

## KITAMURA HORIZONTAL MACHINING CENTER

### Mycenter-H400

#### 1. GENERAL

The H-400 is a compact precision horizontal machining center that has been developed by applying the diversified technologies that we have accumulated through our half century-long experience in introducing with outstanding foresight and creativity unique planers, milling machines and NC machines.

The H-400 requires less space for installation and may be adapted in a production line in combination with our vertical machining centers, which are available in a series of three models (My-Center, T and S), providing increased versatility for diversified machining operations with maximum efficiency.

The H-400 is standard equipped with a fully covering guard for chips and splash and permits complete disposal and recovery, ensuring improved operating and safety.

## (1) PALLET TABLE

TABLE WORK AREA	400 × 400 mm (15.7" × 15.7")
TABLE INDEXING	4TH AXIS 0.001°
LOAD CAPACITY	400 Kg (880 POUNDS)

## (2) TRAVEL

X AXIS	610mm(24.02")
Y AXIS	460mm(18.11")
Z AXIS	510mm(20.08")
DISTANCE FROM TABLE CENTER TO SPINDLE NOSE	160mm~670mm(6.3"~26.4")
DISTANCE FROM TABLE TO SPINDLE CENTER	50mm~510mm(2"~20.1")

## (3) SPINDLE

SPINDLE TAPER	N. S. T. NO. 40
SPINDLE SPEED	60-6000RPM

## (4) FEED

RAPID FEED	X AND Z AXIS	20,000mm/min. (787.4 IPM)
	Y AXIS	12,000mm/min. (472.4 IPM)
CUTTING FEED	X, Y AND Z AXIS	0-5000mm/min. (0-197 IPM)

## (5) ATC

TOOL STORAGE CAPACITY	100 TOOLS
TOOL SELECTION METHOD	RANDOM BI-DIRECTIONAL
TOOL SHANK	MAS. BT 40
MAX. TOOL SIZE	φ 74x250mm(φ 2.9" × 9.8")
-Two neighboring tool pots should be empty: φ 100x250mm(φ 3.94" × 9.8")	
MAX. TOOL WEIGHT (WITH TOOL HOLDER)	6Kg(13.2 pounds)

TOOL CHANGE TIME	2 SECOND(60Hz)
CHIP-TO-CHIP(WITH TOOL ORIENTATION)	MINIMUM 8 SECOND(60Hz)
(6) MOTOR	
SPINDLE MOTOR (30 min. RATIO)	AC 11 KW(AC 14.7 HP)
(CONTINUOUS OPERATION)	AC 7.5 KW(AC 10 HP)
COOLANT MOTOR	AC 750W(AC 1 HP)
	AC 400W(AC 0.5HP)
LUBRICATION	AC 5W(0.007 HP)
(7) MACHINE WEIGHT WITH NC	8,500 Kg





