

## C.B. FERRARI ML 45

**Kind : Vertical machining center**  
**Manufacturer : C.B. FERRARI**  
**Model : ML 45**  
**Year : 2014**  
**Serial : 2013041**  
**Stock : T14648**



### TECHNICAL DETAILS

- Number of axes	: 5
<b>MILLING SPINDLE</b>	
- Tool holder type	: HSK40
- Spindle power	: 32,5 [kW]
- Spindle speeds	: 40.000 [rpm]
- Number of spindle hours	: 1.211 [h]
<b>LINEAR AXES</b>	
- Travels on X/Y/Z axes	: 420 / 320 / 320 [mm]
- Cutting feed rates (X/Y/Z)	: 60.000 [mm/min]
<b>A ROTARY AXIS</b>	
- Travel	: 360 [°]
- Indexing precision	: 0,001 [°]
- Cutting feed rate	: 200 [rpm]
<b>B ROTARY AXIS</b>	
- Travel	: 100 [°] (+/-)
- Indexing precision	: 0,001 [°]
- Cutting feed rate	: 200 [rpm]
<b>TOOL CHANGER</b>	
- Auto. Tool Changer type	: Bras chargeur
- Tool magazine capacity	: 60
- Tool exchange time	: 5 [sec]
<b>TABLE</b>	
- Table dimensions	: Ø 250 [mm]
- Maximum weight upon table	: 20 [kg]
- Distance table / spindle nose (min./max.)	: 40 / 360 [mm]

**Kind : Vertical machining center**

**Manufacturer : C.B. FERRARI**

**Model : ML 45**

**Year : 2014**

**Serial : 2013041**

**Stock : T14648**

**POWER SUPPLY**

- Supply voltage : 400 [V]
- Total installed power : 35 [kW]

**WEIGHT & DIMENSIONS**

- Machine floor space : 2.050 x 2.555 [mm]
- Machine height : 2.520 [mm]
- Machine weight : 5.000 [kg]

**MACHINE HOURS**

- Number of hours under power : 4873 [h]

**EQUIPMENT**

- CNC : Heidenhain iTNC530
- Electronic handwheel
- Linear scales
- 3 colors status lamp
- Coolant tank
- \* With washing gun
- Chips conveyor
- Oil mist extractor : FILTERMIST FX5002
- Spindle cooling unit
- Electrical cabinet air conditioning
- Tool probe : Renishaw
- Workpiece probe : Renishaw
- Tool-holders : 60
- Tool preparation bench