



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 featuring a power switch (ON/OFF), a numeric keypad (0-9, letters, symbols), directional keys, and various function buttons. It includes a large red emergency stop button, a green cycle start button, and a red feed hold button. There are also several rotary dials for speed and feedrate overrides.

POWER
ON
OFF

RESET
HELP
ABC/abc
SHIFT
ALARM/STATUS

O_c N_j G_E P_C
X_U Y_V Z_W Q_?
I_. J_A K_⊙ R₋
M_# S₋ T_{*} L₊
F_⊖ D_j H_⊕ B_{sp}

7 8 9
4 5 6
1 2 3
- 0 .
/ **⊞** **⊟** **⊠**

POS **PROG** **DRIFT**
SYSTEM **RESUME** **GRAPH**

MANUAL MODE
REF POINT **JOG** **HANDLE**
AUTO MODE
MDI **MEMORY** **REMOTE** **EXIT**

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

INCREMENTAL FEED
X1 **X10** **X100** **X200**

RAPID TRAVERSE OVERRIDE
LOW **25%** **50%**
TOOL CHANGE **COOLANT** **DOOR**

JOG & DRY RUN SPEED
MM/MIN (INCH/MIN)
5.0 10.0 20.0 50.0 100.0 200.0 500.0

FEEDRATE OVERRIDE
%
50 100 150 200

EMERGENCY STOP

FEED HOLD **CYCLE START**

PROGRAM PROTECT **RE-LEASE**





