



HIGH PRECISION  
MACHINES

MATERIAL REMOVAL

# Cincinnati Lancer

## Vertical Machining Center



## High capacity vertical machining solution

- Cast iron construction for 10 times dampening capacity compared to steel
- 8000 rpm with ZF gear box - 5.5:1 ratio
- New wider base and saddle for improved machine rigidity
- Options and capabilities for diverse requirements
- 50 Taper dual contact spindle configuration
- Heavy duty box way construction
- More torque, higher horsepower

# Rigid construction, unsurpassed quality, high accuracy and ultimate performance.

## CINCINNATI LANCER FEATURES

- Rapid rates up to 20 m/min
- Spindle speed 8000/10000 rpm
- Saddle one piece design
- X travel from 1300 - 2040 mm
- Massive cast iron base for extra stability
- Efficient front-type chip conveyor

## DOUBLE NUT DESIGNED BALL SCREWS

Each ball screw is accurately aligned parallel to the guideways and anchored at both ends. They are then pre-tensioned to improve machine stiffness. The rotational torque variations are inspected to guarantee a non-binding, highly accurate, and long-running component. It can exceed customer requirements for accuracy and maximum life.

## HEAVY-DUTY BOX WAYS

The heavy-duty box ways are hardened to HS67-75 (HRC 50-60) and precision ground. The female square ways and gibs are coated with anti-friction Turcite-8. These features allow the machine to maintain maximum accuracy levels.



## CAPABILITIES | CINCINNATI LANCER

		1250	1500	1500+	2000
X-Axis Travel	mm (in)	1298 (51.1)	1524 (60.0)	1524 (60.0)	2040 (80.3)
Y-Axis Travel	mm (in)	635 (25.0)	762 (30.0)	1016 (40.0)	1016 (40.0)
Z-Axis Travel	mm (in)	610 (24.0)	919 (36.2)	919 (36.2)	919 (36.2)
Cutting Feed Rate	ipm	400	400	400	400
Spindle Speed	rpm	10000	8000 Spindle w/ ZF gear box	8000 Spindle w/ ZF gear box	8000 Spindle w/ ZF gear box
Spindle Nose		BT-50 or CAT-50	BT-50 or CAT-50	BT-50 or CAT-50	BT-50 or CAT-50
Spindle Motor	hp	30-34(30min-peak)	35-47(30min-peak)	35-47(30min-peak)	35-47(30min-peak)
Table Size (L x W)	mm (in)	1422x610 (56.0x24.0)	1549x762 (61.0x30.0)	1549x1016 (61.0x40.0)	2101x1016 (82.7x40.0)
Tool Capacity	pcs	32	40	40	40
Max Tool Diameter	mm (in)	127 (5.0)	127 (5.0)	127 (5.0)	127 (5.0)
Max Tool Length	mm (in)	450 (17.7)	300 (11.8)	300 (11.8)	300 (11.8)
Max Table Load	kg (lb)	1361 (3000)	1361 (3000)	2200 (4850)	2200 (4850)

\*All numbers based on Cincinnati Lancer. Technical data subject to change.

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