KOIKE ARONSON RANSOME

Koike Aronson 2022

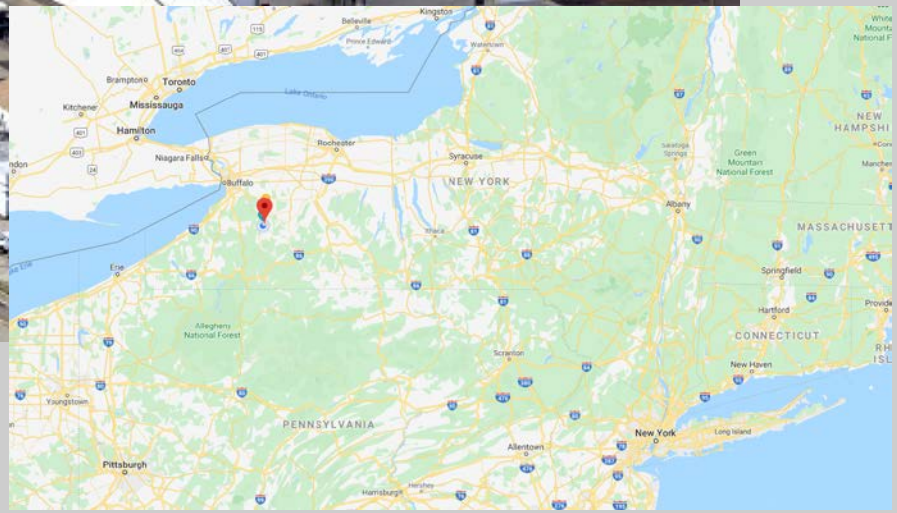
“Simply Better Built.”

AHB
TOOLING & MACHINERY
COMPLETE METALWORKING SOLUTIONS
(800) 991-4225
ISO Certified
www.ahbinc.com
customerservice@ahbinc.com

ShopProXHD™

100 KOIKE 100th Anniversary

KOIKE ARONSON RANSOME



ShopProXHD™

Arcade, NY: 170,000 Square Feet

KOIKE ARONSON RANSOME

Vertically Integrated Manufacturing

Final Assembly And Testing

Saw

Burn

Painting

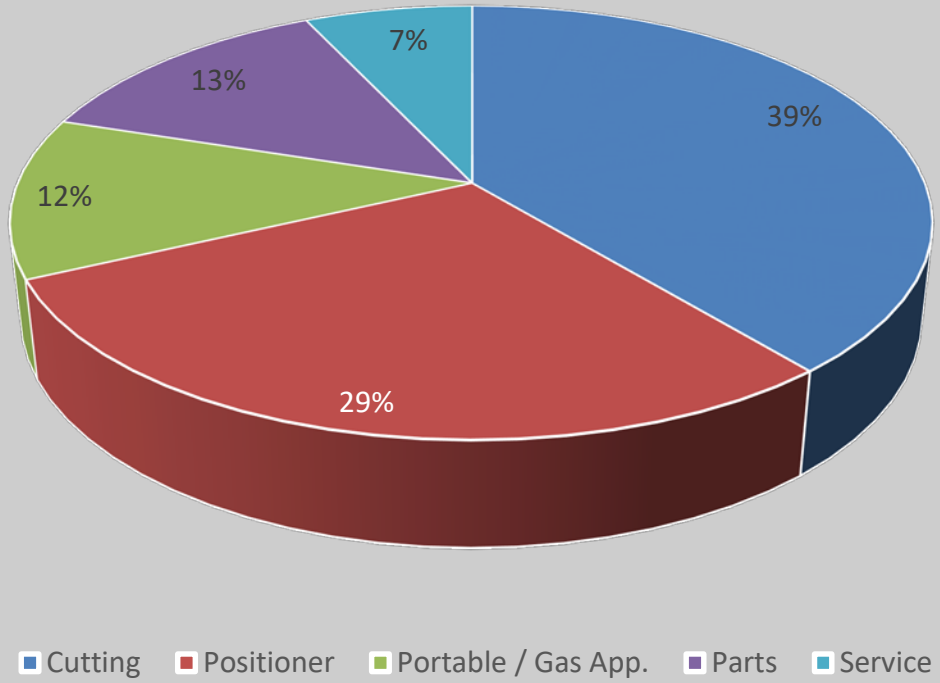
Weld

Electrical Assembly

Sub Assembly

Machining

ShopProXHD™



Diversified product line that caters to an equally diversified group of end-users across the cutting and welding industry

Summary

Three Business Units make up Koike

- **Cutting Machine**
- **Positioner**
- **Portable/Gas Apparatus**

Cutting Machines

K-Jet

Shop-Pro

Monograph Extreme

LaserTex

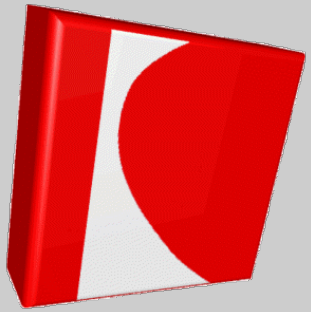


Plate-Fab

Versagraph Extreme

Plate-Pro

Mastergraph EX2

Plate-Pro XHD

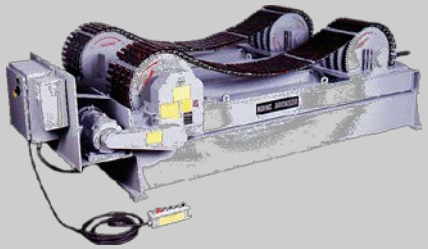
Supergraph

ShopProXHD™

Positioner

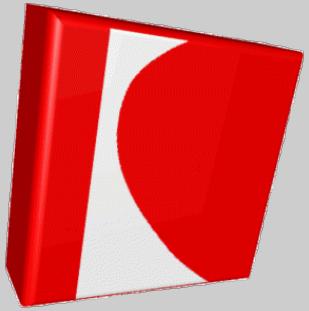
Positioners

Robotic



Turning Rolls

Manipulators



Tank Construction

Universal Balance

Floor Turntables

Seamers

Head & Tail

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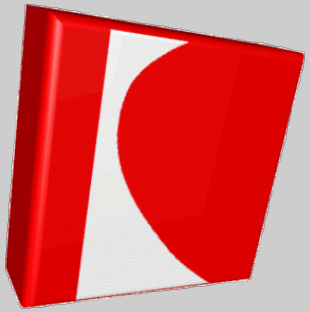
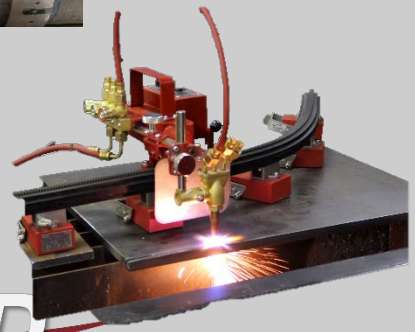
Portable & Gas Apparatus

Gas Apparatus Equipment



Cutting Equipment

Welding Equipment



ShopProXHD

KOIKE
ARONSON RANSOME

ShopProXHD™ KATANA

made in the USA

Plasma Torch

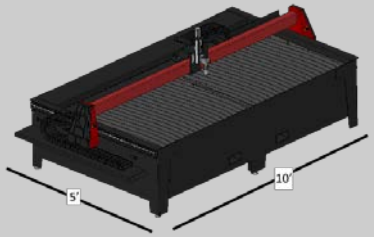
Gantry

CNC

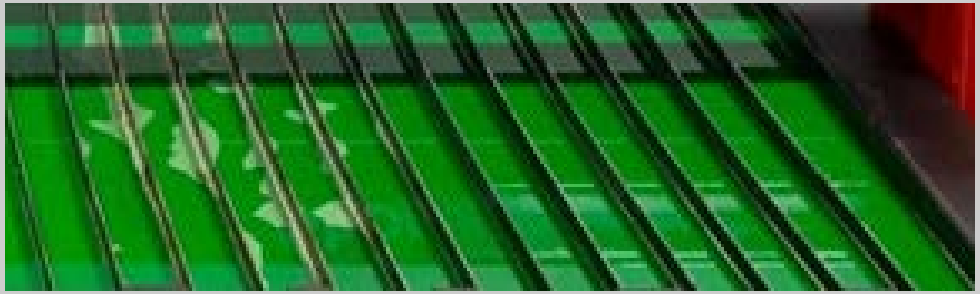
Roll-A-Round CNC Stand
With Keyboard and Mouse

Table

Table Features

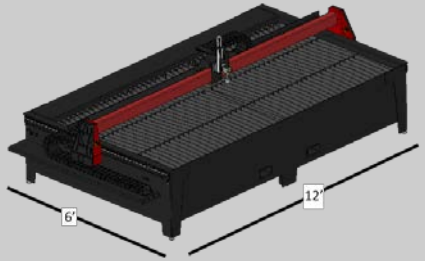


5 x 10 Starting at $60,250.00
Includes CNC, Stand and Height Control



Water Table (Standard) with Curved Slat Design

- Curved slats extend the life of the slat by not allowing the cutting process to ruin the slat in one pass.
- Shown with additive to eliminate algae. Also has rust inhibitor to minimize rust in the table, slats, and on plate surfaces and parts.



6 x 12 Includes CNC, Stand and Height Control

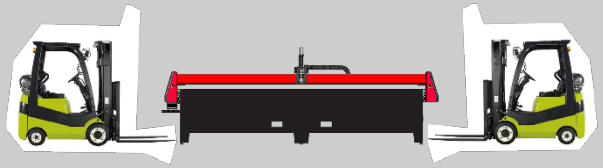
Zoned Downdraft Table (Optional)

- (2) Zones for Customer Supplied Ductwork
- Table coverage of 90 % required
- Minimum 2500 CFM

Table Features

Fork Truck Pockets Located on All Sides

- Allows for easy placement and location flexibility at a later date



Fabricated with
3/16” Thick Steel

Deep Table Design
for 300 Amp Plasma

(2) Removable Slat Frame
Assemblies for Ease of Cleaning

Adjustable Leveling Pads
for Simple Install

2” Thick Cutting Capacity

ShopProXHD KATANA

Gantry

6” Stroke Height Control

X-Axis Drive Carriage

Wide Cable Carrier For Maximum 300 Amp Hi-Def Plasma System

Y1-Axis Drive Saddle

Y2-Axis Drive Saddle

Steel Tube Main Beam

Gantry Design

Can be Installed Against a Wall Saving Valuable Floor Space

Plate Can be Easily Loaded From the Front of the Table by Hand or by Fork Truck

Longitudinal Slat Design Allows Loading the Plate to Slide Along The Top Surface of the Slat

Fabricated Steel Gantry Design Allows For Wider Cutting Width's and Shorter Cutting Length's

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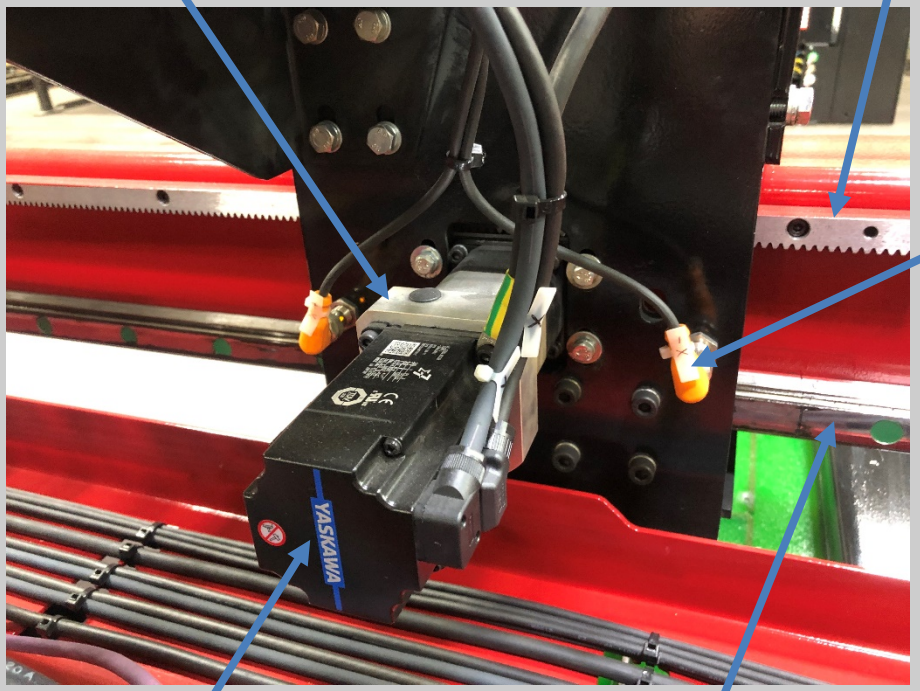
Gantry Features

X-Axis Cross Carriage

15:1 Low Backlash Planetary Gearbox

Helical Rack And Pinion



Overtravel Proximity Switch

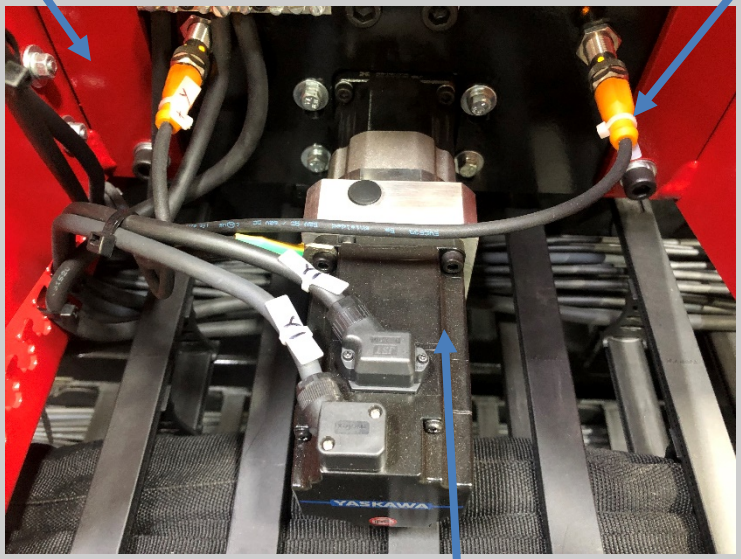
NEMA 34 AC Servo Motor

Large Size 35 Linear Bearing

Y-Axis Drive Saldle

Fabricated Steel Saldles

Overtravel Proximity Switch



NEMA 34 Servo Motor

- 15:1 Low Backlash Gearboxes
- Helical Rack and Pinion Dual Side Drive
- Large size 25 Linear Bearings

Z-Axis Lifter

6” Stroke AC Servo Motor Lifter
- NEMA 23 Servo Motor
- Ball screw with Linear Bearings
- Fully Protected From Harsh Environments

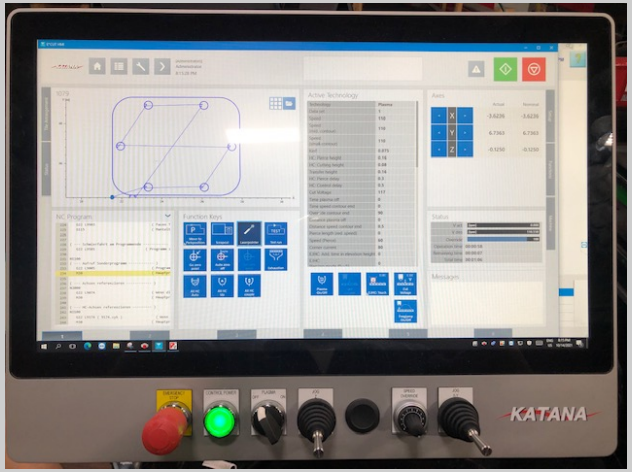
Laser Pointer
- Used For Plate Alignment
- Used as Visual Indicator for Position on Plate
- Uses Green Crosshair

Torch Clamp sized for XPR Plasma System, and MaxPro 200

Magnetic Torch Breakaway
- Safety stop if torch hits tip up on plate
- Damage protection for torch in event of “crash”

Back-up switch for Ohmic contact. Will engage when cutting rusty plate. Continues to set proper pierce height when Ohmic fails.

Koike Katana CNC Controller



Koike Katana CNC Controller Package

Katana CNC Features:

Windows®10, Intel Core i5 Processor
226GB SSD Hard Drive or better
8 GB RAM 21.5 Inch TFT Display
Capacitive Multi Touch Screen
3 USB Ports, Wireless Keyboard and Mouse
Forward and backup on path function
Skip to pierce or Skip part function
Part Program Support, Remote Help
Supports Networking , Auto Gas Support
DXF Input, Simple Shape Nesting
Select-able Process Parameter table

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Katana CNC

Built in Operator console. Contains E-stop, Plasma On/Off, Z axis joystick, Speed override, X & Y Axis Joystick

Easy to position roll-a-round stand

Wireless Keyboard and Mouse

Cables Protected Using seal-tite

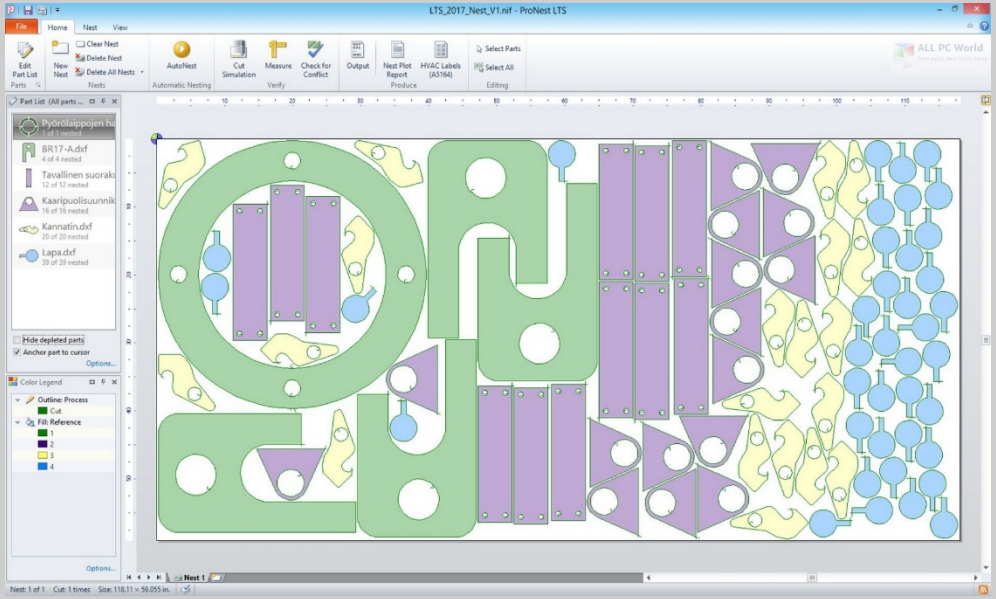
Standard Roll-A-Round CNC Stand

Koike Katana CNC Controller Hypertherm True Hole Certified

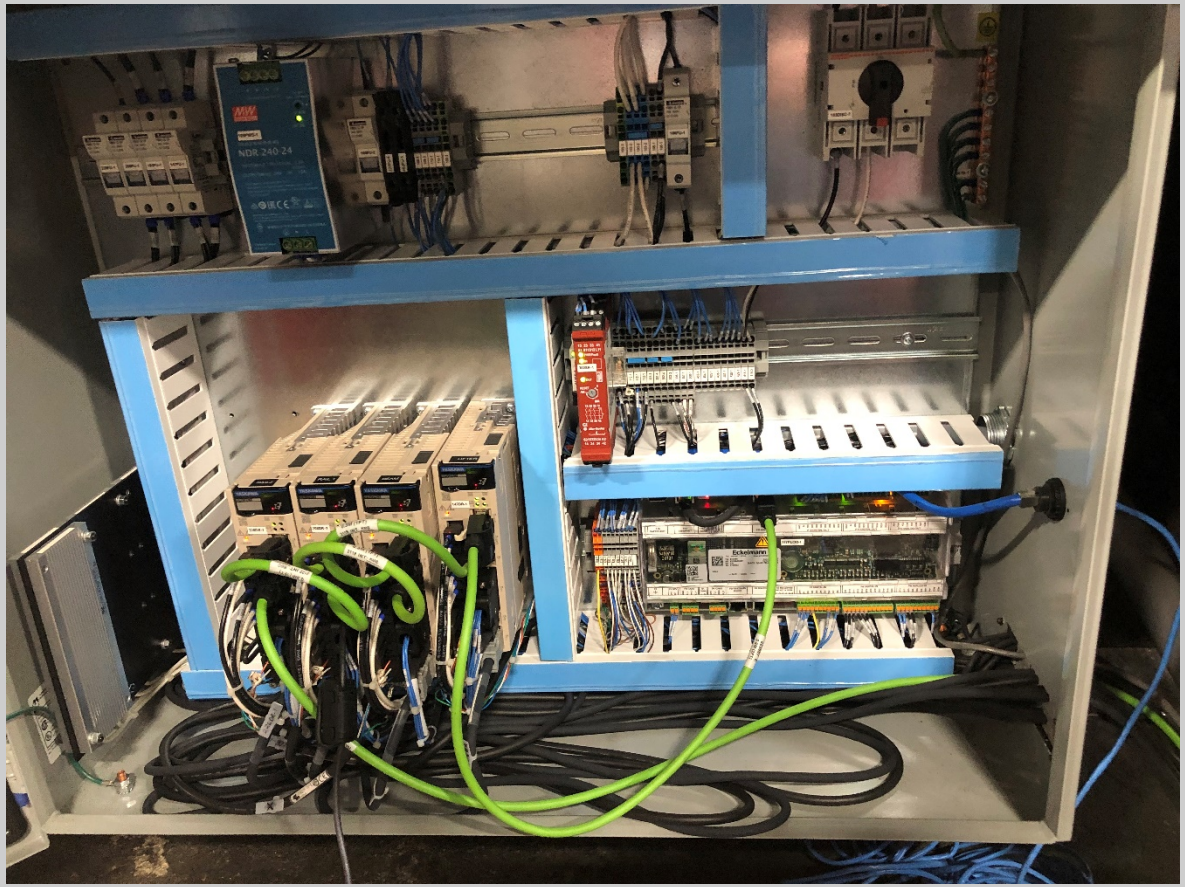
Koike Katana CNC Controller Package
Hypertherm True Hole Certified

Superior 1:1 Hole Quality
From 1/8” Thk Mild Steel
To 1” Thk Mild Steel Using
XPR300 Plasma System

Katana Pronest Post Processor



Koike Yaskawa Electrical Assembly



Koike is a certified UL Panel Shop
Complete Electrical Assembly is built at our facility
By our certified Technicians

Electrical Assembly Features:
400W Yaskawa AC Servo Drives
208-240/1/60 Power Requirement
Ethercat Interface to Drives, CNC and Options

Machine Specification:
2000 IPM Rapid Traverse Speed
50 mg Excelleration (True Hole only requires 40 mg)

Battery-less Absolute Encoders:
Remembers its position after a power outage and offers continuous real time true position monitoring. Increased programming flexibility – no need to reestablish ‘home’ when powered on. Ability to recover program right where you left off.

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All Plasma's Shown Have Quick Disconnect Torches

Plasma System

Hypertherm Series Conventional and Hi-Definition Plasma Systems

MaxPro 200
Max Pierce 1" MS
Max Edge Start 2" MS
Max Pierce 7/8" SS/Alum
Max Edge Start 1-1/2" SS/Alum
208-220-240-480/3/60

XPR170
Max Pierce 1-1/4" MS
Max Edge Start 2" MS
Max Pierce 3/4"SS/Alum
Max Edge Start 1-1/2" SS/Alum
208-220-240-480/3/60

XPR300
Max Pierce 2" MS
Max Edge Start 3" MS
Max Pierce 1-1/4" SS/Alum
Max Edge Start 2" SS/Alum
208-220-240-480/3/60

ShopProXHD KATANA

All Cutting Thicknesses Shown are based on Optimal Cutting with Best Results

Summary

- Long Lasting Space Saving Rugged Steel Design Up To 6 x 12
- Deep Table Design for up to 300 Amp Hi-Def Plasma Systems
- Can be Installed Against a Wall Saving Valuable Floor Space
- 2000 IPM Rapid Traverse Speed
- 50mg Acceleration
- 400 Watt Yaskawa AC Servo Motors and Drives
- Absolute Encoders Remembers Position Even After Power Outage
- Helical Rack and Pinion on all Axis
- Designed with Safety in Mind
- Katana CNC Controller on Roll-A Round Stand
- Hypertherm True Hole Certified w/Katana Pronest Post Processor
- 2” Plate Capacity, 2 Removable Slat Frame Assemblies
- 2-Year Warranty
- Free For Life Phone and internet Support
- Access to On-Site Factory Service Technician