



TSD1250/4

三维数控钻床 3D CNC Drilling Machine

[设备描述]

■ 本机床主要用于对H型钢、槽钢、方管和矩形管等型钢进行钻孔加工,它主要应用于钢结构建筑、桥梁、电站、海洋石油井平台、塔桅等钢结构行业。机床一共采用4个主轴:左单元和右单元各有1个主轴分别对型钢的两个翼板进行钻孔加工;上单元有2个主轴,对型钢的腹板进行钻孔加工。上单元能装夹2种不同直径的钻头,可以同时加工腹板上两种不同直径的孔。和腹面上只有单个主轴的机床相比,当腹板孔径变化时不需要手工更换钻头,因此该机床大大节省了换刀时间,显著提高了加工效率和加工精度。该机床是我公司专利产品。

🔍 技术参数 Technical Parameter

		TSD1250/4
H型钢工件宽度范围	Artifacts max. width	200~1250mm
H型钢工件高度范围	Artifacts max. height	150~600mm
工件最小长度	Artifacts min.length	2000mm
工件最大长度	Artifacts max.length	12000mm
钻孔主轴数量	Drilling spindle number	4
主轴电机功率	Spindle motor power	约5.5kW
每个主轴转速范围	Each spindle RPM range	180~560r/min
钻孔直径范围	Drilling diameter range	Ø12~Ø40mm
伺服主轴数量	Servo spindle number	5
X伺服轴最大速度	X axis max. speed	20m/min
Y伺服轴最大速度	Y axis max. speed	5m/min
Z、W伺服轴最大速度	Z、W axis max. speed	5m/min
Y1伺服轴最大速度	Y1 axis max. speed	5m/min
机器尺寸(长×宽×高)	Overall size(L×W×H)	33×6.2×3.4m
总功率	Total power	约36kW
机器重量	Weight	约22t

[Machine Description]

■ This machine is mainly used for drilling holes on H-beam, channel beam, square steel pipe and rectangular steel pipes. It mainly serves for Steel structure building, bridge structure, power station, offshore oil well drilling platform, tower mast and other structure steel manufacture industry. The machine totally has 4 drilling spindles: there is one spindle on the left side and one spindle on the right side respectively, which serves for drilling holes of the two flanges; there are 2 drilling spindles on the up side which serves for drilling holes of the web. The up side can accommodate 2 drilling tools with different sizes, which can simultaneously drill two different diameter holes of the web. Compared with the machine with only one spindle on the up side, this machine's main feature is that when the hole diameter changes on the web, no need to change the drill tool manually, therefore, this machine can greatly save the tool change time, remarkably enhance the production efficiency and processing accuracy. This machine is our patent product and is only produced in our company.