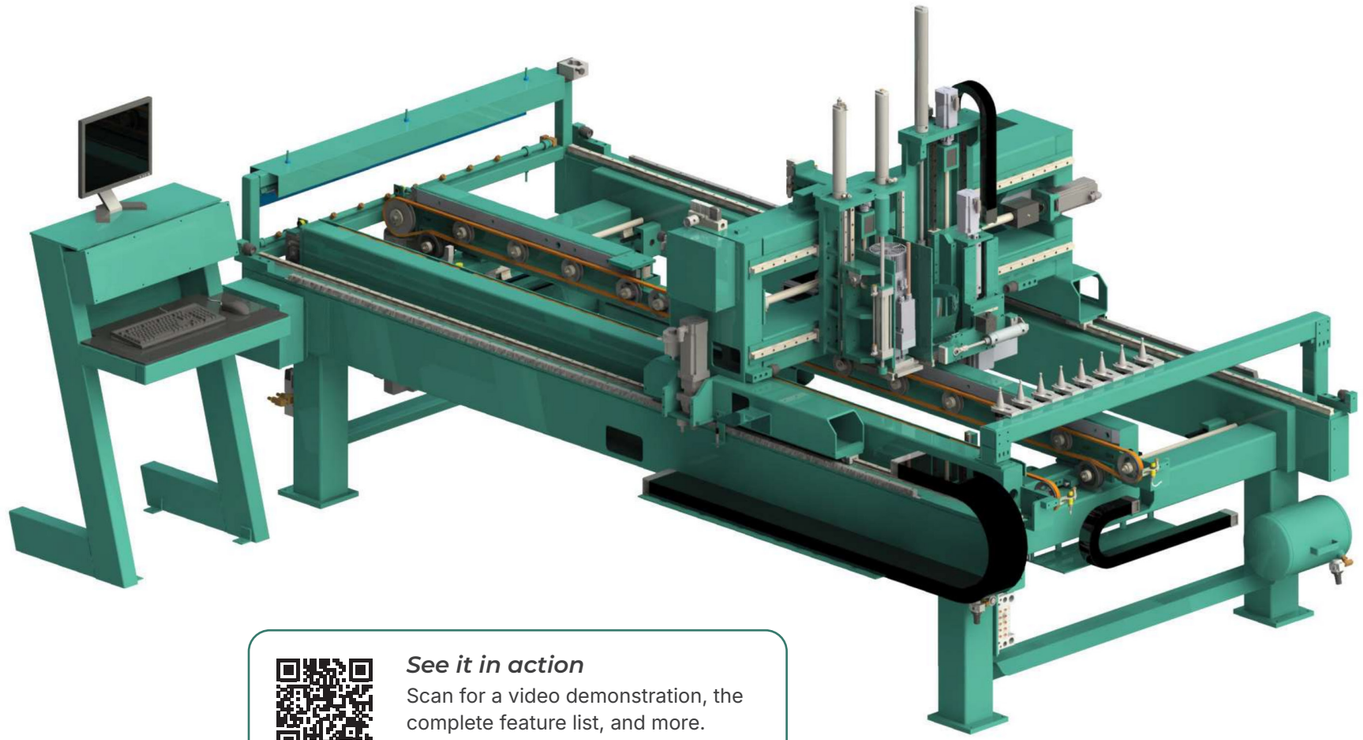
DL-NCD

LIGHTS OUT OPERATION, EXCEPTIONAL QUALITY



Reduce Your Labor Costs

Every manufacturer's dream is a high quality, repeatable process that can produce products without human resources. Kval's DL-NCD combined with the revolutionary KvalCAM can make this dream a reality for exterior door manufacturers and distributors alike.

With our CNC Lock Option now available, coupled with KvalCAM software, the DL-NCD Light Cutter drastically increases efficiency while producing the industry's highest quality exterior doors. The DL-NCD automatically feeds in a door, clamps and measures the door, then runs the CNC machining cycle. With a mounted barcode system and automated Kval door feeder/stacker combination, a complete stack of doors can be run without an operator ever being present.

Powerful KvalCAM Software Platform

The KvalCAM platform is easy to use and gives the customer complete control of programming all locks, door lights, and viewers on different door types without needing to know G-Code. Programming can be done in the office or on the machine with a connected database. Ovals, diamonds, and other special light patterns can be created by the customer by importing a CAD drawing of the shape directly into our system. Most other manufacturers charge for special G-Code programs that can also delay production when new shapes are required.

Labor can be saved on the production floor and in the office by using the KvalCAM API to create door files directly from a customer's order entry system. The lock type, light opening, door size, and even door type can be automatically loaded into the door file, saving time and reducing mistakes.

See it in action

Scan for a video demonstration, the complete feature list, and more.

kvalinc.com/features/dl-ncd

Industry Leading Quality and Innovation

The DL-NCD utilizes a powerful 14.75 HP main spindle motor for fast and accurate face work on exterior doors. The door is clamped with the servo motor from the side to prevent door movement. The length of every door is measured to assure exceptional accuracy in lock and light locations, even with slight variances in length from door to door. The DL-NCD will notify the operator if the length is out of specification. A separate encoder measures the door width at the lock location to provide extremely accurate face plate depths and cylinder hole backsets.

Steel and fiberglass foam doors will have the light cutout punched out, while wood door light cutouts will be automatically machined with a relief cut to prevent tear-out.

The DL-NCD has an automatic tool changing system with 8 tool slots. The customer can utilize tools for steel, fiberglass, or wood doors. Each tool has individual settings for RPMs and feed rates that are controlled by the customer. Each door file is specified by material type and the proper tool configurations are automatically used.

The World's Most Advanced Door Machinery

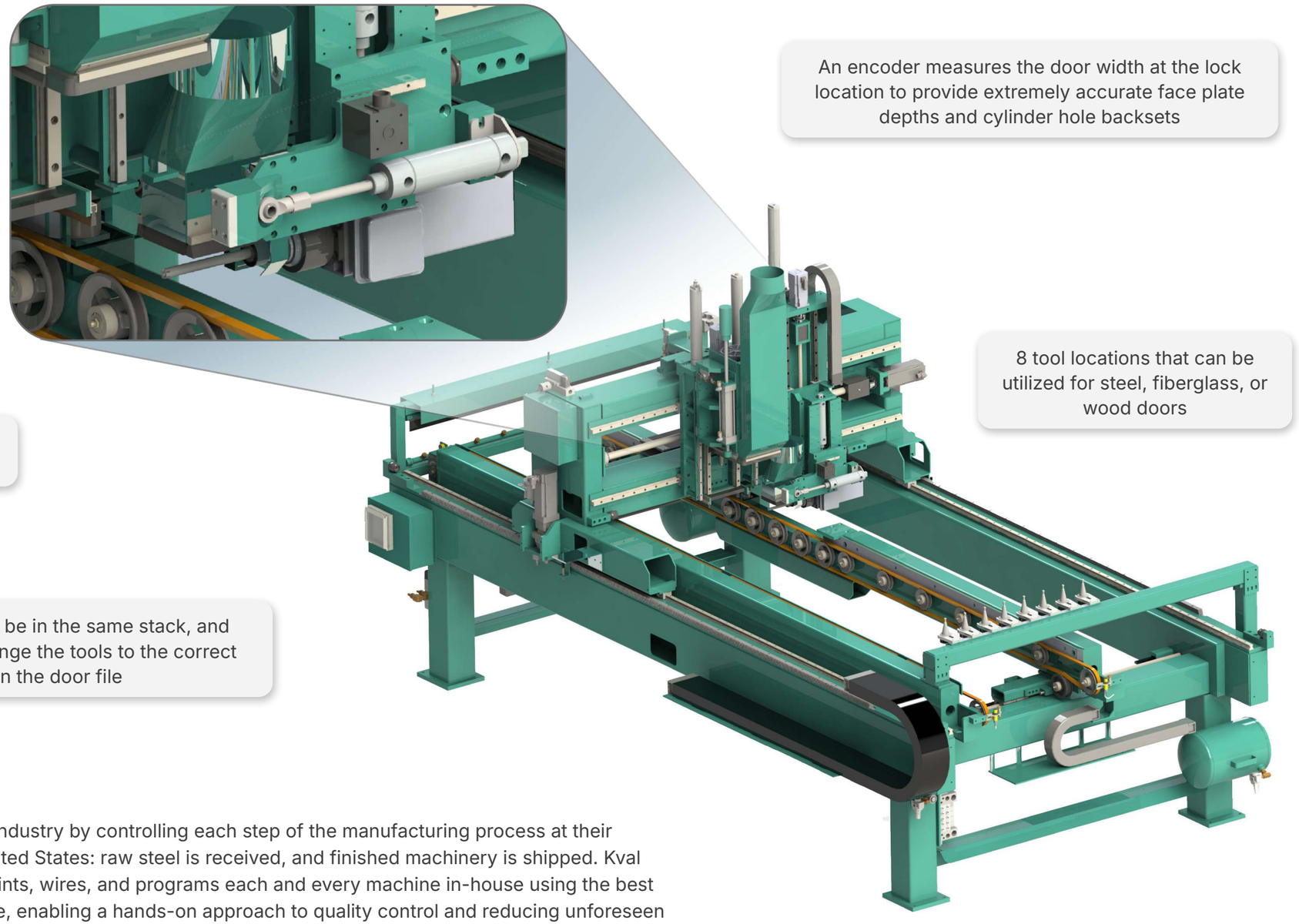
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3 HP Lock Edge motor (*pictured*) can machine different size faceplates for both the lock and deadbolt, and can even machine mortise or pocket locks

With KvalCAM, locks and light openings are easy for customers to program without any knowledge of G-Code. Even ovals and special light patterns can be programmed by the customer

Clamps the door from the sides, so the door cannot move compared to vacuum systems



An encoder measures the door width at the lock location to provide extremely accurate face plate depths and cylinder hole backsets

14.75 HP Main Machining Head with HSD tool changer

8 tool locations that can be utilized for steel, fiberglass, or wood doors

Every door is measured in length to accurately locate the lock and door lights from the top of the door

Steel and fiberglass doors can be in the same stack, and KvalCAM will automatically change the tools to the correct door type based on the door file

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.

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