

FALCON-2033/2040VMC (HEIDENHAIN)

OPERATING MANUAL

PARTS LIST

CHEVALIER®

2-1-5. Machine Specifications



Description	2033VMC	2040VMC
Table		
Table size	39.4" x 17.7" (1000 x 450mm)	47.2" x 17.7" (1200 x 450mm)
T-slots (no. x wid. x dis)	5 x 0.709" x 2.953" (5 x 18 x 75mm)	
Max. Table load	500kg (1100lb)	600kg (1320lb)
Travels		
X travel	33.5" (850mm)	40.2" (1020mm)
Y travel	20.1" (510mm)	
Z travel	20.1" (510mm)	
Spindle		
Spindle nose to table	5.9" – 26" (150 – 660mm)	
Spindle center to column	21.7" (550mm)	
Spindle taper	7/24 (#40)	
Spindle speed (optional)	80 ~ 8000 rpm (opt. : 6000 rpm, 10000rpm)	
Feedrates		
Rapid on X, Y & Z axes	787/787/708 IPM (20/20/18m/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. : 24 (arm type)	
Tool shank	CT-40, BT-40 or IT-40	
Pull stud	JMBTA standard 45°	
Max. tool diameter	3.5" (89mm) , 24 station arm type 3" (76mm)	
Max. tool weight	15lbs (7kg)	
Motor		
Spindle motor (30min)	10 HP (7.5kw), opt. 15 HP (11kw)	
Drive motor	X, Y, Z	1.4 HP (1.0kw)
Coolant pump	1/2HP (0.38kw)	
General		
Power required	15 KVA (Opt. 20 KVA)	
Air required	80 PSI (5kg/cm ²)	
Floor space (Lx Wx H)	98.6" x 109.1" x 104.1" (2504x 2770x 2644mm)	
Machine weight	9900lbs (4500kg)	11000lbs (5000kg)

Note:

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