

ABENE VHF-650 CNC



Note: The Machine on the picture is equipped with the option FP650 (Full guarding)

ABENE Milling Machines

Universal, flexible high-quality Machines, build on more than 60 years experience from Tool-making, prototype-series, developing etc. An unique concept for an unique area.



ABENE VHF-650 CNC

A new Vertical - Horizontal Milling Machine.
Spindle power 7,5 kW. Spindle speed stepless between **55-4000** rpm.
X = **670** mm, Y = **480** mm, Z = **475** mm.
Control: **Heidenhain TNC-410/426/i530**
Exchangeable angular table 900 x 500 mm

ABENE CNC Milling Machine with hardened and grinded guide ways in all axes. Heidenhain control, servo, motors and optical linear scales, to reach absolute best accuracy and precision. Hydraulic Tool clamping which handles all tool systems with ISO40 cone. Ergonomically performance which gives a very flexible environment.

ABENE VHF-650 CNC

STANDARDEQUIPMENT

- Complete coolant system
- Hydraulic Tool Clamping
- CE-protection mounted on table
- Machine lamp 24V Halogen
- Automatic central lubrication system
- Keys and manuals
- Spare parts book and accuracy report
- Automatic gearbox with frequency controlled spindle.
- Heidenhain TNC-410/426/i530
- Angular table 900 x 500 mm



ABENE VHF-650 The machine is built according to the unique ABENE "angular frame plane" design concept, which has the spindle head sideways mounted. This radical (World Exclusive) feature allows rapid and precisely uniform changing from Vertical to Horizontal machining. The ergonomically environment, along with the benefits of different Heidenhain controls, allows the **ABENE VHF-650 CNC** to let you decide how best to turn your idea into a presentable product with maximum economy and efficiency.

TECHNICAL DATA	VHF-650	VHF-650 /BS	UNIT
TABLE			
Table surface	900 x 500	900 x 500	mm
T-slot	7 x 14 H7	7 x 14 H7	mm
Max Load	400	400	kg
MOVEMENT			
Longitudinal	670	670	mm
Cross	480	480	mm
Vertical	475	475	mm
Feeds n:o	Stepless	Stepless	
Rapid feed X,Y	6000	6000	mm/min
Rapid feed Z	4000	4000	mm/min
Feed motor AC (Z)	4,0 (10,5)	4,0 (10,5)	Nm
SPINDLE			
Spindle speed	55-4000	55-4000	rpm
Spindle	ISO40 / DIN2079	ISO40 / DIN2079	
Spindle speeds n:o	Freq. Control	Freq. Control	Stepless
Spindle Power	7,5	7,5	kW
Spindle head swivel	0-140	0-140	Degree
Spindle quill	--	75	mm
Hand wheel	--	3 (option)	mm/rev.
Weight	2400	2400	kg
Net Weight	2200	2200	kg



Boring spindle (Option)

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