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# ACRA. VERTICAL MACHINING CENTER

## ► LCV-2414



#### **AUTOMATIC TOOL CHANGER**

The armless type transmission mechanism provides rapid, stable and reliable tool change. Also, it is controlled by PLC software for quicker tool selection to reduce non-cutting time.



#### CARTRIDGE SPINDLE

Well balanced, rigid and easy maintenance, which is built in a temperature controlled environment. Spindle, bearings, housing and spacer are individually selected in-house before assembly. Each unit is tested to ensure performance and accuracy before being assembled into the machine.



- material.
- It is carefully hand scraped to achieve high accuracy and good retention of lubricating oil, which is essential for a long accurate life.



#### **CHIP FLUSH** SYSTEM

A simple but efficient removal mechanism could be easily conveying chips outside the machine.



### **HEAVY LOAD TABLE**

High rigid-design structure with max.loading 350 kgs.

#### TOP OPEN **FRONT DOOR**

Operators can get closer to the table, which makes setup easier.



#### **MEEHANITE CASTING STRUCTURE**

Certified Meehanite cast iron forms a steady foundation. Heavy ribbed throughout for high rigidity and excellent mechanical and thermal stability.



#### **STABLE ACCURACY**

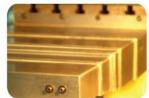
Full QC procedures before shipment including laser and ball bar inspection

#### **STANDARD ACCESSORIES**









- High-speed spindle 10,000 rpm
- Bigger spindle motor (7.5 / 11 kw)
- Armless type ATC(16 Tools)
- Fully enclosed splash guard
- Chip flush system
- Coolant system
- Coolant tank & chip collector
- Automatic lubrication system
- Telescopic covers
- Portable electronic handwheel (FANUC)
- Working light
- Alarm light
- Tool box
- Operator's manual and parts list
- Leveling bolts, pads and nuts
- CE (Safety door interlock)

#### **OPTIONAL ACCESSORIES**

- Arm type ATC (24 tools)
- Spindle chiller
- Spiral or flat type chip conveyor
- 4th or 4+5th axis rotary table
- Working piece measurement system
- Tool length measurement system
- Heat exchanger on electrical cabinet
- Power transformer





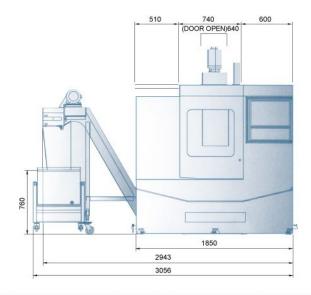


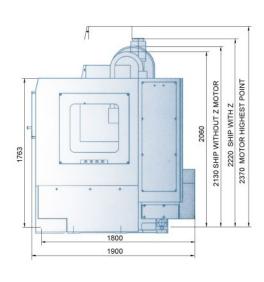






#### **MACHINE DIMENSIONS**





Machine Specifcations	LCV-2414
ravel	
-Axis	24" (610 mm)
-Axis	14" (355 mm)
-Axis	18.1" (460 mm)
pindle nose to table	2.8 ~ 20.9" (70 ~ 530 mm)
pindle center to column	16.3" (415 mm)
able	
able size	27.6 x 13.78" (700 x 350 mm)
loor to table	32.9" (835 mm)
flax.table loading capacity	770 Lbs (350 kgs)
-slot (number x width x pitch)	5 x 0.6" x 2.5" (5 x 16 mm x 63.5 mm)
eed system	, ,
tapid traverse speed	X / Y:787 ipm/min (20 M/min) , Z:708.7 ipm/min (18 M/min)
eed motor (FANUC)	X / Y:1.8 kw (11 Nm) , Z:2.5 kw (20 Nm)
all screw diameter & pitch	1.3" / 0.4" (32 mm / 10 mm)
Cutting feed rate	0.04 ~393.7 ipm (1 ~ 10,000 mm/min)
ype of transmission	Direct Drive
pindle	
ype of tool shank	CAT-40 / BT-40 / DIN69871A
flax.spindle speed	10,000 rpm
pindle motor	7.5 / 11 kw (10 / 15 HP)
ype of transmission	Belt
СТ	
ool storage capacity	16 tools
TC type	Armless type
flax.tool diameter	3.7" (93 mm)
Vithout adjacent tool	5.9" (150 mm)
flax. tool length	11.8" (300 mm)
flax. tool weight	15 Lbs (7 kgs)
ool changing time (tool to tool)	7.5 sec
ool changing time (chip to chip)	8.1 sec
lethod of tool selection	By address code
ool display	Yes
oolant system	
oolant tank size	42 Gal (160 L)
oolant capacity	40 gal/min (150 L/min)
hip flush capacity	Standard
fachine size	
fachine height	94.5" (2,400 mm)
loor space	72.8" (1,850 mm)(W) x 71.9" (1,825 mm)(D)
Veight	5500 Lbs (2,500 kgs)
ower source	
lectrical power supply	15 KVA / 3PH , 220V 50 / 60 Hz
	85 psi (6.0 kgf / cm²)
compressed air supply	oo par (o.o ngr / onr )

<sup>\*</sup>Specifications may be different according to optional accessories and are subject to change without notice.



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