

Machine Name : CNC gantry machining center

Brand : AWEA

Machine Model : LG6040

Stock No. : 89224

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)	700 (27.6)	700 (27.6)	700 (27.6)
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)	77 (105)	77 (105)	77 (105)
Spindle speed	rpm	10 - 4300 rpm	10 - 4300 rpm	10 - 4300 rpm
Spindle nose configuration		BT50 (ISO50)	BT50 (ISO50)	BT50 (ISO50)
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 (0.4-0.6)	1.53000 (0.4-0.6)	1.53000 (0.4-0.6)
Tool magazine capacity		32	32	32
Max. tool diameter (adjacent pocket empty)	mm (in)	127 (5.0)	127 (5.0)	127 (5.0)
Max. tool length	mm (in)	350 (13.8)	350 (13.8)	350 (13.8)
Max. tool weight	kg (lb)	20 (44)	20 (44)	20 (44)
Tool shank		BT50 (ISO50)	BT50 (ISO50)	BT50 (ISO50)
Tool change time (T to T)	sec	9	9	9
Position accuracy	mm (in)	+/- 0.025 (in travel +/- 0.001 in)	+/- 0.025 (in travel +/- 0.001 in)	+/- 0.025 (in travel +/- 0.001 in)
Repeatability	mm (in)	+/- 0.005 (in travel +/- 0.0002 in)	+/- 0.005 (in travel +/- 0.0002 in)	+/- 0.005 (in travel +/- 0.0002 in)
Total required power	kW (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		120 with 10 HP (31.8)	120 with 10 HP (31.8)	120 with 10 HP (31.8)
Hydraulic tank capacity	liter (gal)	800 (211.6)	800 (211.6)	800 (211.6)
Lubrication oil capacity	liter (gal)	700 (185.0)	700 (185.0)	700 (185.0)
Coolant tank capacity	liter (gal)	800 (211.6)	800 (211.6)	800 (211.6)
Floor space requirement L	mm (in)	8600 (338.6)	9600 (377.8)	13750 (541.3)
Floor space requirement W	mm (in)	10450 (411.4)	10450 (411.4)	10450 (411.4)
Floor space requirement H	mm (in)	4200 (165.4)	4200 (165.4)	4200 (165.4)
Machine weight	kg (lb)	13000 (28660)	15000 (33069)	18000 (39683)
CNC controller		FANUC 13 M	FANUC 15 M	FANUC 18 M