting is a process used in joining technology that creates mechanically strong joints of similar or different types of material. Even joining with more than two layers is possible. VINTEKO® self-pierce riveting enables dynamically strong joints. There is no need for the material components to bepre-drilled or positioned exactly. The process offers high dynamic and quasi-static strengths, high reproducibility and can be easily automated.

压铆过程
Riveting Process

产品无需预钻孔或准确定位。只需一步，中空铆钉即可穿透工件上层，并在下层形成咬合，产生特有的咬合定型。该工艺实现速度快，连接强度高，且很容易实现自动化。

There is no need for the material components to be pre-drilled or positioned exactly. In one step, the semi-tubular rivet pierces the upper layer of the work piece and forms an undercut in the lower layer, forming the characteristic locking head. This process can be completed quickly, easily automated and with a strong joints.





底模
Ring groove die

由于其机械特性，当采用半管状铆钉的自冲铆接技术连接时，凸起侧的材料可能会出现裂纹。由威汰科制造的新型底模最大限度地减少或消除了凸起侧的裂纹。同时，增加了互锁并降低了铆钉的负载。

Due to their mechanical characteristics, cracking canoccur in the material on the button side when joined with self-pierce riveting technology with semi-tubular rivets.The new ring groove die, made by VINTEKO, minimises or eliminates cracking on the button side. Simultaneously, it increases the interlock and reduces the load of the rivet.

特 点 Feature:

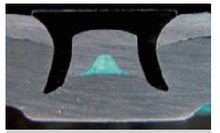
- 避免或尽量减少凸起侧的开裂
  Avoidance/minimisation of cracking on the button side
- 定制化的底模，最大限度减少铆钉载荷
  Reduced rivet load due to an optional cup
- 使得铆钉最大限度延展并行程锁扣
  Increased interlock of the rivet

铝1.2 mm
钢1.0 mm
铝1.2 mm

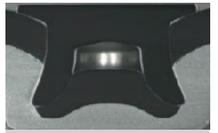
铝3.0 mm
铝3.0 mm

铝1.2 mm
镁1.5 mm

塑料3.0 mm
铝3.0 mm



铝1.2 mm
胶粘剂
2.0 mm 铝铸件



1.5mm 高强度钢
铝制2.0 mm