

Mini
HORNET 





MINI HORNET

- Available in 5 ft width
- 10 ft or 20 ft length

TYPICAL END USER TYPE:

- Small fabrication shop / Vocational college / Factory maintenance department

TYPICAL PRICE RANGE:

- \$45,000 plus

FEATURES:

- **Hypertherm** MicroEDGE CNC Control with **Phoenix** CNC software
- **(3) Axis** Drive Control System
- Single Zone Center-Draft air exhaust table
- SENSOR-1 Plasma Torch Height Control Software
- RSVS-1 Plasma Torch Lifter with RAD Plasma Collision Mount
- Dual Hardened Vee Ways on Cross Axis
- Triple Machined , Tongue & Grooved Tee Rail for main rail axis
- AC Digital Drive Amplifiers and Servo Motors
- Planetary gear heads (5 arc minute)
- 600 IPM contouring & 1,000 traverse speed
- Flexible Cable Carriers for All Cables and Hoses

OPTIONS:

- (1) Plasma system (Conventional)
- (1) Motorized Oxy-fuel torch station with Basic Oxy-fuel Gas Manifold
- (4) Zone Center-Draft air exhaust table or Water table with adjustable water level
- Dust Collection Systems
- MTC Nesting Software



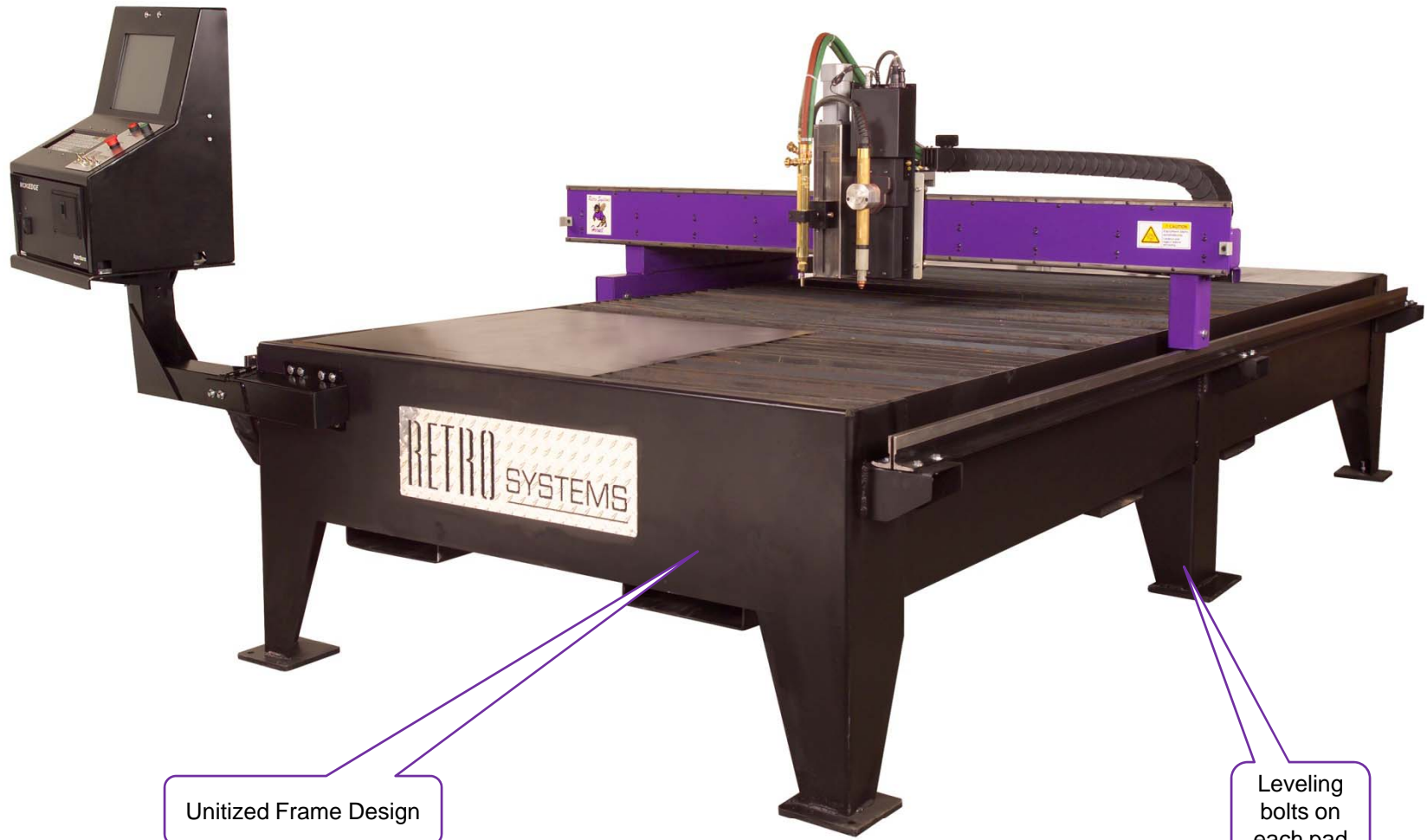


Hypertherm
MicroEDGE
CNC Control



5 x 10 Cutting Area





Unitized Frame Design

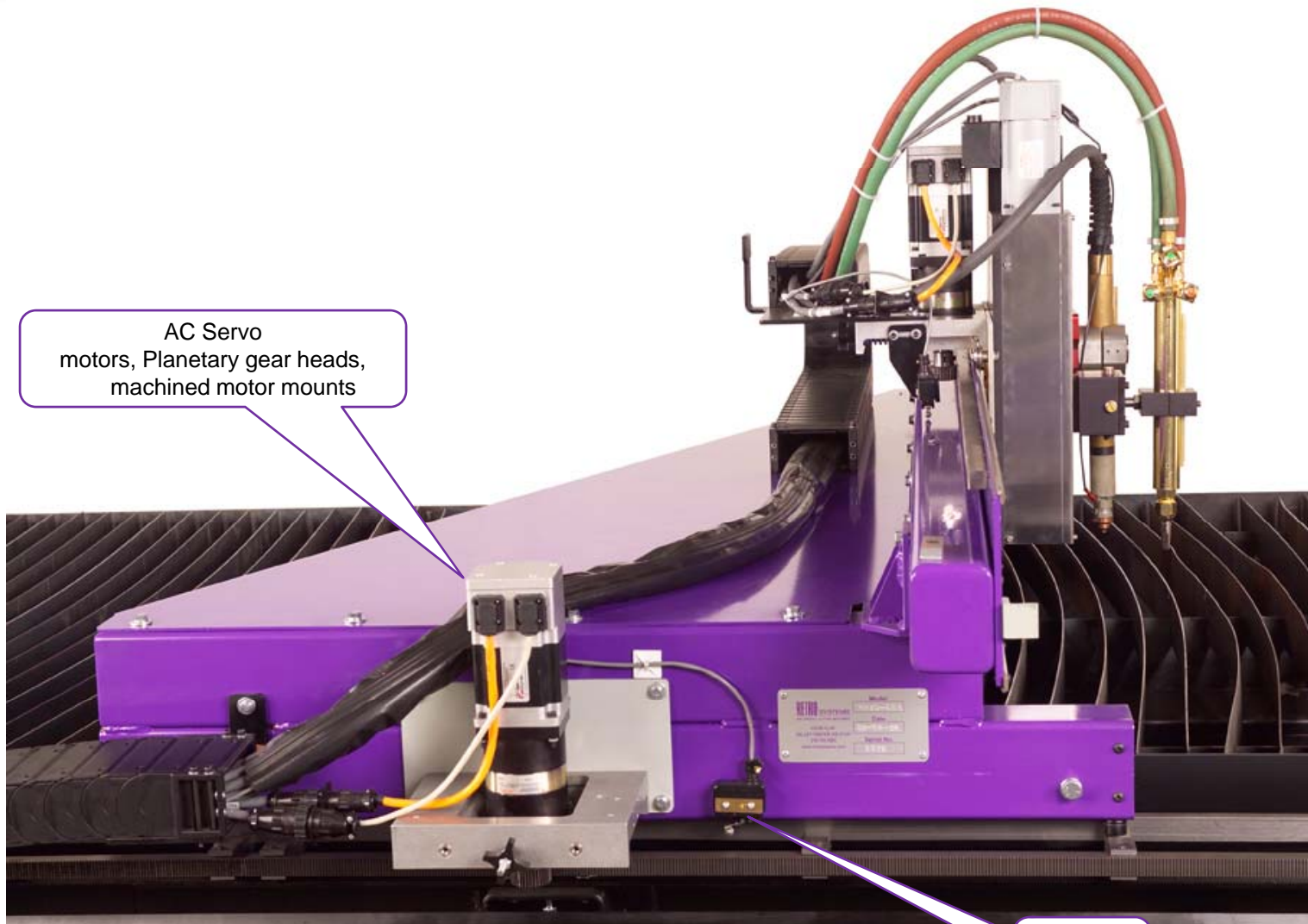
Leveling bolts on each pad





- Hypertherm MicroEDGE
- Industrial PC enclosure
- 15" TOUCH Screen
- Industrial Keyboard
- Floppy Drive, CD ROM Drive, (5) USB Ports
- RJ45 Network Port
- CNC ON/OFF switch
- E-STOP
- Dust Collector START/STOP buttons (optional)
- Plasma P.S. ON/OFF Switch
- Plasma Torch UP/DOWN Switch
- Plasma/Oxy-fuel Mode Switch (optional)



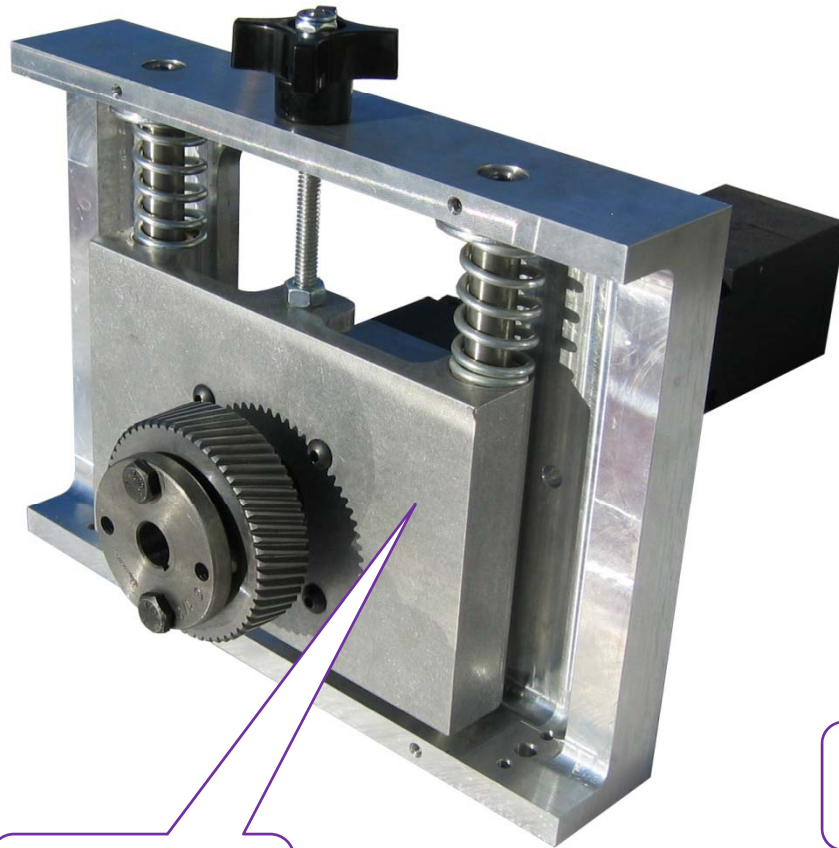


AC Servo motors, Planetary gear heads, machined motor mounts

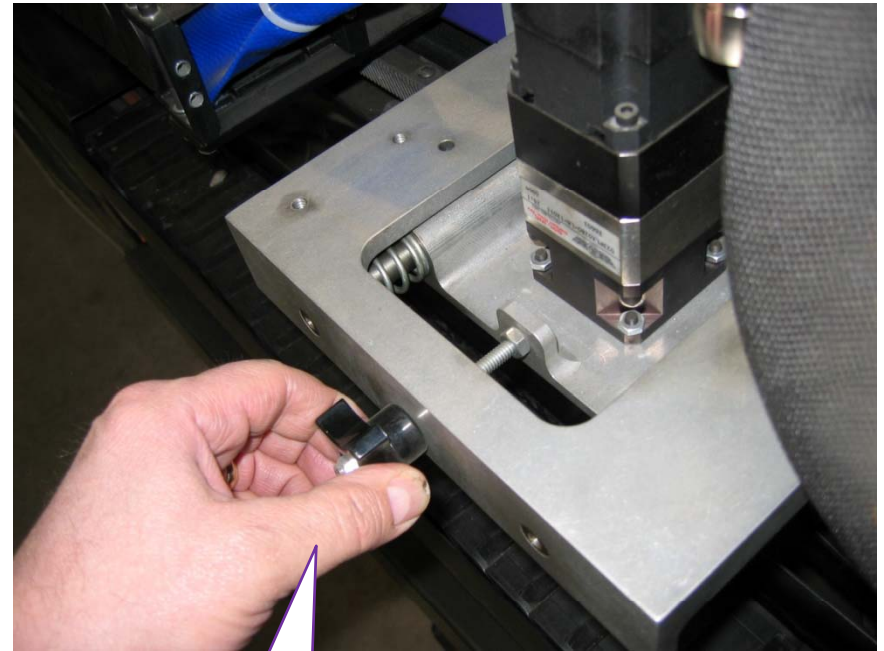
Homing Limit Switches

Master rail and view of back deck



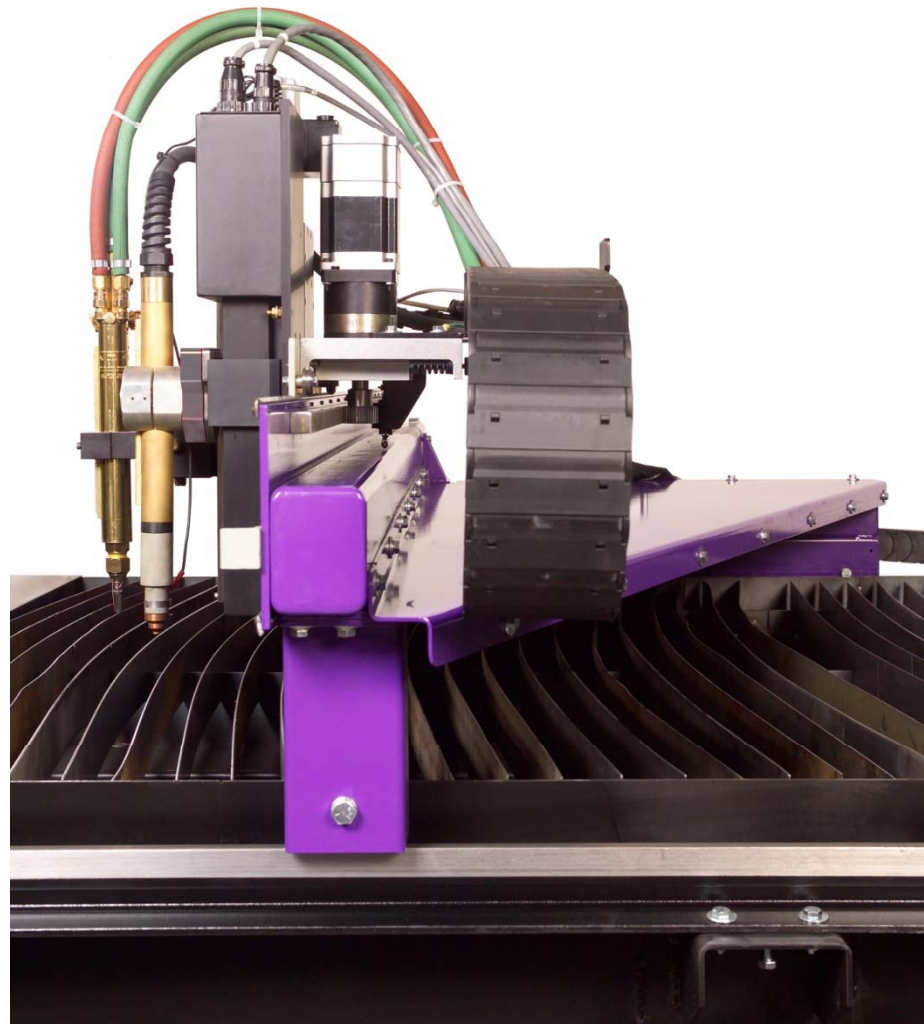


Factory Pre-Set
Spring Loaded
Servo Motor
Mount

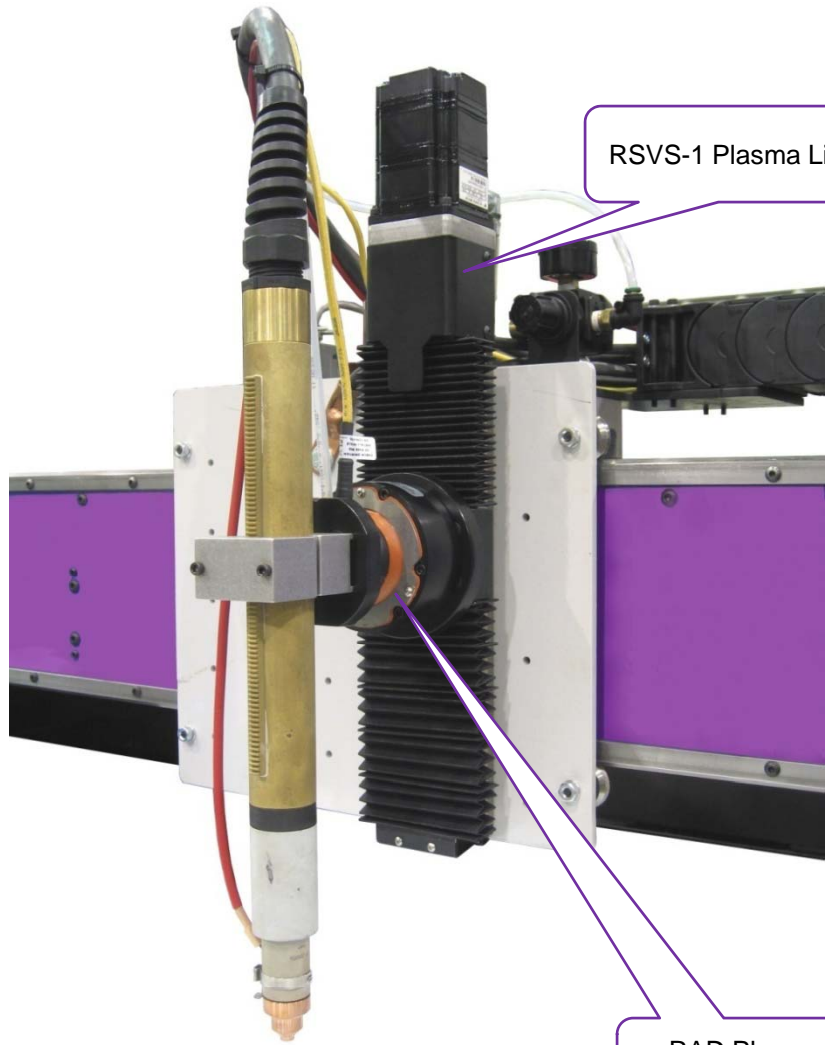


Adjusting Knob is backed off
completely to set tension



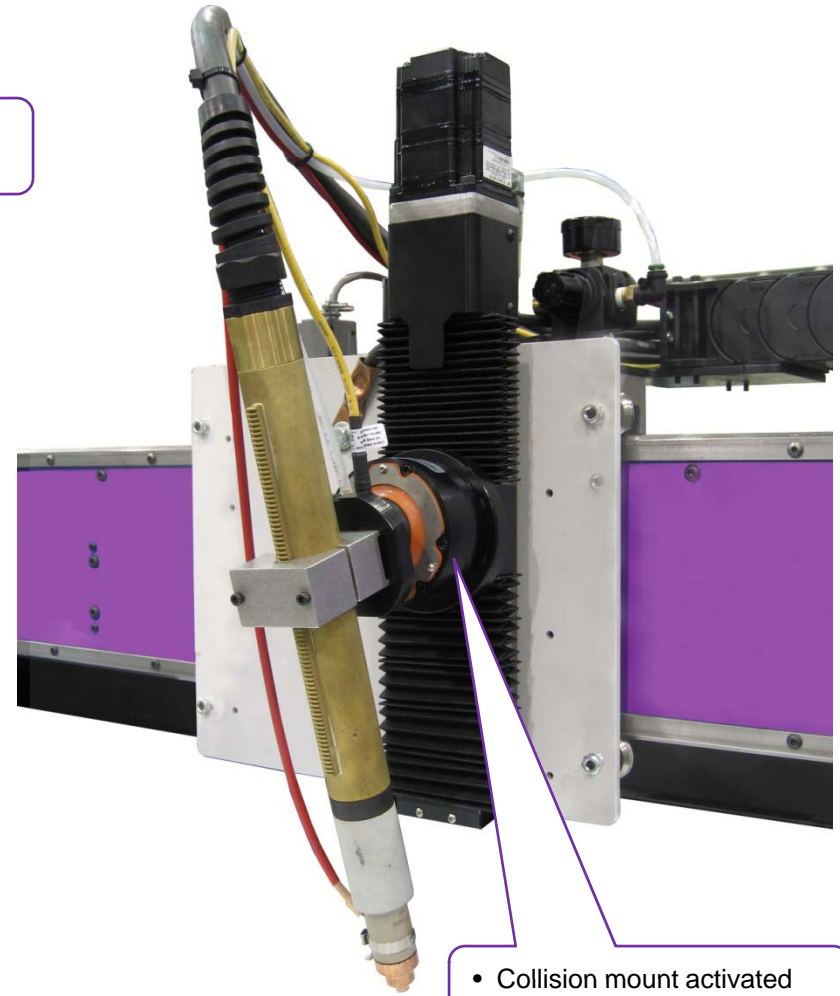


Outboard rail and view of back deck



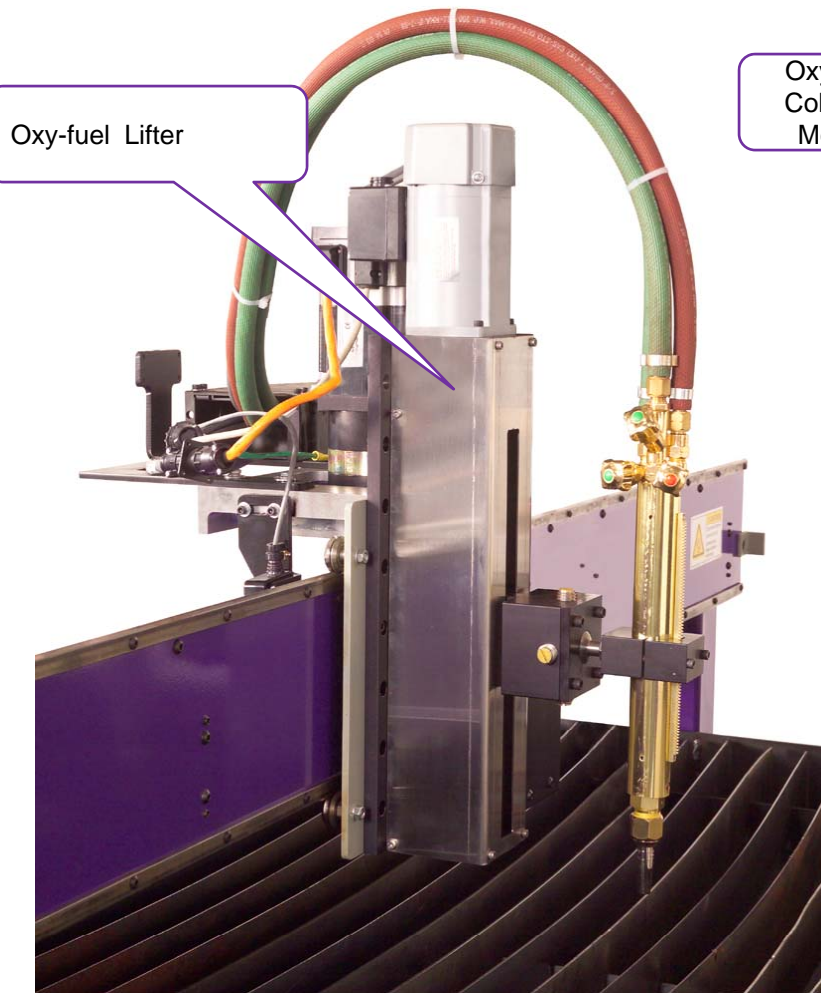
RSVS-1 Plasma Lifter

RAD Plasma Collision Mount



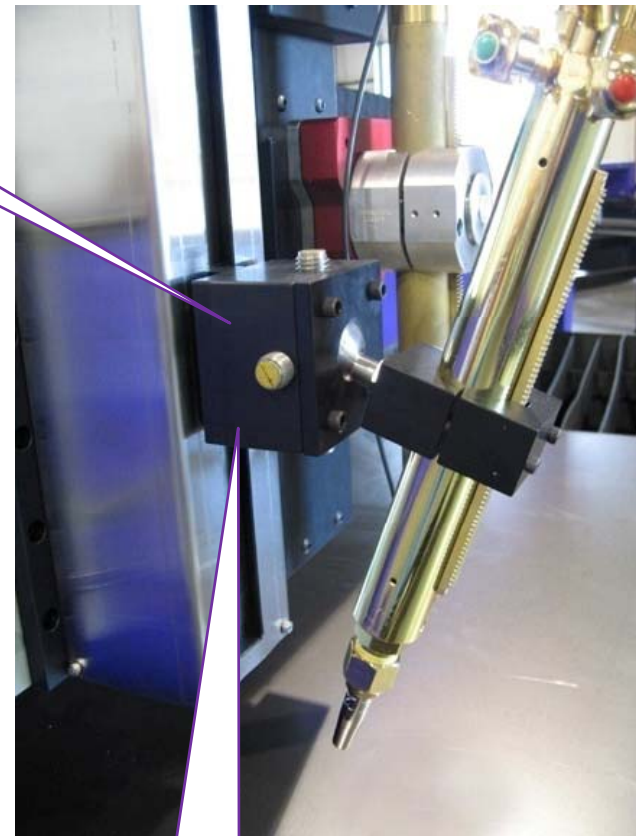
- Collision mount activated
- Mount resets after collision





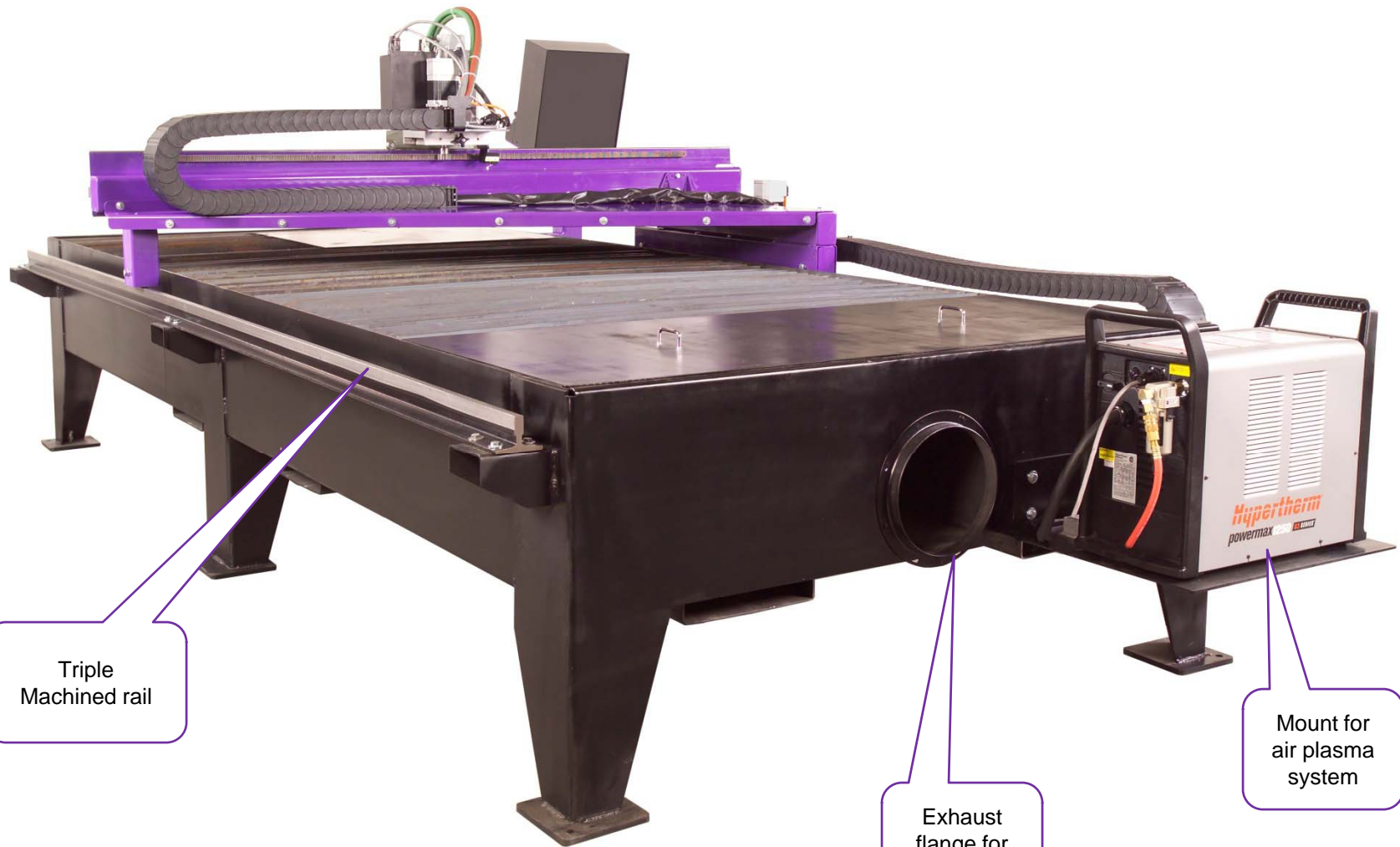
Oxy-fuel Lifter

Oxy-fuel
Collision
Mount



Four spring-loaded
set screws adjust
tension



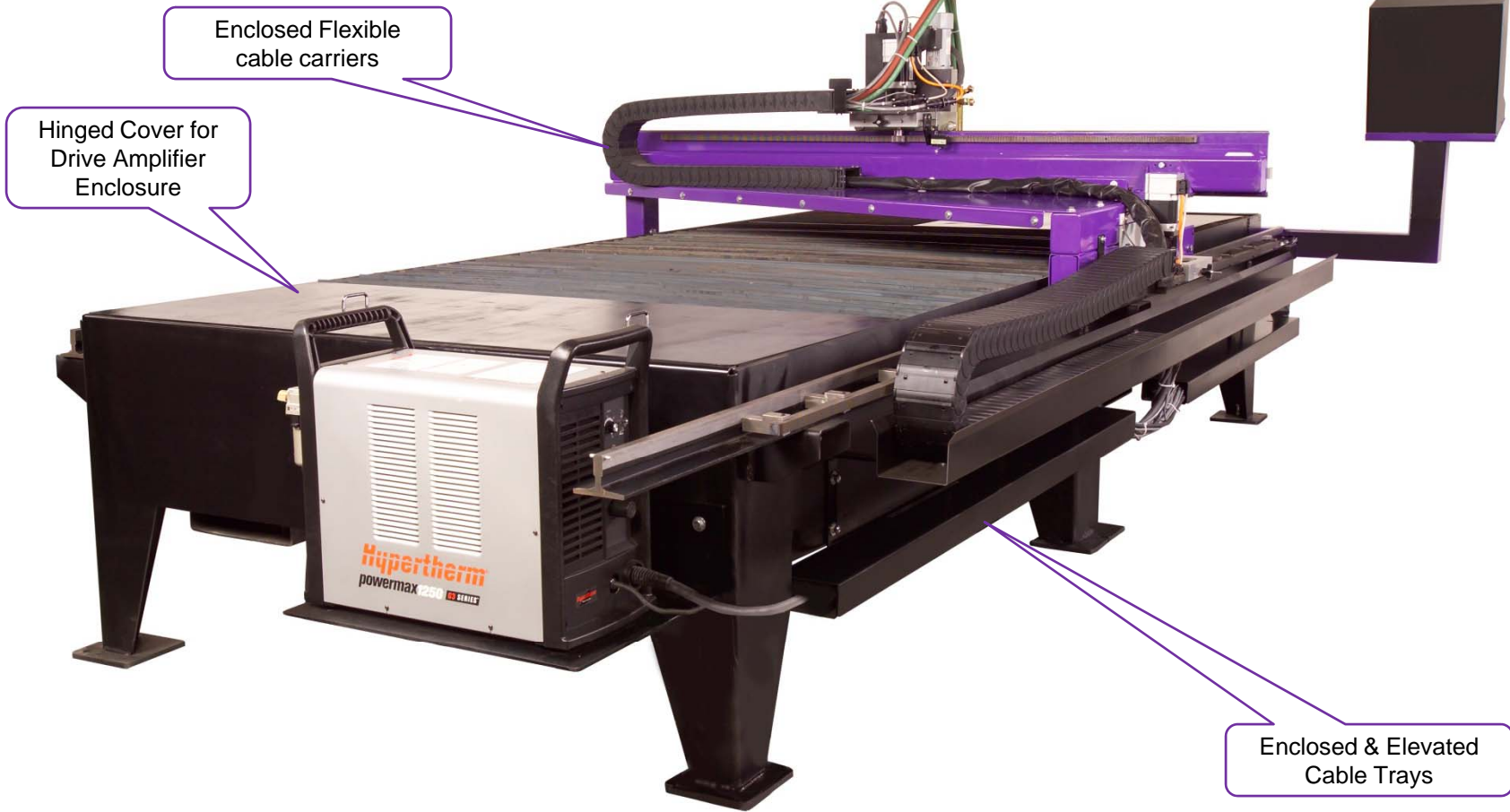


Triple
Machined rail

Exhaust
flange for
ducting

Mount for
air plasma
system





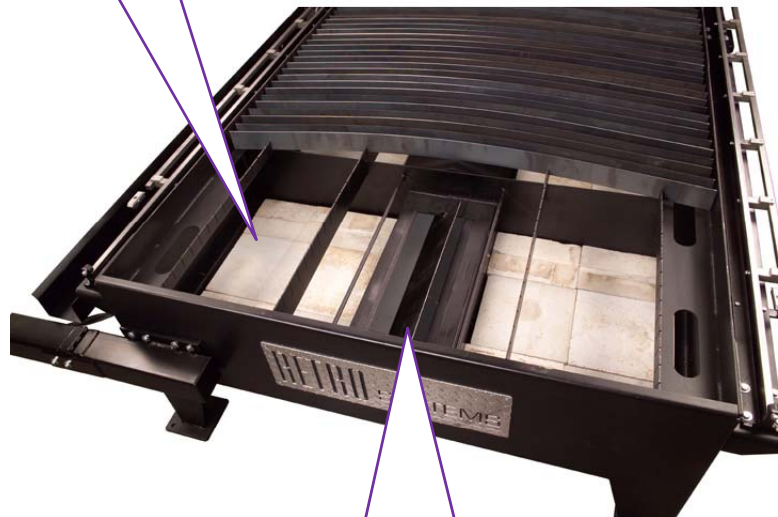


Slotted Center Air Exhaust Tube

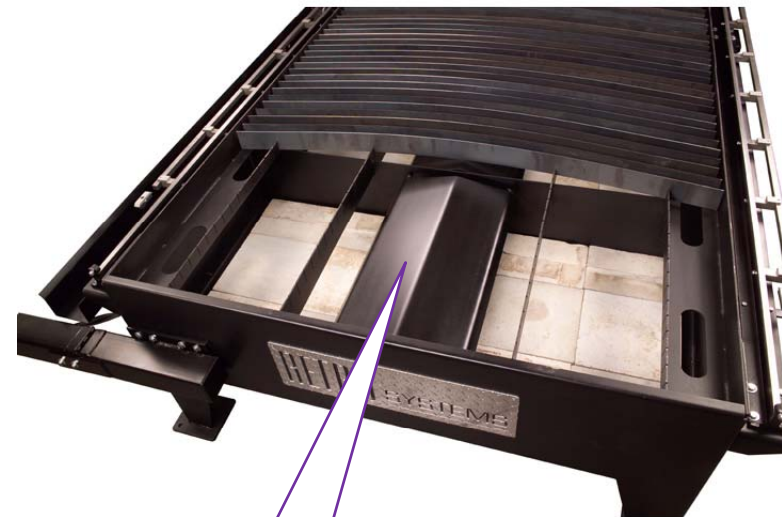


Standard Single Zone Air Table

Concrete Blocks
Protect Table
Bottom



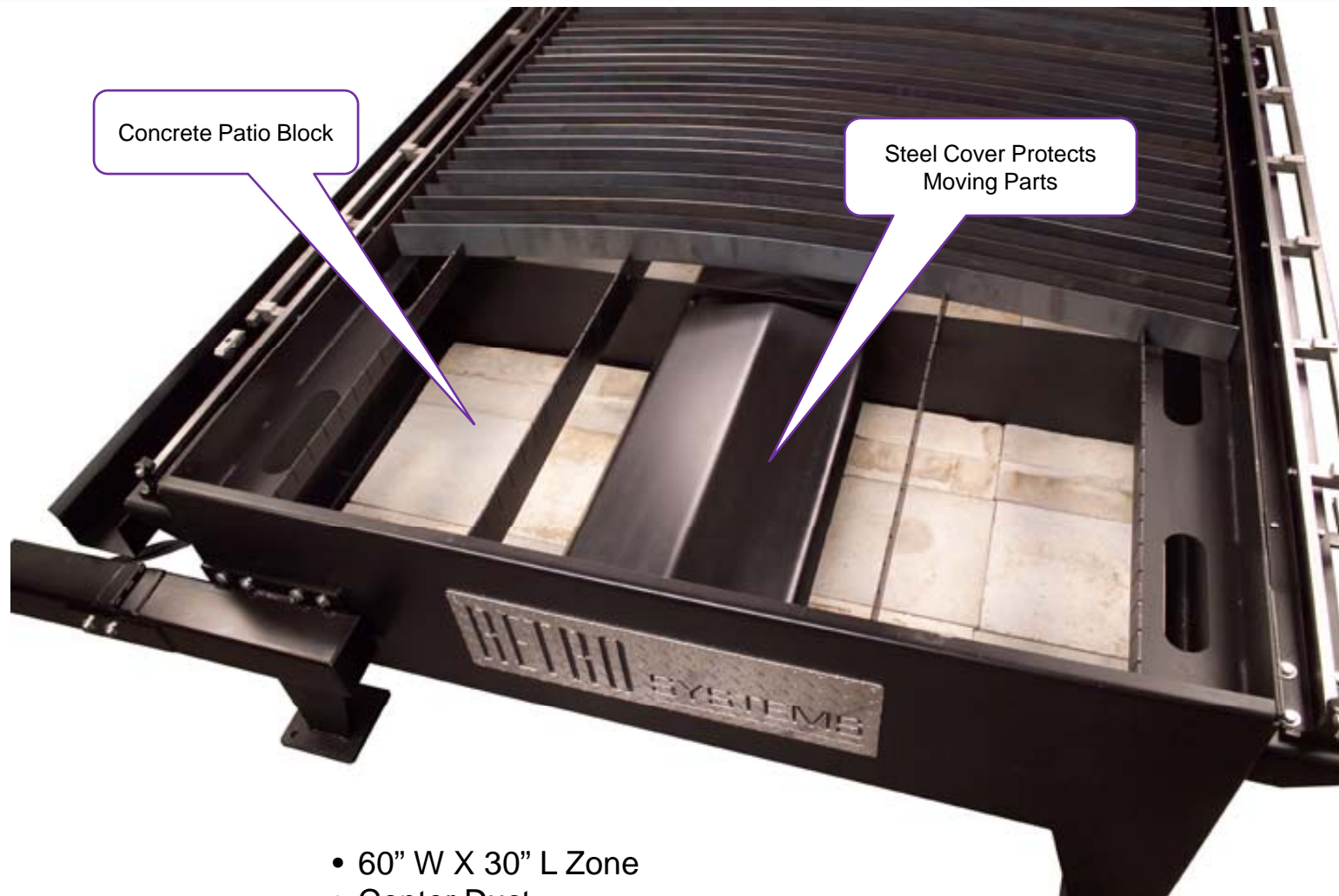
Air Cylinder Actuated
Damper Doors Open/Close
Based on Gantry Position
Along Rails



Heavy Steel
Plate Covering
Moving Parts

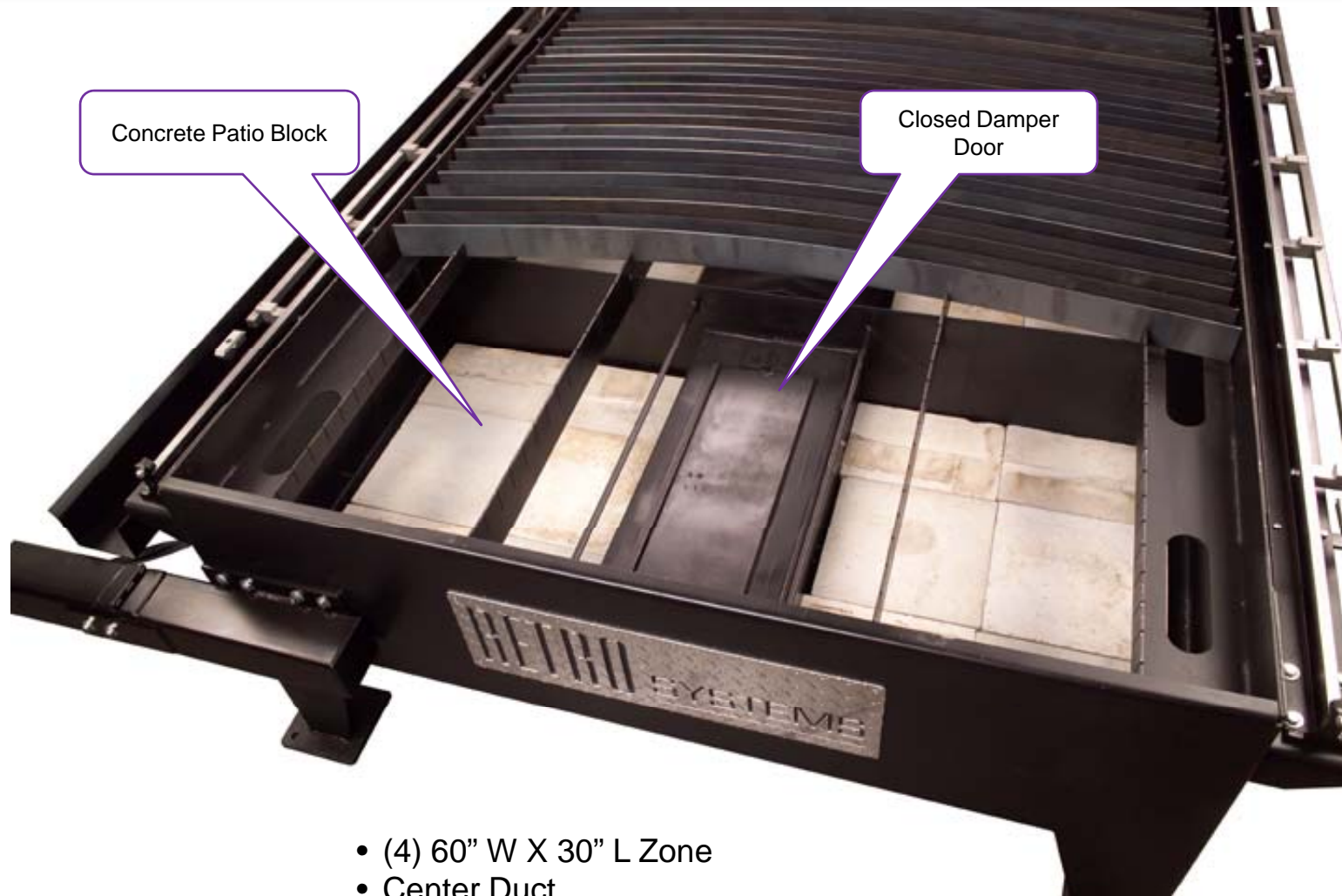
Optional Four Zoned Air Table with Damper Doors





- 60" W X 30" L Zone
- Center Duct
- Removable Heavy Steel Cover Protecting Moving Parts
- Air Cylinder Actuated Damper Door



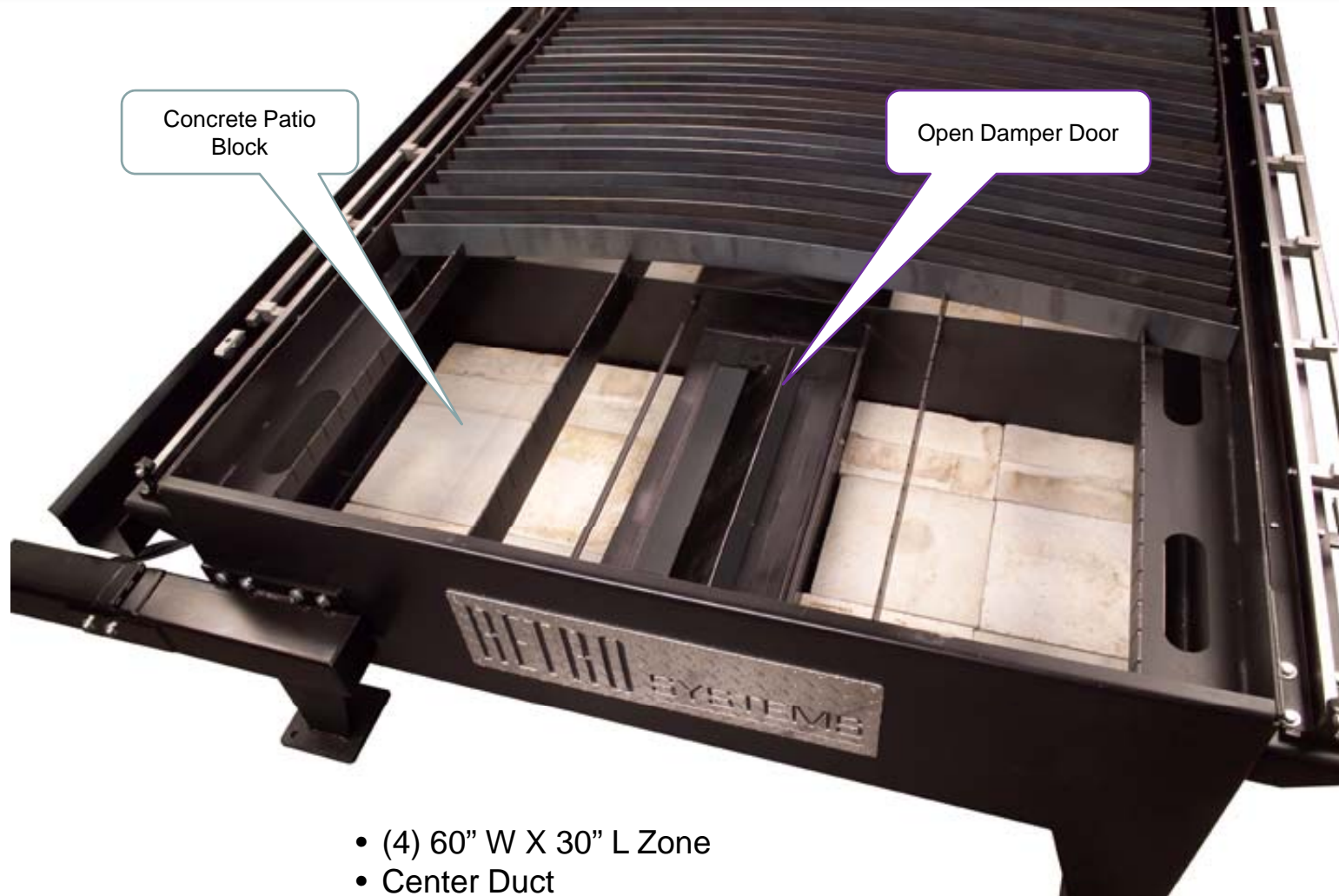


Concrete Patio Block

Closed Damper Door

- (4) 60" W X 30" L Zone
- Center Duct
- Air Cylinder Actuated Damper Doors
- Concrete Patio Block on Floor of Table



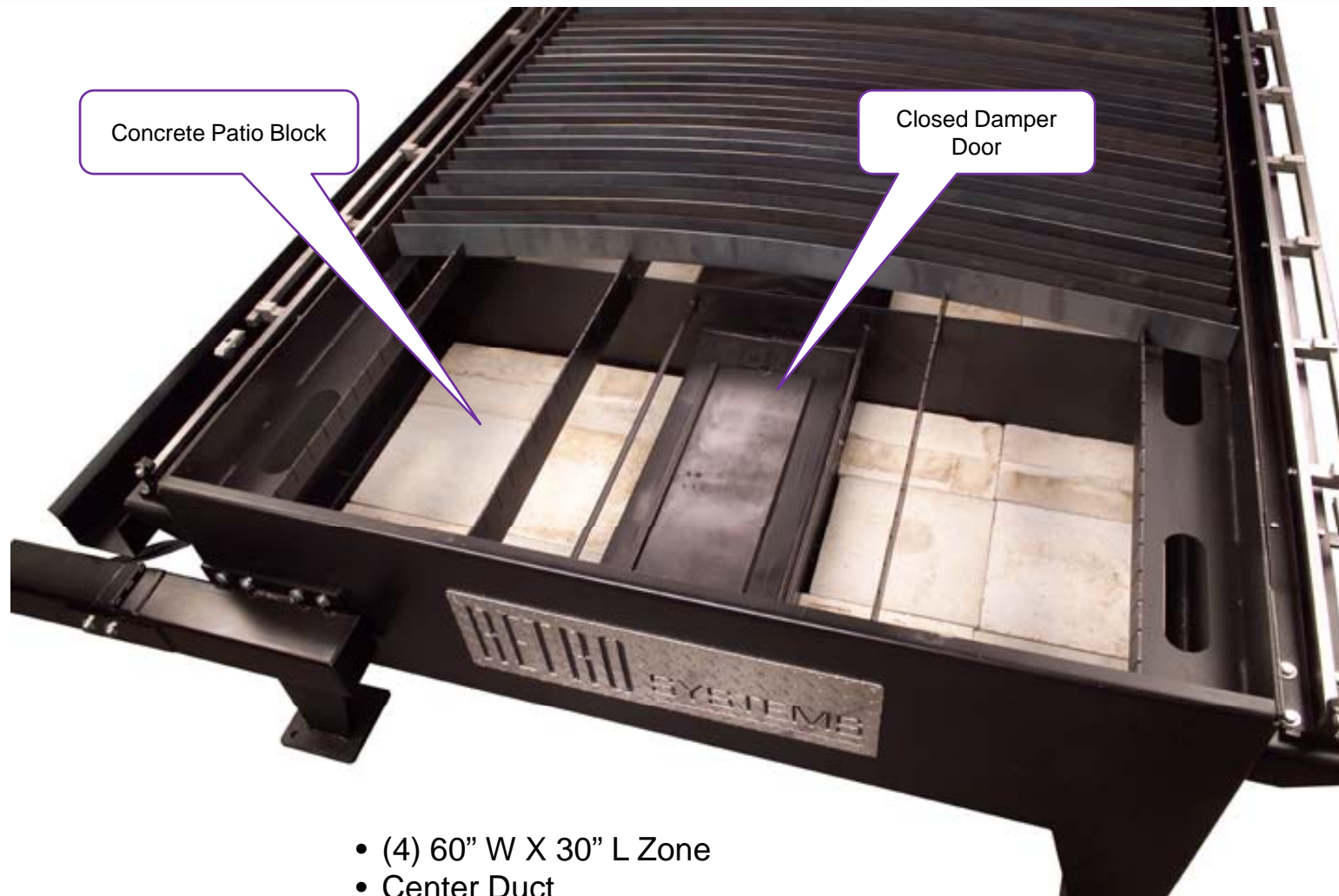


Concrete Patio Block

Open Damper Door

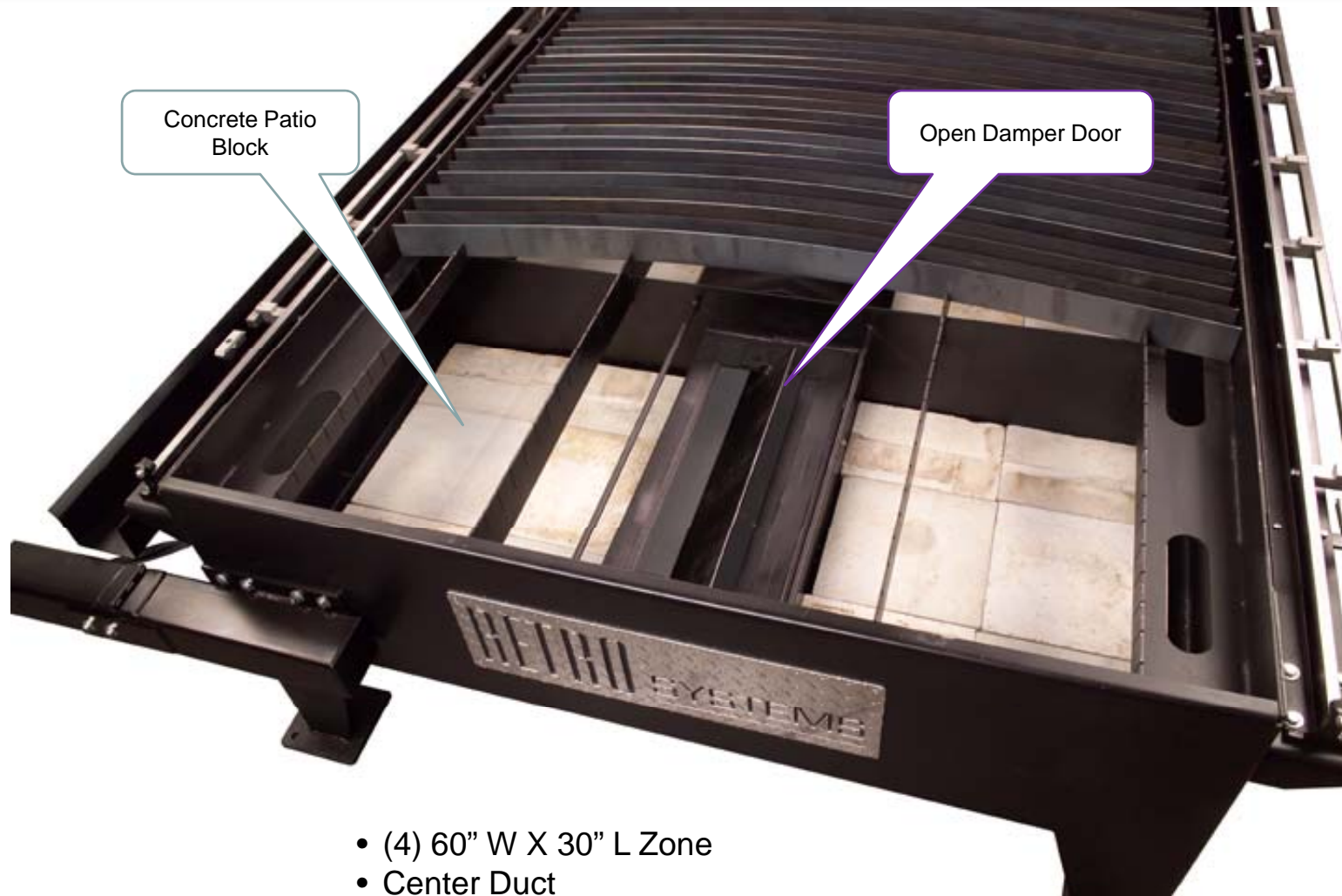
- (4) 60" W X 30" L Zone
- Center Duct
- Air Cylinder Actuated Damper Doors
- Concrete Patio Block on Floor of Table





- (4) 60" W X 30" L Zone
- Center Duct
- Air Cylinder Actuated Damper Doors
- Concrete Patio Block on Floor of Table





Concrete Patio
Block

Open Damper Door

- (4) 60" W X 30" L Zone
- Center Duct
- Air Cylinder Actuated Damper Doors
- Concrete Patio Block on Floor of Table



Thank you

