

2443VMC (HEIDENHAIN)

OPERATING MANUAL

PARTS LIST

CHEVALIER®

2-1-5. Machine Specifications



Description	2443VMC #40	2443VMC #50
Table		
Table size	49.2" x 25.6" (1250 x 650mm)	
T-slots (no. x wid. x dis)	5 x 0.709" x 3.937" (5 x18 x125mm)	
Max. Table load	1200kg (2646 lbs)	
Travels		
X travel	43.3" (1100mm)	
Y travel	24" (610mm)	
Z travel	25" (635mm)	
Spindle		
Spindle nose to table	4.9" – 29.9" (125 – 760mm)	
Spindle center to column	27" (685mm)	
Spindle taper	#40	#50
Spindle speed (optional)	80 ~ 8000 rpm (opt.: 10000,12000rpm)	60 ~6000rpm (opt.: 8000rpm)
Feedrates		
Rapid on X, Y & Z axes	787/787/709 IPM (20/20/18m/min.)	787/787/590 IPM (20/20/15m/min.)
Cutting feedrate	0.04 ~ 300iPM (1 ~ 7600mm/min.)	
Accuracy		
Positioning	± 0.0002" (± 0.005mm)	
Repeatability	± 0.0001" (± 0.003mm)	
Tool Changer		
Tool capacity	20 (carousel type), opt. :20/ 24 (arm type)	24 (arm type)
Tool shank	CT-40, BT-40 or IT-40	CT-50 or BT-50
Pull stud	P40T-1	P50T-1
Max. tool diameter	100mm , 24 station arm type 76mm	102mm
Max. tool weight	15 lbs (7kg)	32 lbs (15kg)
Motor		
Spindle motor (30min)	15 HP (11kw) A8/8000	20 HP (15kw)
Drive motor X , Y, Z	3 HP (2.1kw)	X · Y : 2.1kw , Z : 3.0kw
Coolant pump	1/2HP (0.37kw)	
General		
Power required	15 KVA (Opt. 25 KVA)	20 KVA (Opt. 25 KVA)
Air required	80 PSI (5kg/cm ²)	
Machine weight	7500 kg	7900 kg

Note:

The manufacturer reserves the right to modify the design, specifications, mechanisms,...etc. without notice. All the specifications shown above are just for reference.