SOLUTION

HK SERIES

HK400 • HKA400 • HK1000CNC



The Vision of Precision



The Engineering AMADA



AMADA®
AMADA MACHINERY AMERICA, INC.

SEMI-AUTOMATIC & AUTOMATIC HORIZONTAL METAL CUTTING MITER BAND SAWS HK400 • HKA400

THE HK400 AND HKA400 integrate mitering capability into our proven H Series designs. The HKA400 features fully automatic operation, delivering increased productivity and ease of use. Both machines are equipped with a comprehensive set of features engineered to optimize cutting performance and reliability, making them ideal for processing structural steel sections.

STANDARD FEATURES HK400 • HKA400

- **FULL STROKE CLAMPING VISE:** The full stroke clamping vise reduces the operator's setup time for different widths of material.
- **CANTED HEAD & SINGLE COLUMN MOUNTING:** The head is canted 8° to enable the machine to cut rolled sections e.g. I beams or rectangular tubing at significantly faster rates because the blade is never in full contact with the horizontal section of the material. The single column mounting enables the saw guides to be much closer together compared to scissor type machines which improves the cutting performance.
- **MANUAL VISE INCHING CONTROL:** The vise inching control enables the operator to more accurately locate the work piece for the cut because he can inch the vise until it is just touching the material but not clamped hard. Then with the help of the shadow line projector, make any small adjustment to the position to produce the desired cut.
- **DIRECT DRIVE**
- **VERTICAL CLAMP**
- **FULL STROKE VISE**
- **8° SAW HEAD CANT**
- **60° MITER CAPABILITY**
- **LIGHT BEAM MARKING**
- **VISE PRESSURE CONTROL**
- **INVERTER BLADE SPEED CONTROL**
- **POST CONSTRUCTION TYPE SAW HEAD**
- **AUTO INDEX, ONLY AT 90°** (HKA400)

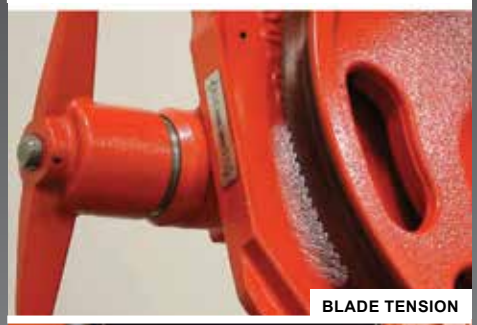
OPTIONAL FEATURES HK400 • HKA400

- **ROLLER TABLE 6'**
- **ROLLER TABLE 10'**
- **EXTENDED WARRANTY**
  Regular 1 year + Additional year Total 2 years

Specifications may change without notice at the sole discretion of Amada's Engineering Department.

Some safety equipment may have been removed or opened to illustrate products clearly and must be in place, and functioning, prior to operation.


MITER ANGLE


BLADE TENSION


CANTED HEAD


ROLLER TABLE





HORIZONTAL CNC CONTROLLED SEMI-AUTOMATIC METAL CUTTING MITER BAND SAW HK1000CNC

▶▶▶ **THE HK1000CNC** is a high-performance miter cutting band saw designed for precision and productivity in structural steel applications. Advanced CNC control enables fast, accurate miter cuts with minimal setup, while its robust construction and automation deliver reliable, consistent performance in demanding fabrication environments.

STANDARD FEATURES HK1000CNC

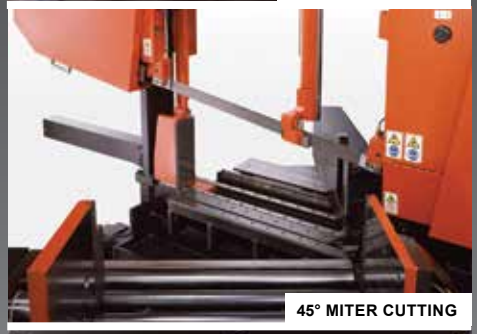
- **LOWER VIBRATION:** The middle blade guide reduces vibration and blade chatter, significantly improving cutting stability and accuracy.
- **CNC CONTROL:** Advanced CNC functionality automatically optimizes high-speed cutting conditions based on material type and size, maximizing efficiency and performance.
- **EASY ANGLE PROGRAMMING:** Flexible angle input options allow fast, accurate setup, and fully automatic turning is completed with a single button press.
- **MOVABLE FRONT VISE:** A 12.60" (320 mm) traveling front vise extends 1.18" (30 mm) beyond the blade to simplify cut positioning and securely grip remnants.
- **VISE PRESSURE CONTROL VALVE**
- **VERTICAL VISE**
- **PRESSURE CONTROL VALVE FOR VERTICAL VISE**
- **CHIP CONVEYOR**

OPTIONAL FEATURES HK1000CNC

- **EXTENDED WARRANTY**
  Regular 1 year + Additional year Total 2 years
- **PLEASE CONTACT YOUR LOCAL SALES REPRESENTATIVE FOR MATERIAL HANDLING OPTIONS**

Specifications may change without notice at the sole discretion of Amada's Engineering Department.


PROTECTOR BLADE

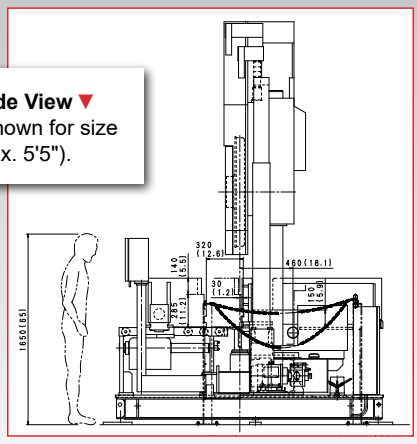

45° MITER CUTTING


CNC CONTROL


ANGLE PROGRAMMING



HK1000CNC Side View ▼
Human model shown for size reference (approx. 5'5").

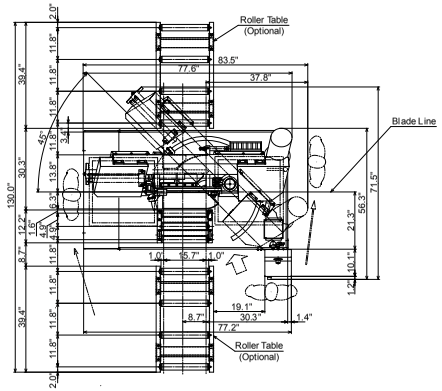


PRODUCT SPECIFICATIONS & DIMENSIONS

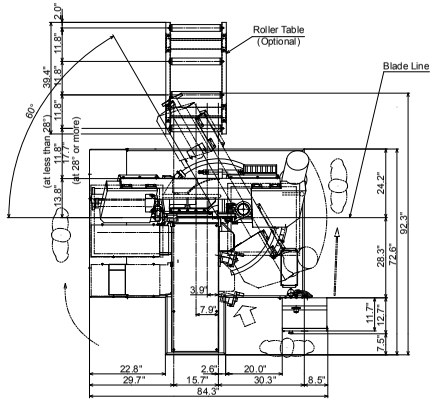
	HK400	HKA400	HK1000CNC
Round Capacity Diameter at 90°	12.6" (320 mm)	12.6" (320 mm)	28.3" (720 mm)
Capacity at 45°	8.9" (226 mm)	8.9" (226 mm)	23.6" (600 mm)
Capacity at 60°	3.9" (99 mm)	3.9" (99 mm)	NA
Rectangle Capacity (W x H) at 90°	16" x 11" (406 x 279 mm)	16" x 11" (406 x 279 mm)	40.35" x 29.53" (1025 x 750 mm)
Capacity at 45°	8.9" x 11" (226 x 279 mm)	8.9" x 11" (226 x 279 mm)	23.6" x 29.53" (600 x 750 mm)
Capacity at 60°	3.9" x 11" (99 x 279 mm)	3.9" x 11" (99 x 279 mm)	NA
Work Load Capacity	880 lbs	880 lbs	13,200 lbs.
Material Index Stroke	NA	15.7" (398 mm)	12.6" (320 mm) Auto Material Index function is not equipped.
Material Index Length	NA	2.4" - 39.3" (60 x 998 mm)	NA
Remnant Length	NA	2.8" plus length of parts	NA
Blade Size (L x T x W)	12'9" x 0.042" x 1-1/4" (3886 x 1 x 31.75 mm)	12'9" x 0.042" x 1-1/4" (3886 x 1 x 31.75 mm)	28'10" x 0.063" x 2-5/8" (8800 x 1.6 x 66.675 mm)
Blade Speed	100-325 ft./min, Inverter	100-325 ft./min, Inverter	49-325 ft./min, Inverter
Blade Motor	3 HP	3 HP	10.06 HP
Hydraulic Pump Motor	1 HP (.75 kW)	1 HP (.75 kW)	2.95 HP (2.19 kW)
Cutting Fluid Pump Motor	0.0625 HP	0.0625 HP	0.24 HP
Voltage Required	AC220V±10%, 3 PH, 60 Hz ***All Other Voltages Require a Transformer**	AC220V±10%, 3 PH, 60 Hz ***All Other Voltages Require a Transformer**	AC220V±10%, 3 PH, 60 Hz ***All Other Voltages Require a Transformer**
Power Requirement	5.5 kVA	10.7 kVA	23 kVA
Head Up Position (W x L x H)	77.6" x 56.3" x 73.4" (1971 x 1430 x 1864 mm)	84.3" x 92.3" x 73.4" (2141 x 2344 x 1864 mm)	180.9" x 91.3" x 136.8" (4594.86 x 2319.02 x 3474.72 mm)
Head Down Position (W x L x H)	77.6" x 56.3" x 64.0" (1971 x 1430 x 1625 mm)	84.3" x 92.3" x 64.0" (2141 x 2344 x 1625 mm)	180.9" x 91.3" x 136.8" (mm)
Table Height	30.3" (769 mm)	30.3" (769 mm)	31.5" (800 mm)
Machine Weight	1,990 lbs.	3,528 lbs.	16,538 lbs.

*** AUTOMATIC POSITIONING CANNOT BE PERFORMED WHEN CUTOFF LENGTH IS LESS THAN 1.2".**

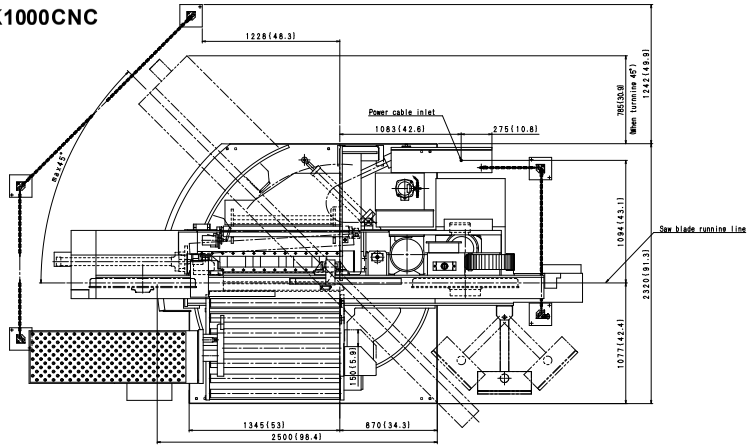
HK400



HKA400



HK1000CNC



Before using this product, please read the operator's manual carefully and follow all applicable instructions.
• When using our products, safety equipment is required depending on the operational task.

* Specifications, appearance and equipment are subject to change without notice by reason of improvement.
* Please use the machine model name as HK400, HKA400, HK700 or HKB6050CNC when applying for administration applications.
* For any inquiries, please contact local Amada Machinery America, Inc. office.

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