

流珠研磨机

Abrasive Bead Deburring Machine



设备介绍 Machine Overview

设备基于美国先进的内腔研磨加工技术，采用球形钢珠作为介质，在流体作用下通过运动挤压，使钢珠流过加工面或者内腔、内孔，进行研磨加工处理。对于凹陷面与弯曲孔道等通用刀、磨具达不到的复杂部位尤为有效，该工艺技术使铸件内部清理、去毛刺、抛光变得便捷并安全可靠，可同时处理复杂箱体零件内外锐边、流道、气道、水腔内壁缺陷及清洁度难题。

Based on the advanced internal cavity deburring technology of the United States, the equipment adopts spherical steel ball as the abrasive. Under the action of the fluid, the steel ball flows through the processing surface or the inner hole for grinding and deburring processing. It is especially effective for complex positions such as a concave surface and a curved hole that cannot be reached by general cutters or grinding tools. This technology makes the internal cleaning, deburring and polishing of casting parts safe and reliable. At the same time, it solves the internal and external sharp edges, flow passages, airways, water chamber inner wall defects and cleanliness problem of complicated box parts.

优点

- ◎ 工艺先进、独特，内腔清理、去毛刺、抛光效率高；
- ◎ 复杂零件一体化整体处理，满足用户对去毛刺、清理设备通用性要求；
- ◎ 运行成本低、磨料易于清理、没有残留风险；
- ◎ 做工精良、抗震设计、配置高、设备稳定、可持续24小时工作；
- ◎ 团队应用开发能力强、针对不同类型的零件有先进而成熟的工艺设计理念；
- ◎ 团队丰富的流体加工理论及经验、结合应用流变及油压研磨、磨粒流技术为用户提供最合适的去毛刺、抛光工艺。

Highlights

- ◎ Advanced and unique technology. Highly efficient in cavity cleaning, deburring and polishing.
- ◎ The integrated processing of complex parts meets the versatility requirements of both deburring and cleaning.
- ◎ Low operating cost, easy to clean, no residual risk.
- ◎ Excellent Workmanship, seismic design, high configuration, stable performance, with a high sustainability of working continuously for 24 hours.
- ◎ Strong application development ability, advanced and mature process design concept for different types of parts.
- ◎ Rich fluid processing theory and experience, comprehensive application of rheology and oil pressure and grinding and abrasive flow technology provide users with the most appropriate deburring and polishing process.

技术参数 Technical Specifications

指标 Index	参数 Parameter
外形尺寸 Dimensions	2100mm x 1900mm x 2500mm
重量 Gross Weight	4000kg (4400 lbs)
台面高度 Worktable Height	1040mm
加工区表面(W x D) Processing Area (W x D)	1200mm x 760mm
加工零件最大重量 Max Workpiece Weight	200kg
磨料介质 Abrasive	钢珠球或磨料圆球(Steel Ball or Abrasive Ball Bead)

适用加工零件 Applications

