ADOR WELDING LIMITED

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peace of mind™

CNC
CUTTING SOLUTIONS

MAKE, RESEARCH CREATE IN INDIA

Edition: ADOR INTERNATIONAL 2024

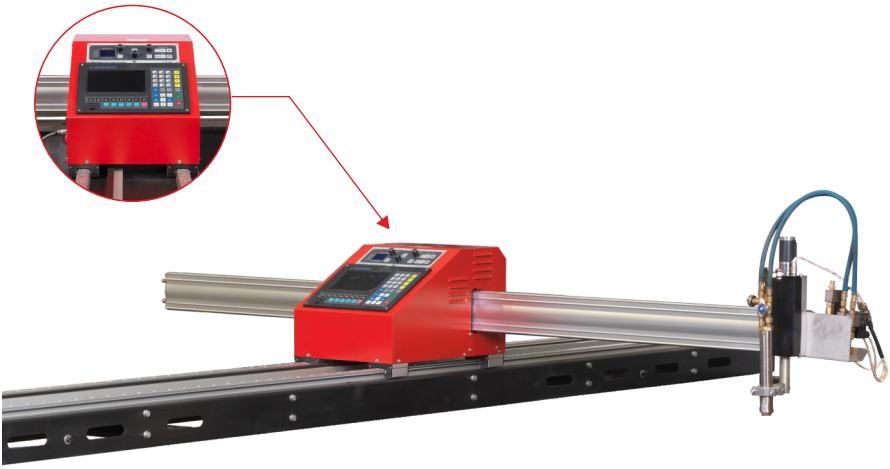
INDEX

King Cut Series

CNC CUTTING MACHINE

KING CUT SMARTY

CNC CUTTING MACHINE



AVAILABLE WITH OXYFUEL & PLASMA

Key Attributes

- Very easy and user friendly programming.
- Suitable for both Air Plasma and Oxyfuel Cutting.
- The file storage is flexible and supports interface to USB.
- It can be used with semi-automatic trolley and as a portable cutting machine.
- 5.7 inch high brightness LCD with all standard menu.
- The machine has the option of Automatic Torch Ignition.
- The machine has both automatic and manual torch height control option.

KING CUT SMARTY

CNC CUTTING MACHINE

TECHNICAL SPECIFICATIONS

DESCRIPTIONS	VALUE
Effective Cutting Width	1500 mm Standard
Effective Cutting Length	3000 to 6000 mm Standard
Machine Rapid Speed	4000 mm/min
Gas Required	Air, Oxygen and Acetylene or LPG
Cutting Thickness by Oxyfuel	6 mm – 100mm
Cutting Thickness by Plasma	1mm - 20 mm in M.S. and S.S
Programming Accuracy	±0.1mm
Repeatability Accuracy	±0.2mm
Cutting Accuracies	As Per Standard : ISO 9013

CNC CONTROLLER	
Operation Panel	5.7inch LCD graphic display
Language	English
Program Input	Key pad or USB port
Contouring	X and Y, 2 axes control
Program Format	RS-274-D format (Metric or Inch)
Shape Library	45 patterns-Metriconly Program
Operation Function	Trial Run, Reverse, Plate Alignment, Mirror, Array
Nesting Software	MOST 2D / Fastcam

OPTIONAL PLASMA POWER SOURCE

Powermax 65 *SYNC*

Powermax 85 *SYNC*

Powermax 105 *SYNC*

KING CUT EDGE

CNC CUTTING MACHINE

AVAILABLE WITH OXYFUEL & PLASMA

Key Attributes

- The machine is an economic machine suitable for Oxyfuel Cutting and Air Plasma.
- Dual drive mechanism with linear guide ways.
- The machine is ergonomically designed.
- 15 inch high brightness LCD with all standard menu.
- The machine has the option of Automatic Torch Ignition for Oxyfuel Cutting.
- The machine has both automatic and manual torch height control option.
- Can be used with upto 2 torches as standard. (1 Plasma +1 Oxyfuel or 2 Oxyfuel)

KING CUT EDGE

CNC CUTTING MACHINE

TECHNICAL SPECIFICATIONS

DESCRIPTIONS	VALUE
Effective Cutting Width	1500 to 4000 mm Standard
Effective Cutting Length	3000 to 12000 mm Standard / Multiple of 2000 mm
Machine rapid Speed	12000 mm / min
Cutting Thickness by Oxyfuel	6mm – 300mm
Cutting Thickness by Plasma	3 mm to 30 mm as a Standard
Programming Accuracy	±0.1mm
Repeatability Accuracy	±0.2mm
Cutting Accuracy	As Per Standard: IS 9013
Plasma Power Source	with 65 A ~ 200 A as a Standard

CNC CONTROLLER	
Operation Panel	15 inch LCD graphic display
Language	English
Program Input	Key Pad or USB port
Drive Control	X and Y, 2 axis control
Program Format	ESSI / EIA Format(Metric or Inch)
Shape Library	45 patterns
Operation Function	Trial Run, Reverse, Plate Alignment, Mirror, Array
Nesting software	FASTCAM or MOST 2D

OPTIONAL PLASMA POWER SOURCE

Powermax 105 *SYNC*

Powermax 125

MAXPRO 200

KING CUT PRO

CNC CUTTING MACHINE

AVAILABLE WITH OXYFUEL & PLASMA

Key Attributes

- The machine is an economic machine suitable for Oxyfuel Cutting and Air Plasma.
- Dual drive mechanism with linear guide ways.
- The machine is ergonomically designed.
- 15 inch high brightness LCD with all standard menu.
- The machine has the option of Automatic Torch Ignition for Oxyfuel Cutting.
- The machine has both automatic and manual torch height control option.
- Can be used with upto 2 torches as standard. (1 Plasma +1 Oxyfuel or 2 Oxyfuel)

KING CUT PRO

CNC CUTTING MACHINE

TECHNICAL SPECIFICATIONS

DESCRIPTIONS	VALUE
Effective Cutting Width	1500 to 5000 mm Standard
Effective Cutting Length	4000 to 12000 mm Standard / Multiple of 2000 mm
Machine Rapid Speed	25000 mm / min
Cutting Thickness by Oxyfuel	5 mm – 300 mm
Cutting Thickness by Plasma	0.5 mm – 120 mm
Programming Accuracy	±0.1 mm
Repeatability Accuracy	±0.2 mm
Cutting Accuracies	As Per Standard : IS 9013

CNC CONTROLLER	
Operation Panel	15 inch LCD with Touch Screen
Language	English
Max Programme Lines	15 million lines
Program Input	Keypad / USB port / ETHERNET
Data Memory	256 MB RAM, 1MB CMOS –RAM, Battery Buffered.
Drive Control	4 axis control
Interfaces	CAN-bus
Program Memory	1 GB Flash
Program Format	ESSI / EIA Format(Metric or Inch)
Operation Function	Trial Run, Reverse, Plate Alignment, Mirror, Array
Nesting software	Hypertherm Pronest / Lantek

OPTIONAL PLASMA POWER SOURCE

Kjellberg
Smart Focus Series

Kjellberg
Hi Focus Series

Hypertherm
XPR300

KING DRILL

CNC PLATE DRILLING

Key Attributes

- Standard side coolant.
- PLC/CNC controlled.
- BT & MT tool compatibility with sleeves.
- Automatic spindle speed and feed selection based on drill diameter.
- Laser alignment with multi-point referencing for plate alignment.
- Automatic lubrication system.
- All-axis motion controlled by AC servo motors.

Optional

- Automatic tool length detection.
- Coolant through spindle. (CTS)
- Chip conveyor for collection and retrieval.
- Hydraulic clamping systems for plates.

KING DRILL

CNC PLATE DRILLING

TABLE TYPE

TECHNICAL SPECIFICATIONS			
Models	Unit	King Drill 1500	King Drill 2000
Table size	mm	1500 X 4000	2000 X 4000
Z Lifter effective stroke	mm	350	
Plate thickness	mm	50-100	
Positioning accuracy	mm	± 0.1	
Positioning speed	m/min	16	
Number of spindle		1	

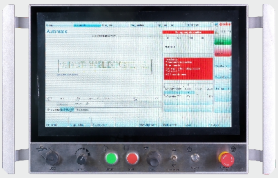
CNC CONTROLLERS

CNC CUTTING MACHINE

TECHNICAL SPECIFICATIONS

Hypertherm EDGE Connect

This setup combines the EDGE Connect CNC with a 495 mm (19.5") touchscreen within an industrial enclosure. It includes a hardware operator's console with switches for starting, stopping, programming, manual speed control, raising / lowering the torch, and a joystick for easy operation.



ECKELMANN E° Control CNC

The Eckelmann E°Control CNC provides all necessary functions for various machine types. With dependable hardware and robust software, it delivers exceptional performance for Oxy-Fuel and Plasma Cutting applications.

FL CNC Controller

This CNC controller is user-friendly, convenient, and cost-effective. It controls motion for two axes, suitable for flame, plasma, or laser cutting. It uses a high-performance ARM chip and FPGA, running a real-time operating system with software and hardware interpolation for stable, reliable operation at high speeds.

HYPERTHERM ProNEST

SOFTWARE

Key Attributes

- Import CAD files (industry-standard file formats)
- Import PDF
- Raster to vector converts static images to CAD
- Automatic CAD file correction and error notification
- Automatic spline/ellipse smoothing and reduction
- Separate multiple parts from a single CAD file
- Automatic mapping of CAD layers to processes (cut, mark, etc.) Material type, thickness, grade and class-based process parameters:
  - Separations for part, plate, and pierce spacing
  - Kerf compensation and feedrate
  - Lead-in/out style optimized for part geometry and quality
  - Cutting techniques
  - Disable automatic height control based on part geometry
  - Pre-pierce and edge pierce
  - Pre-heat timing for oxyfue
- Cut sequencing (automatic or manual)

BEVEL HEAD

BEVEL HEAD ± 50° BEVEL ANGLE

Description		Axis A - HEAD	Axis B - TORCH
Work Position	type	Horizontal	
Angle Bevel	max	± 90°	± 90°
	work	± 50°	± 50°
Axis kinematics	data	backlash "0" < 1 arc/min	
Motor Encoder	type	Incremental / Absolute multiturn	

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