

## TOPPER HA 400

**Kind : Horizontal machining center**  
**Manufacturer : TOPPER**  
**Model : HA 400**  
**Year : 2001**  
**Serial : 010608**  
**Stock : 8861**



### TECHNICAL DETAILS

- Number of axes	: 4
MILLING SPINDLE	
- Tool holder type	: BT40
- Spindle power	: 22 [kW]
- Spindle speeds	: 12.000 [rpm]
LINEAR AXES	
- Travels on X/Y/Z axes	: 560 x 560 x 560 [mm]
- Rapid traverses rates (X/Y/Z)	: 40.000 [mm/min]
- Cutting feed rates (X/Y/Z)	: 1 - 20.000 [mm/min]
B ROTARY AXIS	
- Travel	: 360 [°]
- Indexing precision	: 1 [°]
TOOL CHANGER	
- Auto. Tool Changer type	: Bras chargeur
- Tool magazine capacity	: 60
- Tool exchange time	: 1,2 [sec]
PALLET CHANGER	
- Pallet changing device type	: Rotopalette
- Pallet size	: 400 x 400 [mm]
- Pallets number	: 2
- Maximum weight upon pallet	: 400 [kg]
- Distance table / spindle axis (min./max.)	: 80 - 640 [mm]
- Distance table center / spindle nose (min./max.)	: 150 - 710 [mm]
- Maximum workpiece diameter	: 600 [mm]

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- Maximum workpiece height : 700 [mm]  
POWER SUPPLY  
- Supply voltage : 400 [V]  
WEIGHT & DIMENSIONS  
- Machine floor space : 3.600 x 3.750 [mm]  
- Machine height : 2.828 [mm]  
- Machine weight : 9.500 [kg]  
MACHINE HOURS  
- Number of hours under power : 9.893 [h]  
- Number of working hours : 2.138 [h]

**EQUIPMENT**

- CNC : Fanuc 18-iM  
- Electronic handwheel  
- Rigid tapping  
- Coolant tank  
\* Coolant through spindle  
\* With cabin washing  
- Chips conveyor  
- Spindle cooling unit