

COMMANDER 3

CNC FLEXIBILITY & QUALITY: PREHANGING INTERIOR, EXTERIOR, & COMMERCIAL

Operation Overview

Capacity can range from 150 to 200 doors in an 8-hour shift, depending on hardware and software setup. The door-to-door cycle time for a prehung interior 1³/₈" door with 3 radius hinges is approximately 85 seconds.

Budget Friendly Flexibility with CNC Precision

The Commander 3 redefines door and jamb machining, bridging both residential and commercial markets. It is the perfect solution for customers looking to upgrade from labor intensive vertical machines, or for the larger manufacture in need of additional capacity with improved quality and greater flexibility. The single CNC head allows the customer to machine varied hinge locations, hinge widths from 3" to 5", with 1/4", 5/8", or squared corners. Concealed Hinges (SOSS, Tectus) option is also available.

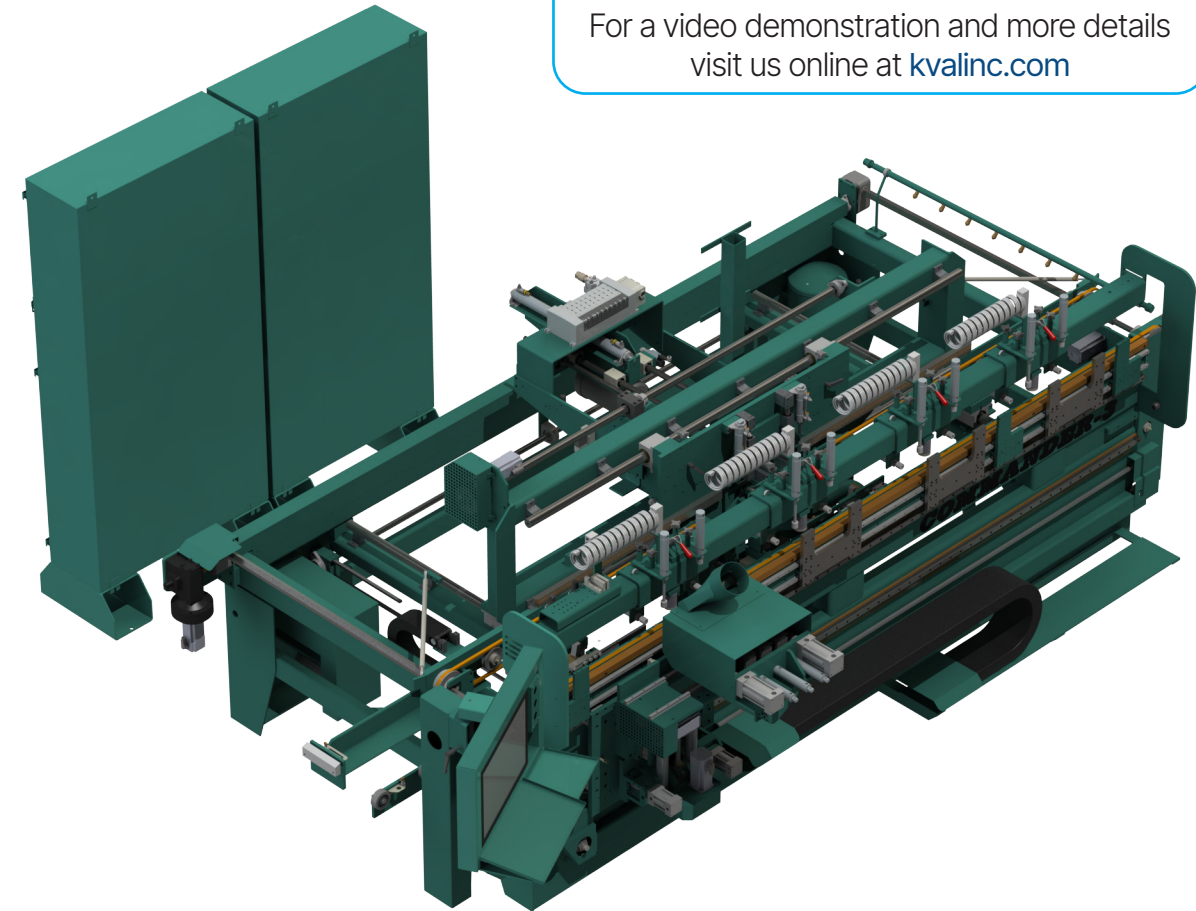
Cutting-Edge Hardware

- Hi-Frequency CNC Controlled Routers increase hinge pocket quality with extreme accuracy, minimizing tool flex and over-travel.
- Counter-Rotating Routers provide exceptional quality without the need for chip-out blocks, eliminating the downtime to replace the blocks during hinge-size changes.
- Point-to-point Pre-drill Routers replace air operated systems and allow the rapid modification of pre-drill patterns.
- Auto-Chisels provide perfectly square hinges without needing tools or manual adjustments, also available on latch plates with the CNC Lock Edge option.

State of the Art Software

- The Commander 3 is controlled and programmed with Kval's proprietary and patented software KvalCAM. This gives customers complete control of programming all hinge door and hinge jamb hardware. CNC lock edge is also available.
- Kval has partnered with the Beckhoff Automation Group to bring bleeding-edge motion control technology to residential CNC door machinery.

See it in action
For a video demonstration and more details visit us online at kvalinc.com



Specifications

Door Width	18" (min) 48" (max)
Door Length	6'6" (min) 9'0" (max)
Door Thickness	15/16" to 1 ³ / ₄ " (2 ¹ / ₄ " with Option AR)
Hinge Sizes	3"×3" up to 4 ¹ / ₂ "×5" either 0 or 3-degree

Popular Options

AR	Architectural 2 ¹ / ₄ " Support
CH	Concealed Hinges
FC	CNC Lock Edge
ND1	12" Door Processing

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: from receiving raw steel to shipping finished machines. 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.



The World's Most Advanced Door Machinery

Since 1947

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