



Inventory number: 23076

Horizontal machining center
MORI SEIKI NH 4000 DCG
FANUC F31iA
2011



Technical data

| | |
|-------------------------------------|------------------|
| Number of axis total | 4 |
| Number of tables | 2 |
| Table length | 400 mm |
| Table width | 400 mm |
| Table load max. | 400 kg |
| Maximum swing circle of up to | 630 mm |
| Longitudinal travel (X-axis) | 560 mm |
| Transversal travel (y-axis) | 560 mm |
| Vertical travel (z axis) | 630 mm |
| B axis | 360 ° |
| Tool magazine number of tool places | 60 |
| Tool diameter max. | 70 mm |
| Diameter with free adjacent pockets | 140 mm |
| Tool lenght | 400 mm |
| Max. tool-weight | 8 kg |
| Spindle nose: BT | 40 |
| Spindle speeds: | |
| stepless | |
| from | 0 rpm |
| up to | 14000 rpm |
| Torque max. | 120 Nm |
| Feed range | 0 - 50000 mm/min |
| Rapid traverse: | 50 m/min |
| Air connect | 5 bar |
| Voltage 50 Hz 3x | 400 Volt |
| Spindle power | 18 / 11 kW |

| | |
|-----------------------------|---------|
| Machine's weight about | 9600 kg |
| Overall dimensions machine: | |
| Length | 3910 mm |
| Width | 2300 mm |
| Height | 2619 mm |
| Various accessories: | |
| High pression colant device | 60 bar |
| Touch Probe Renishaw | |
| Chip conveyor | |
| Handwheel electroinic | |
| Foot pedal | |



WARNING
 Never operate without safety
 door interlock switch
 in "PROGRAM" position.
 Failure to do so could cause
 serious injury or death.

ON
 OFF

2PA-F4N-11

F311A

200 mm/min 55% 13998 min⁻¹ 02660 N00007762

MEM DEPART *** *** *** 0002H 00M 50.80 09:19:54

VERIFICATION DE PROGRAMME

| PROGRAMME | COORDONNEES L/2 | COORDONNEES L/2 | DIST.RESTAN | REF |
|---------------------------------------|-----------------|-----------------|-------------|-----|
| | COORD. ABS. | | | |
| 1. N0762 G01 X21.500 Z-14.109 | X | 30.356 X | -9.356 | |
| 2. N0763 G01 Z20.845 Y-9.500 Z-14.109 | Y | -9.451 Y | 0.000 | |
| 3. N0764 G01 X31.500 Z-14.109 | Z | -14.109 Z | -0.053 | |
| 4. N0765 G01 Z20.845 Y-9.500 Z-14.109 | B | 0.000 B | 0.000 | |

MACRO PERSONALISEE L/2

| N° | VALEUR | N° | VALEUR |
|------|--------|------|--------|
| #100 | | #110 | |
| #101 | | #111 | |
| #102 | | #112 | |
| #103 | | #113 | |
| #104 | | #114 | |
| #105 | | #115 | |
| #106 | | #116 | |
| #107 | | #117 | |
| #108 | | #118 | |
| #109 | | #119 | |

LISTE PROG. RECH. N° D. W/PL. C/2. L/2. ID/1. AR. PLN. SELECT. FINE TR. RECH. N. REMOD. N.

Standard QWERTY keyboard with function keys and numeric keypad.

Control panel with various buttons and knobs:

- Emergency stop button (red)
- Start button (yellow)
- Feed rate override knob (100%)
- Spindle speed override knob
- Axis selection buttons (X, Y, Z, B)
- Directional keys for manual movement
- Mode selection buttons (AUTO, JOG, etc.)















