# Door Imaging

## What is Door Imaging?

Is a method by which door frames are measured on site. This information is used to machine doors in factory using proprietary technology to produce a custom leaf, complete with hardware preparations.

## How Does It Work?

A precisely calibrated wand, attached via a cable to the Proliner box, is used to survey the reveal of the door frame via a series of pre-determined touch points. This survey assesses the frame for square and wind as well as providing a two-dimensional representation of the frame reveal, which can then be used along the X/Y axis of a flat-bed router to size the door.

For the hardware, macros are produced which create predefined sets of instructions that automate specific cutting, carving, or machining operations. This machining can occur on the edges as well as one face only, meaning there are certain limitations when hardware cut-outs are required on both faces of the doors.

## Key Benefits for installation

- Faster and Easier.
- Cleaner. Less machining means less mess, particularly MDF dust.
- Safer. Less machining and dust means fewer workplace injuries.
- Superior machining finish of door and hardware preps.
- Consistency (Key to achieving Compliance).
- Imaging Report identifying frame installations outside of standard industry tolerances.
- Finished product is delivered to site at a later stage of the project, reducing the risk of damage during build.

## Limitations:

- Doors will still need minor adjustment. Back-set may need adjusting as well as centering of door.
- Furniture preps are not generally included.
- The CNC Router can only prepare the door from the side facing up on the router, therefore furniture preparations are not included
- Frames still need to be plumb, square and in wind. Frames may still need to be rectified where the installation is outside of standard industry tolerances.
- Thresholds still need to be level.

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## Inclusions:

- Door sized to suit Frame Measure.
- Door routed out to suit all hinge preparations.
- Door routed out to suit Lock Body, Lock Face Plate and Standard Lock Spindle holes
- Door routed out to suit any Seal Preparations – i.e. Perimeter Seals, Drop Seals and Astragal Seals.
- In the case of a Pair of Doors – Doors routed out to suit Head Latch or Flush Bolts to the Inactive Leaf
- In the case of a Fire Doors – Doors routed out to suit any Fire Bolt Preparations.
- In the case of a Pair of Fire Door – Aluminum Meeting Stiles will be prepared for Lock Face plate, Lock Strike and any Flush Bolts to the inactive leaf.

## Exclusions:

- Due to the extensive range of Door/Designer Furniture the furniture preparations are not included in the Imaging Package.
- High Security or any Anti-Ligature Hardware are not included in the Imaging Package

Note! - Any of the above noted Hardware can be included as an extra cost to our standard Imaging Package providing a sample of the exact piece of hardware is supplied to AAFD for review before any work can commence

## Conclusion:

Though the imaging technology allows for faster, cleaner and potentially cheaper installations, it is not a cure-all for all installation issues on site. Preceding trades must still ensure quality substrates are provided and door hangers are still required to adjust doors and machine them for inclusion of sundry hardware items, particularly furniture. These extra steps will ensure a better quality of installation and most importantly, a compliant one.