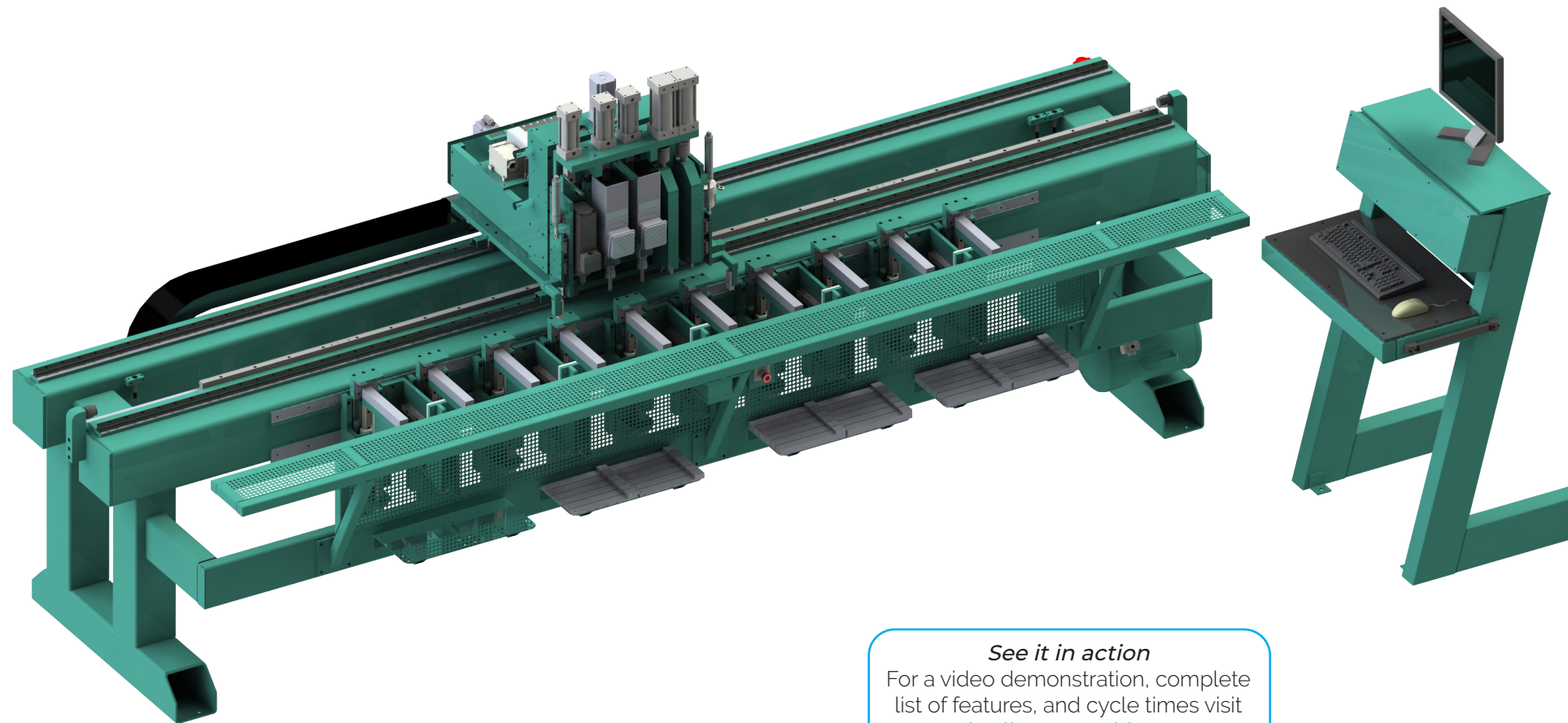


Flexibility and Precision Machining

The 965X allows customers to easily program and machine all of their door frame needs with a single compact machine: hinge and strike jambs, headers, mullions, astragals and more. The 965X is powered by KvalCAM, which allows rapid programming of hinges, T-strikes, 3-point locks, ball catches, dados, angled sill cuts, pilot holes, and cut-to-length on both jamb ends.



See it in action
For a video demonstration, complete list of features, and cycle times visit kvalinc.com/videos

Cutting Edge Technology and Features

- Unique design includes right hand and left hand routers to eliminate chip out
- Four 90-degree chisels are used for precise corner squaring on hinges and face plates
- Ten clamping fixtures that clamp upwards without flexing the jamb
- Jamb thickness and material variations are not a concern.
- Adaptable fixtures to hold mullions and astragals
- CNC pilot hole programming
- Beckhoff Controls



Innovation, Quality, and Honesty
SINCE 1947

965X

CNC JAMB & FRAME MACHINE

KvalCAM® The Ultimate Platform

The 965X is programmed and controlled by our patented KvalCAM software. Hardware machining programs and ready to run jamb files are easily created either with the machine's included console or from a network-connected computer. No G-code knowledge or experience is needed, making it easy to program for new and unique jamb hardware. Complex hardware templates including dados, hidden hinges, and angled jamb cuts are easy to create.

Jobs can be queued up and selected by either the operator or a bar-code scanning process. All machine control, calibration, and tool management is done within KvalCAM. Tooling diameters can be changed and KvalCAM will still auto-generate the correct machining programs without having to alter source template files.

Capabilities & Specifications

Jamb Max Height (machine in one cycle)	101"
Jamb Max Height (may take two cycles)	123"
Jamb (Mullion) Thickness Max	2 ½"
Jamb Width	1 ¾" to 9 ¼"
Chisel Depth	5/16"
Jamb Cut Down Limits	101" L, 8 ½" W, 1 ¾" H

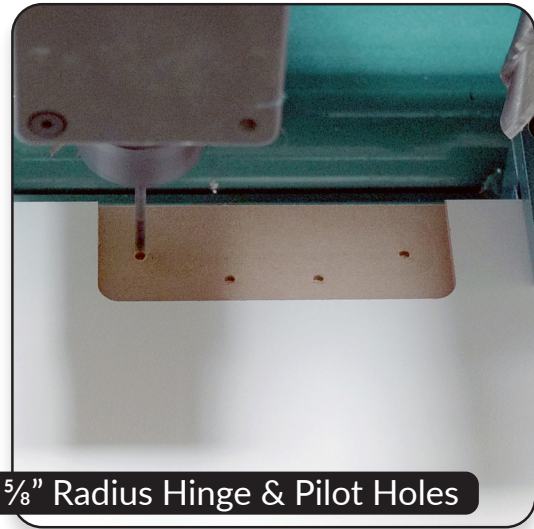
MACHINE DEPICTED WITHOUT SAFETY GUARDS FOR ILLUSTRATIVE PURPOSES

The Kval Advantage

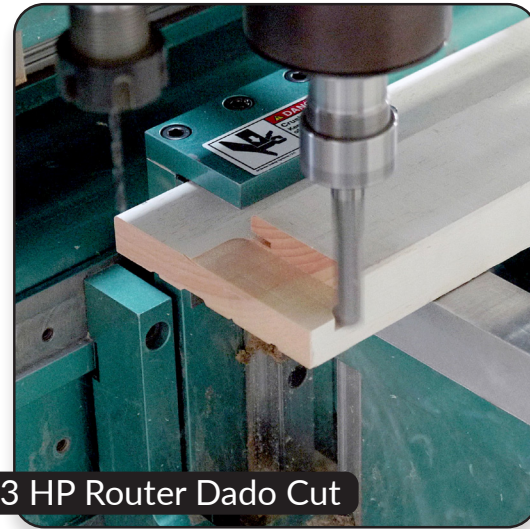
Kval differentiates itself within the industry by controlling each step of the manufacturing process at their facility on the west coast of the United States: raw steel is received, and finished machinery is shipped. Kval designs, cuts, machines, welds, paints, wires, and programs each and every machine in-house using the best components and materials available, enabling a hands-on approach to quality control and reducing unforeseen complications caused by outside vendors.



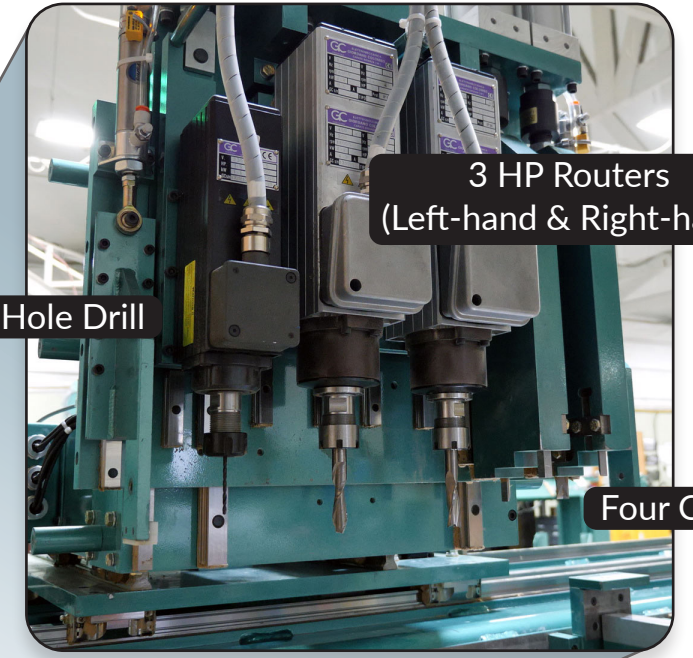
Advanced Safety Guards



5/8" Radius Hinge & Pilot Holes



3 HP Router Dado Cut



3 HP Routers
(Left-hand & Right-hand)

1 HP 1/2" Pilot Hole Drill

Four Chisels

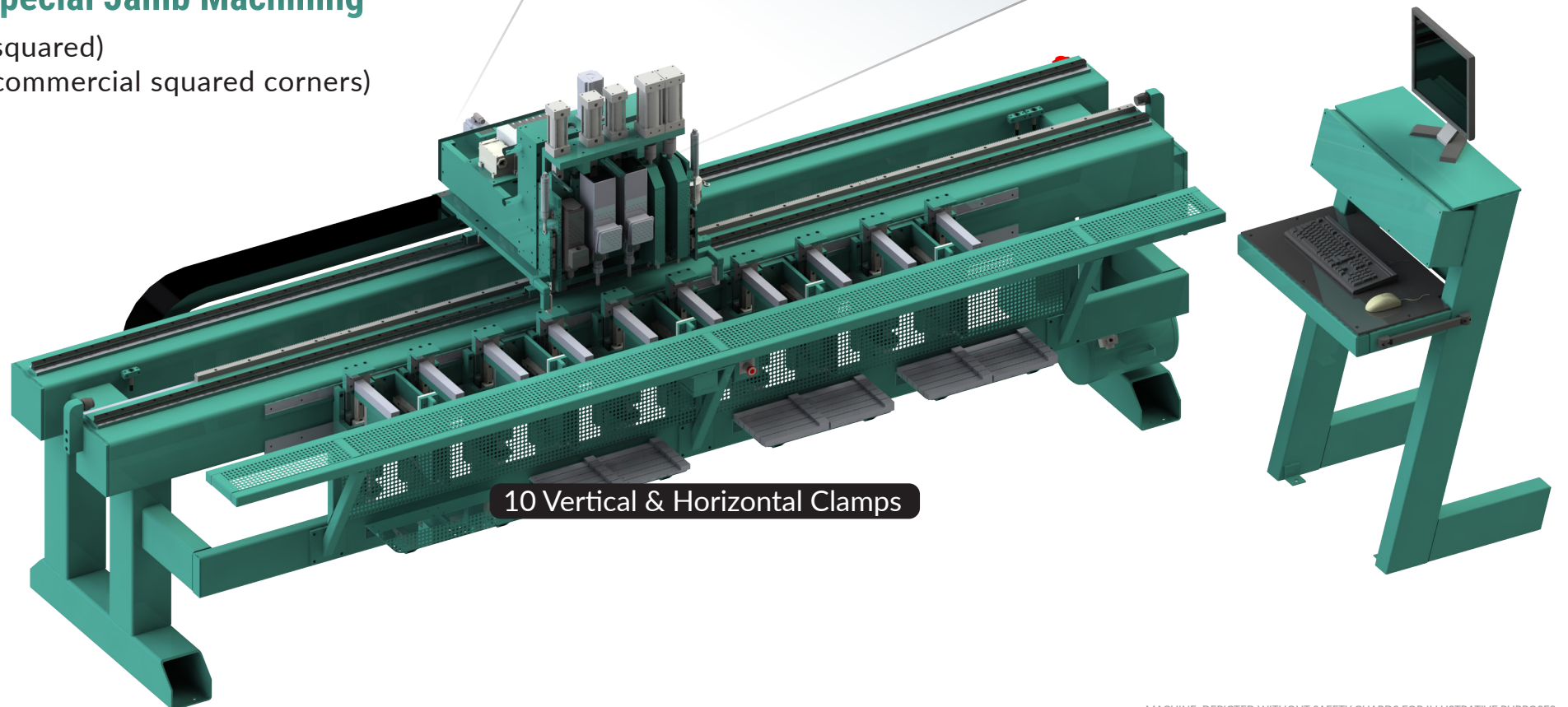
Safety First

The 965X includes a heavy-duty safety fence on the back and sides of the machine, and an advanced motion sensor for the front.

The motion sensor will immediately shut down the machine if a person (or other object) is detected nearby while a sequence is running.

CNC Precision of All Special Jamb Machining

- Hinges (any radius, or squared)
- Face Plates (including commercial squared corners)
- T-Strikes
- Ball Catch
- Mullions
- Astragals
- 3-Point Locks
- Dado
- Cut Downs
- Angled Sill Cuts



10 Vertical & Horizontal Clamps



VISIT US ONLINE AT
KVALINC.COM TO SEE MORE!