

MACHINING

SPECIAL



BRIGHT-TOOLS

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Customer Solutions
客户解决方案



BRIGHT-TOOLS is a professional metalworking and woodworking tool holder manufacturer, beside standard tooling systems, it also supplies customized products based on drawings or samples.

Machining Capabilities

CNC TURNING SERVICES SPECIFICATIONS

Machines	CNC Lathes
Runout	0.001 mm
Max Part Dia.	400 mm
Max Part Length	650 mm
Machine Fixturing	Three-jaw chuck; Four-jaw chuck

CNC MILLING SERVICES SPECIFICATIONS

Machines	Machining Centers
Runout	0.001 mm
CNC Max Part Length	800 mm
CNC Max Part Width	500 mm
CNC Max Part Depth	500 mm

GRINDING SERVICES SPECIFICATIONS

Machines	Cylindrical, Internal and Surface Grinding Machines
Cylindrical Grinding Machine Runout	0.001 mm
Cylindrical Grinding Max Part Dia.	200 mm
Cylindrical Grinding Max Part Length	1000 mm
Internal Grinding Machine Runout	0.001 mm
Internal Grinding Max Part Dia.	100 mm
Internal Grinding Max Part Length	500 mm
Internal Grinding Max Part Depth	150 mm
Surface Grinding Machine Runout	0.005 mm
Surface Grinding Max Part Length	400 mm
Surface Grinding Max Part Width	250 mm
Surface Grinding Max Part Height	400 mm

SECONDARY SERVICES OFFERED

Heat Treatment	Engineers are capable of designing heat treatment cycles for Annealing, Normalizing, Hardening, tempering, carburizing, etc.
Surface Treatment	Blackening; Plating; Sandblasting, etc.

加工能力及范围

车削技术参数	
机器设备	数控车床
机床精度	0.001 mm
工件最大加工直径	400 mm
工件最大加工长度	650 mm
机床夹具配置	三爪；四爪
铣削技术参数	
机器设备	加工中心
机床精度	0.001 mm
工件最大加工直径	800 mm
工件最大加工宽度	500 mm
工件最大加工深度	500 mm
磨削技术参数	
机器设备	外圆磨床；内孔磨床；平面磨床
外圆磨床精度	0.001 mm
外圆磨床工件最大加工直径	200 mm
外圆磨床工件最大加工长度	1000 mm
内圆磨床精度	0.001 mm
内圆磨床工件最大加工直径	100 mm
内圆磨床工件最大加工长度	500 mm
内圆磨床工件最大加工深度	150 mm
平面磨床精度	0.005 mm
平面磨床工件最大加工长度	400 mm
平面磨床工件最大加工宽度	250 mm
平面磨床工件最大加工高度	400 mm
其他服务	
热处理	工程师有能力编排热处理相关工艺，如退火、正火、淬火、回火、调质、渗碳等。
表面处理	发黑、电镀、喷砂等等

Main Manufacturing Procedure	主要加工步骤
• Drilling	● 钻
• Turning	● 车
• Milling	● 铣
• Grinding	● 磨
• Heat Treatment	● 热处理
• Surface Treatment	● 表面处理
• Assembling	● 组装
• Packing	● 包装

CNC Machining Service Procedures

机械加工下单流程

CNC Machining Service Procedures	
INQUIRY	Detailed information are required for quotation as company details, drawings, order quantity, delivery time, etc.
QUOTATION	Calculate the cost and quote.
ADVANCE PAYMENT	Make PI for payment after received purchaser order.
MANUFACTURING	Redraw and assign manufacturing tasks; quality control during the whole process.
FINAL Q.C.	Final quality inspection according to C=0 AQL=4%
BALANCE PAYMENT	Balance Payment is required before shipment.
PACKING & SHIPPING	Pack and ship according to customers' requirements.
DOCUMENTS & LOGISTICS	Provide shipping documents after shipment.