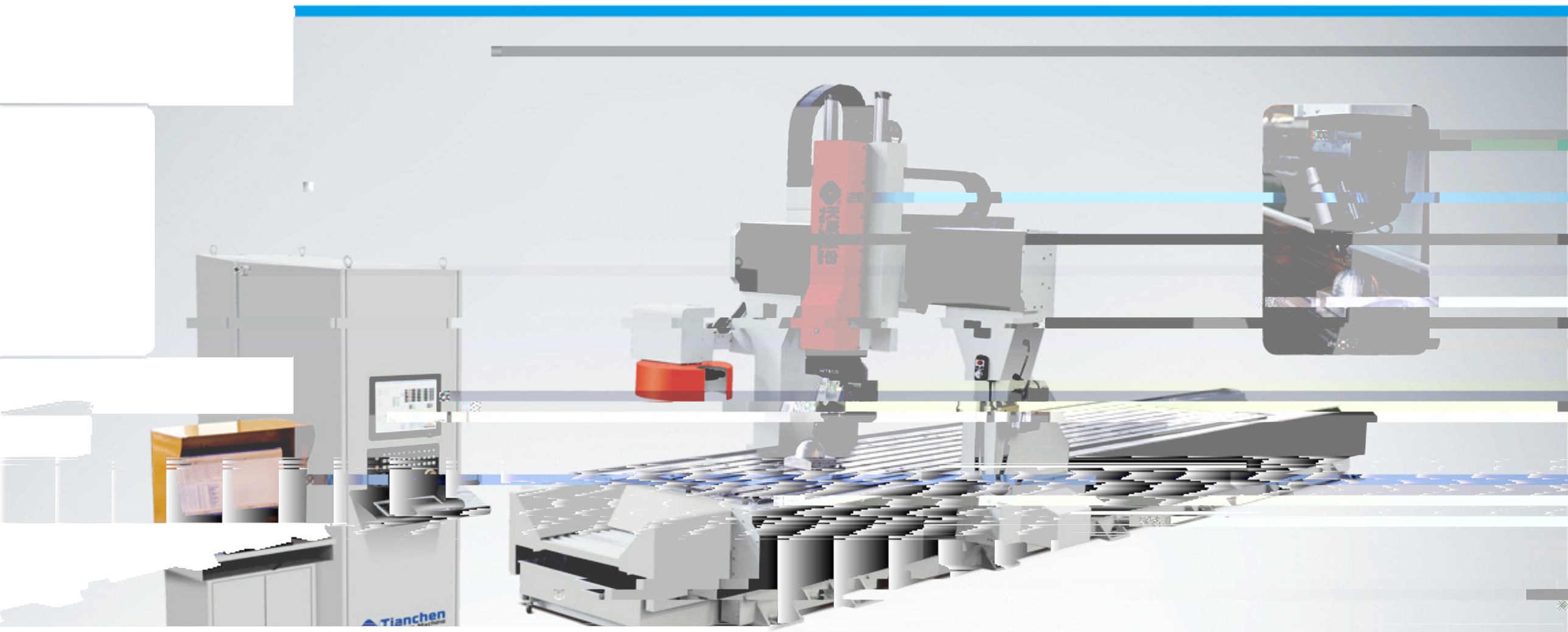

Osai | CNC SIEMENS YASKAWA

LGZW6513

五轴数控龙门加工中心 5-axis CNC Gantry Machining Center

性能特点

- 采用具有五轴五联动功能的数控双摆头，可以完成5面体的铣、镗、钻、攻螺纹和锯切等工序内容的加工。
- 适用于对各类车辆、轨道交通、及各种工业铝材的三维空间五轴联动加工，可以完成各种铝型材上的孔、槽[illegible]等工艺要求。
- 采用进口高精度的双摆头，并配有大功率、高转速的电主轴，主轴头内锥孔为HSK63F接口，具备较高的单位时间内的金属切削量。
- 采用意大利Osai高品质数控系统，具有良好的人机操作性，可以完成复杂的五轴联动加工，可以实现RTCP控制（主轴摆动加工），所有CNC都配有CANOPEN总线通讯功能。
- 工作台采用高强铸铁件，床身、横梁、立柱、滑枕等关键结构件采用钢板焊接件，运用有限元分析进行了分析计算，保证最优的质量比和优良的静态及动态性能和热态性能。铸铁工作台面设有标准T形槽，可以方便的定位安装各种工装夹具及工件。
- 设有电主轴的水循环冷却系统、进给传动的自动润滑系统及刀具的冷却喷雾系统，确保机床的可靠运转和精度稳定性。
- 配置12工位旋转刀具库，自动换刀。

Product Features

- Uses a CNC double pendulum head with 5-axis and 5-linkage function. It can complete milling, boring, drilling, tapping thread, and cutting on 5 surface.
- Suitable for 3-dimensional machining on aluminum profiles of vehicles, rail transportation, and etc. It can complete all kinds of hole, slot, and shape on aluminum profile.
- With a high-precision double pendulum head, with a high-power, high-speed spindle, and with the inner conic hole of interface HSK63F, the machine has much higher cutting quantity per unit time.
- With an Italian Osai system of high quality, it has a friendly interface, can complete complex 5-axis machining, and can realize the RTCP control (3-axis machining). All CNC are equipped with bus communication of CANOPEN.
- The worktable, beam, ram, column, and other key parts are made of steel plate welding parts. It is analyzed and calculated by using finite element analysis, which ensures the quality of the optimal stiffness ratio and excellent static and dynamic performance and thermal properties. The working table of the machine is provided with [illegible] which can be used for the positioning and installation of various tooling fixtures and workpieces.
- With water circulating cooling system on the electric main shaft, automatic lubricating system on the feed drive, and cooling spray system on cutting tool, it guaranteed the reliable operation and precision stability of the machine tool.
- With rotary tool stock of 12 stations, it can change the tools automatically.

技术参数 Technical Parameters

X/Y/Z轴移动范围	Moving range of axis X/Y/Z	6500/1520/600mm
主轴头端面至工作台面距离	Distance from spindle head to worktable surface	0～600mm
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
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