

Machine Name : CNC gantry machining center

Brand : AWEA

Machine Model : LG6040

Stock No. : 489224

Ex-factory Date : 2006



Main Technical Parameters:

CNC CNC System: FANUC 0i-MD

three-axis travel: 6000*4000*1000mm

Gantry height: 1500mm

Gantry width: 5000mm

Configuration

Two automatic milling heads

BT50 gear spindle

A full gleaming square





2.3 Specifications

2.3.1 Technical Data

Item	unit	LG4030	LG6030	LG9030
X axis travel	mm (inch)	4000 (157.4)	6000 (196.8)	6000 (236.2)
Y axis travel	mm (inch)	3000 (118.1)	3000 (118.1)	3000 (118.1)
Z axis travel	mm (inch)	7000 (275.6)	7000 (275.6)	7000 (275.6)
Distance Spindle to table	mm (inch)	400-1400 (15.7-55.1)	400-1400 (15.7-55.1)	400-1400 (15.7-55.1)
Distance between columns	mm (inch)	3600 (141.7)	3600 (141.7)	3600 (141.7)
Table size in X direction	mm (inch)	4000 (157.4)	6000 (196.8)	6000 (236.2)
Table size in Y direction	mm (inch)	3000 (118.1)	3000 (118.1)	3000 (118.1)
Table load capacity	kg (lb)	2500 (5512)	2500 (5512)	2500 (5512)
Spindle motor (cont. 30min)	kW (hp)	11 (15)	11 (15)	11 (15)
Spindle speed	rpm	10-4300 rpm (1. Two steps geared spindle)	10-4300 rpm (1. Two steps geared spindle)	10-4300 rpm (1. Two steps geared spindle)
Spindle nose configuration	mm (inch)	BT40 (ISO30)	BT40 (ISO30)	BT40 (ISO30)
Rapid traverse rate X axis	mm (inch/min)	12000 (472.4)	12000 (472.4)	12000 (472.4)
Rapid traverse rate Y axis	mm (inch/min)	15000 (590.5)	15000 (590.5)	15000 (590.5)
Rapid traverse rate Z axis	mm (inch/min)	17000 (669.3)	17000 (669.3)	17000 (669.3)
Cutting feed rate (max.)	mm (inch/min)	1.53000 (0.4993)	1.53000 (0.4993)	1.53000 (0.4993)
Tool magazine capacity	mm (inch)	30	30	30
Max. tool diameter (ø) (cont. pocket empty)	mm (inch)	127 (5.0)	127 (5.0)	127 (5.0)
Max. tool length	mm (inch)	300 (11.8)	300 (11.8)	300 (11.8)
Max. tool weight	kg (lb)	20 (44)	20 (44)	20 (44)
Tool shank	mm (inch)	BT50 (ISO50)	BT50 (ISO50)	BT50 (ISO50)
Tool clud	mm (inch)	10 (0.3937)	10 (0.3937)	10 (0.3937)
Tool change time (T to T)	sec	10	10	10
Position accuracy	mm (inch)	±0.025 (±0.001)	±0.025 (±0.001)	±0.025 (±0.001)
Repeatability	mm (inch)	±0.005 (±0.0002)	±0.005 (±0.0002)	±0.005 (±0.0002)
Total required power	kVA (HP)	80 kVA (AC220V ±10%, 3 Phase 50 Hz/50Hz)	80 kVA (AC220V ±10%, 3 Phase 50 Hz/50Hz)	80 kVA (AC220V ±10%, 3 Phase 50 Hz/50Hz)
Air resource	l/min	120 with 10 HP (31.8)	120 with 10 HP (31.8)	120 with 10 HP (31.8)
Hydraulic tank capacity	liter (gal)	311.6	311.6	311.6
Lubrication oil capacity	liter (gal)	700 at 1.5 HP	700 at 1.5 HP	700 at 1.5 HP
Coolant tank capacity	liter (gal)	8600 (228.6)	8600 (228.6)	8600 (228.6)
Floor space requirement L	mm (in)	10450 X 4700	10450 X 4700	10450 X 4700
Floor space requirement W	mm (in)	4114 X 1855	4114 X 1855	4114 X 1855
Machine weight	kg (lb)	42,000 (92,430)	47,000 (103,400)	51,000 (112,340)
CNC controller		FANUC 13 M	FANUC 15 M	FANUC 18 M