

HST-Q100B Metallographic Automatic Cutting Machine



Application:

The HST-Q100B metallographic sample manual cutting machine is suitable for cutting samples of various metal and non-metal materials in order to observe the metallographic and petrographic structures of the materials.

Features:

- This machine is equipped with a cooling system to take away the heat generated during cutting.
- The cutting machine uses a high-speed rotating thin-reinforced grinding wheel to cut the sample.
- The machine has the advantages of easy operation and easy maintenance, and is superior to similar domestic products.
- The cutting range and transmission power are also larger than similar domestic products, making it the best choice for sample cutting.

Parameters:

Model	HST-Q100B
Cutting chamber shell	Steel plate
Maximum cutting diameter	100mm (pipe)
Infeed depth tracking	LCD display
Platform moves in Y direction	275mm
Cutting table size	280*310mm
Cutting disc specifications	350*2.5*32mm
Clamping table specifications	The fixture table is divided into left and right parts, with a central cutting edge.
Cutting method	Manual / Auto
Feeding method	Any adjustment (manual/auto, dual use)
Cutting speed	Maximum 1mm/s

Automatic cutting method	Intermittent cutting (metal workpieces) and continuous cutting (non-metallic workpieces)
Cutting distance	Set as needed
Reset mode	Automatic reset
Cooling system	Automatic (water cooling 2 channels)
Water tank capacity	50L
Spindle speed	2100r/min
Motor Power	3KW
Machine type	Desktop
Power supply	380V
Dimensions	887*795*600mm
Package Size	1100*940*800mm
Net weight	210kg
Gross weight	241kg
Water tank dimensions	470*370*300mm
Water tank packaging size	540*460*460mm
Water tank net weight	17kg
Gross weight of water tank	27kg

Packing list:

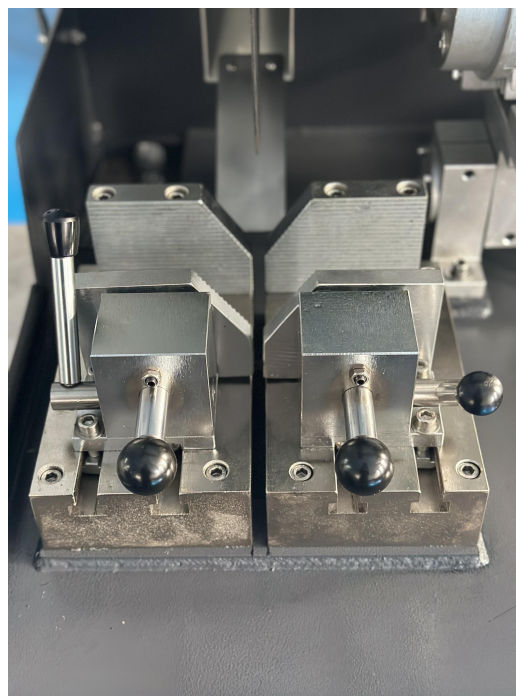
Main host	HST-Q100B	Set	1
Water tank	(water pump is included)	Set	1
Grinding wheel	350×2.5×32mm	Pcs	2
Water outlet pipe	φ32×1.5m	Pc	1
Water inlet pipe	φ25×1.5m	Pc	1
Throat hoop		Pc	4
Wrench	12-14mm	Pc	1
Wrench	24-27mm	Pc	1
Wrench	36mm	Pc	1
Manual		Sheet	1
Certificate of conformity		Sheet	1
Packing List		Sheet	1

Clamps (optional)

Standard Clamp

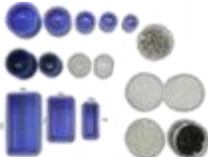


Quick Clamp



Metallographic consumables

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Diamond cutting piece	Resin cutting sheet	Metallographic cutting Coolant	CBN cutting piece
			
CM-7 Cold mounting material	Cold/hot mosaic powder	Die for cold Mounting	Mounting material
			
Diamond Grinding Disk	Metallographic sandpaper	MEGULAR	Diamond paste
			
Polishing powder	Polishing lubricant coolant	Metallographic polishing cloth	Polishing liquid

HST GROUP Co., LTD.

NO. 4915, West Jingshi Road, Jinan 250012, PR CHINA.

Tel: +86-159 1008 1986

www.hssdgroup.com - e-mail: admin@hssdtest.com

No. 4915, Jingshi Road, Jinan, China

Tel: +86-15910081986