



Inventory number: 22856

3-axis machining center  
FANUC ROBODRILL ALPHA T14iFb  
FANUC Series 31i-Model A  
2010



### Technical data

Number of axis total	3
Table length	650 mm
Table width	400 mm
Number of T-channels	3
Distance of the T-slots	125 mm
T-channel width	14 mm
Longitudinal travel (X-axis)	500 mm
Transversal travel (y-axis)	380 mm
Vertical travel (z axis)	300 mm
Tool changer:	
Number of tools	14
Spindle nose: BT	
spindle to table	150 - 450 mm
Spindle speeds:	
stepless	
from	100 rpm
up to	12000 rpm
Feed range	1 - 15000 mm/min
Rapid traverse:	48 m/min
Voltage 50 Hz 3x	400 Volt
Spindle motor	5.5 kW

Total power required	10 kVA
Machine's weight about	2000 kg
Overall dimensions machine:	
Length	2000 mm
Width	1600 mm
Height	2200 mm

Various accessories:

Coolant system

Lamp

RS-232 Interface





FANUC Series 31i-MODEL A



**CONTROL PANEL**

**POWER:** ON/OFF switches.

**ALPHANUMERIC KEYS:** O, N, G, E, P, C, 7, 8, 9, X, U, Y, V, Z, W, Q, ?, 4, 5, 6, I, J, A, K, R, -, 1, 2, 3, M, S, T, L, +, /, 0, ., F, D, H, B, SP, /, :.

**FUNCTION KEYS:** RESET, HELP, ABC/abc, SHIFT, ALARM/STATUS, P PAGE, N PAGE, POS, PROG, DRIFT, SYSTEM, RESUME, GRAPH, INPUT, ALTER, INSERT, DELETE, BLOCK/NC.

**AXIS/DIRECTION:** +5th, +4th, -Y, +Z, +X, RAPID, -X, -5th, -4th, +Y, -Z.

**MANUAL MODE:** REF POINT, JOG, HANDLE.

**AUTO MODE:** MDI, MEMORY, REMOTE, EDIT, AUTO P/P, AUTO R/O.

**INCREMENTAL FEED:** X1, X10, X100, X200.

**RAPID TRAVERSE OVERRIDE:** DOWN, 100%, 50%, SPINDLE, TOOL CHANGE, COOLANT, DOOR.

**FEED & DRY RUN SPEED:** JOG & DRY RUN SPEED (MM/MIN (INCH/MIN)).

**FEEDRATE OVERRIDE:** FEEDRATE OVERRIDE (%).

**PROGRAM PROTECT:** ON/OFF switch with RE-LEASE key.

**EMERGENCY STOP:** Large red and yellow button.

**FEED HOLD:** Red button.

**CYCLE START:** Green button.







