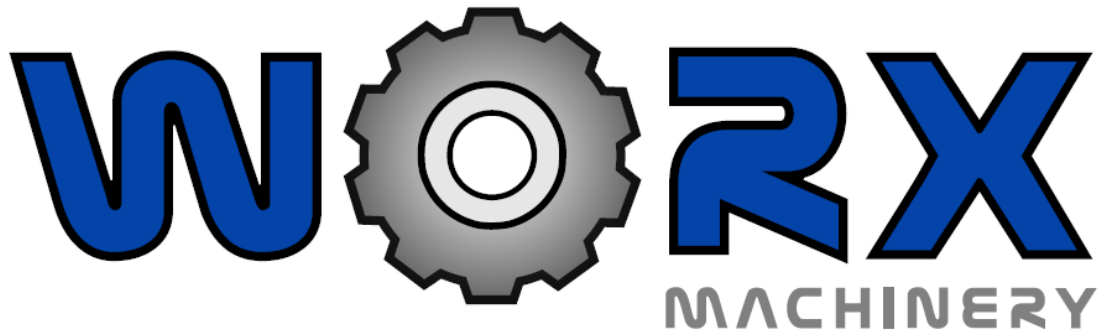




Class 1 Enclosures for KEYENCE Laser Markers (Rev 09-22)

4960 Marsett Pkwy
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Cumming, GA 30041
www.worxmachinery.com
678-878-6772
john_hanks@worxmachinery.com

Enclosure Selection Guide

ME-2m...page 2

- Cost effective and compact size
- Manually positioned work surface to accommodate a variety of part heights
- Basic enclosure for small/medium sized parts, designed for R&D or low volume marking

ME-2...page 10

- Cost effective and large size
- Manually positioned work surface to accommodate a variety of part heights
- Basic enclosure for small/medium/large parts, designed for R&D or low volume marking

ME-3...page 18

- Automated door, automated Z axis, PC with custom software for ease of use
- Options such as precision rotary indexer, slide out work surface, barcode scanner for program selection
- Advanced enclosure for small/medium sized parts, designed for R&D or production marking

ME-3x...page 24

- Automated door, automated Z axis, and PC with custom software for ease of use
- Options such as precision rotary indexer, slide out work surface, barcode scanner for program selection
- Advanced enclosure for small/medium sized parts, designed for R&D or production marking

ME-3max...page 29

- 3 axis gantry system (XYZ) with PC with custom software for ease of use
- Options such as precision rotary indexer, slide out work surface, barcode scanner for program selection
- Advanced enclosure for small/medium sized parts, designed for R&D or production marking

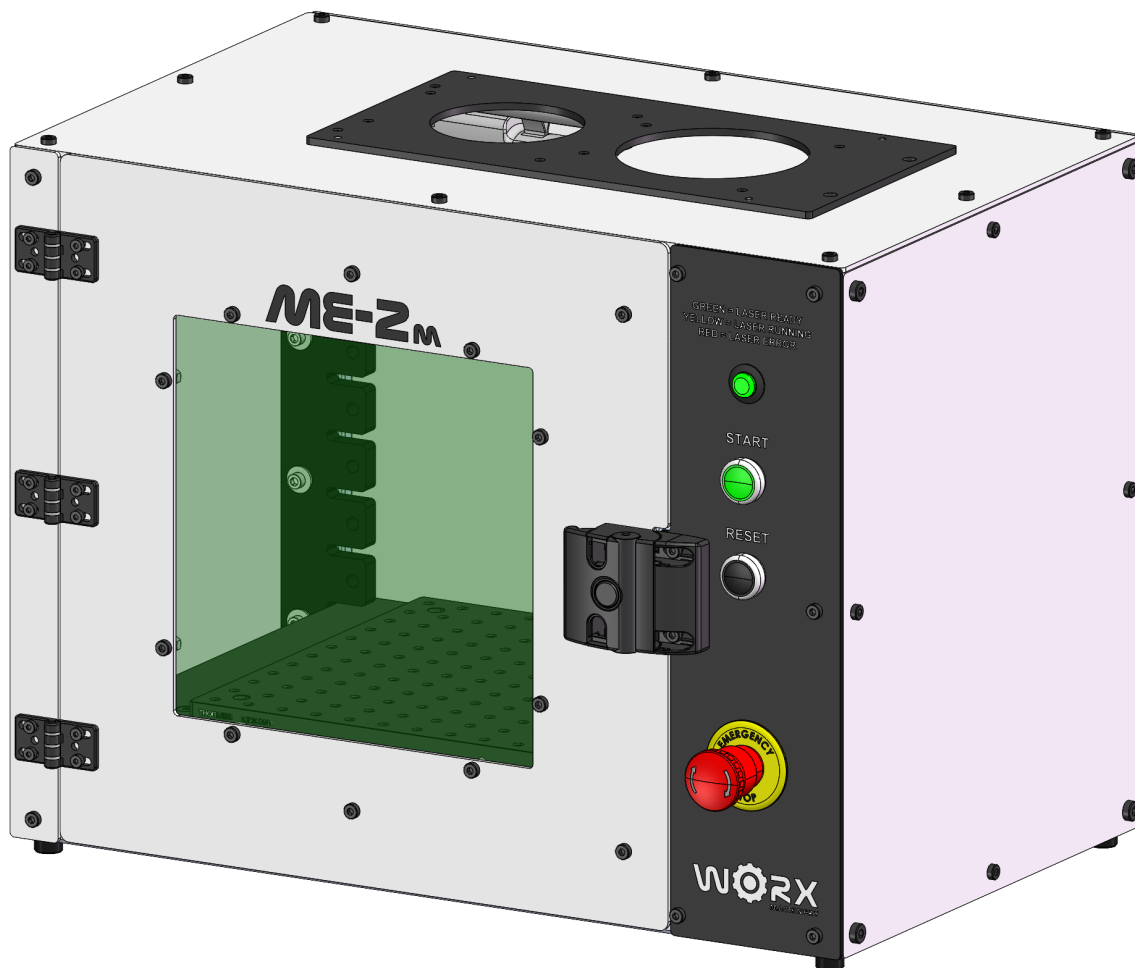
ME-3r...page 34

- 2 position rotary table, automated Z axis, and PC with custom software for ease of use
- Options such as barcode scanner for program selection
- Advanced enclosure for small/medium/large part marking, designed for production marking



ME-2_M Laser Marking Enclosure = \$7,295

- CLASS 1 certified for KEYENCE MD-X, MD-X2, MD-U, ML-Z and MD-F lasers in both standard and wide area versions
- Dual safety rated door switches that are wired to the laser shutter control circuit to satisfy Class 1 safety standards
- Acrylic laser safe viewing window on door
- E-STOP, START button, RESET button and indicator light front button panel
- Industrial LED task light inside enclosure
- 2" fume extraction port on the back of the enclosure
- Repositionable shelf style work surface system to allow for a large variety of part sizes
- White powder coated panels



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ME-2_M Options

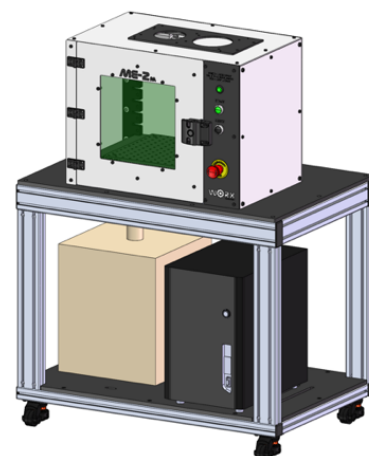
Fumex FA1 Mini With Fume Arm = \$2695.00

- CFM: 165 @ 19" wc
- Weight: 45lb
- Sound Level: 59dBA
- HEPA Filter: 99.97% efficient at 0.3 micron



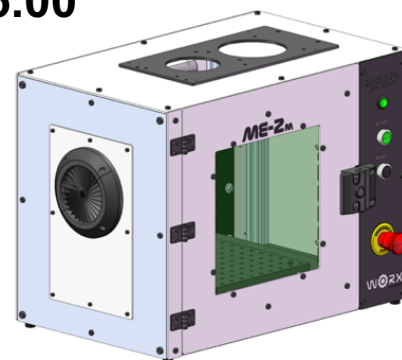
Open Mobile Base = \$3595.00

- Comes with leveling casters and shelf for laser controller and fume extractor



Long Part Pass Through Hole Panel = \$1595.00

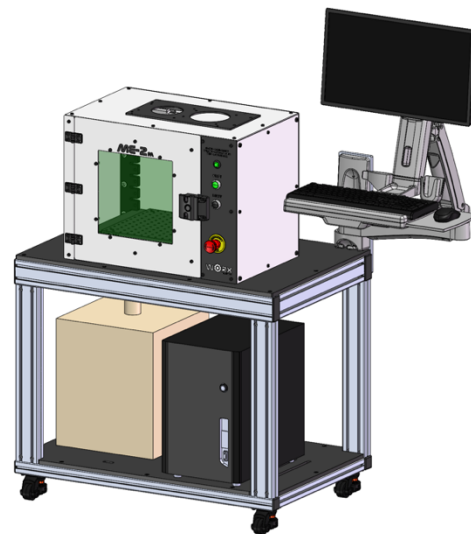
- Retains Class 1 rating when part and presentation method is approved by Worx



ME-2_M Options

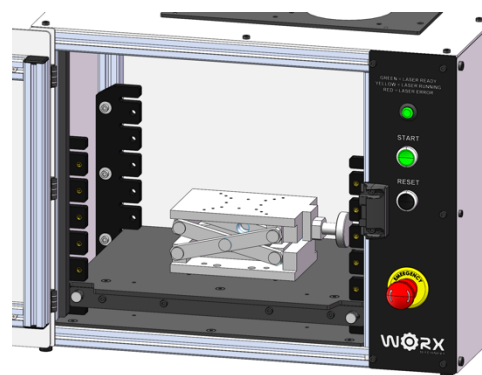
PC Package = \$3295.00

- PC with Windows 10 Pro, keyboard, mouse, and monitor on an articulating arm
(Only available with cart option)



Precision Manual Z Stand = \$1995.00

- Can mount on shelf or enclosure floor
- Vertical stroke = 70mm

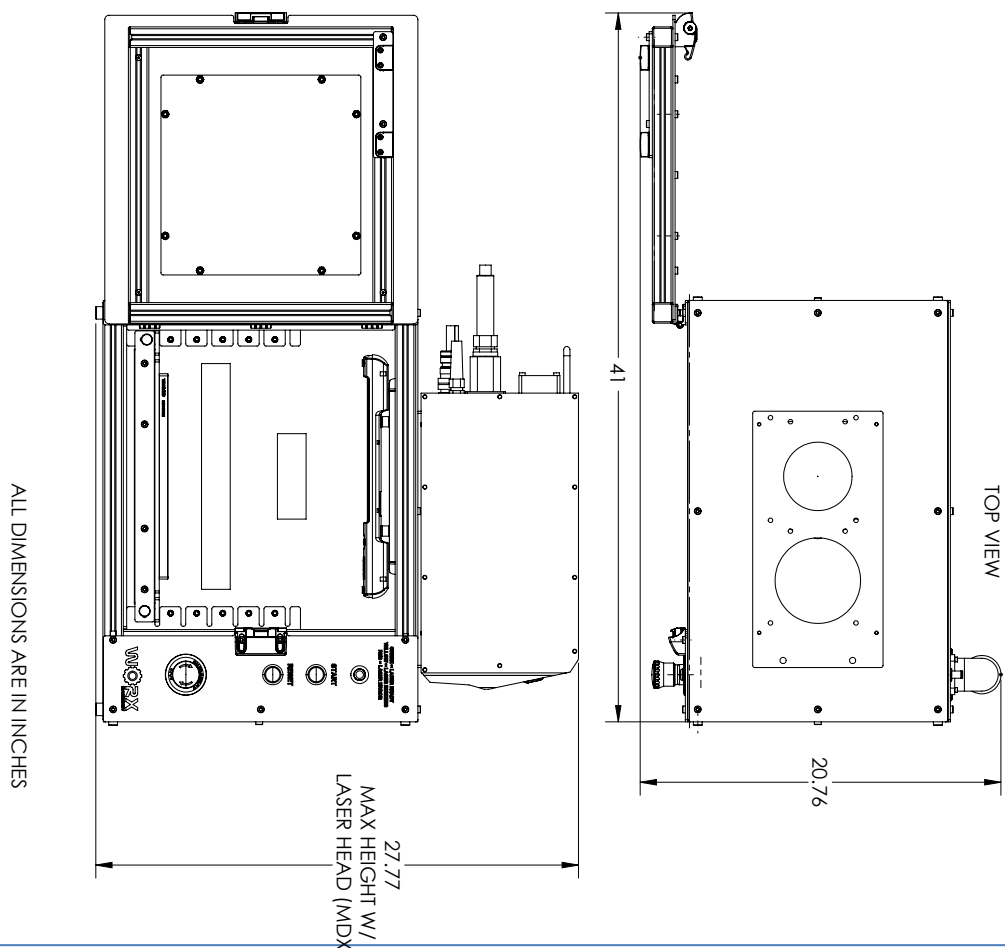
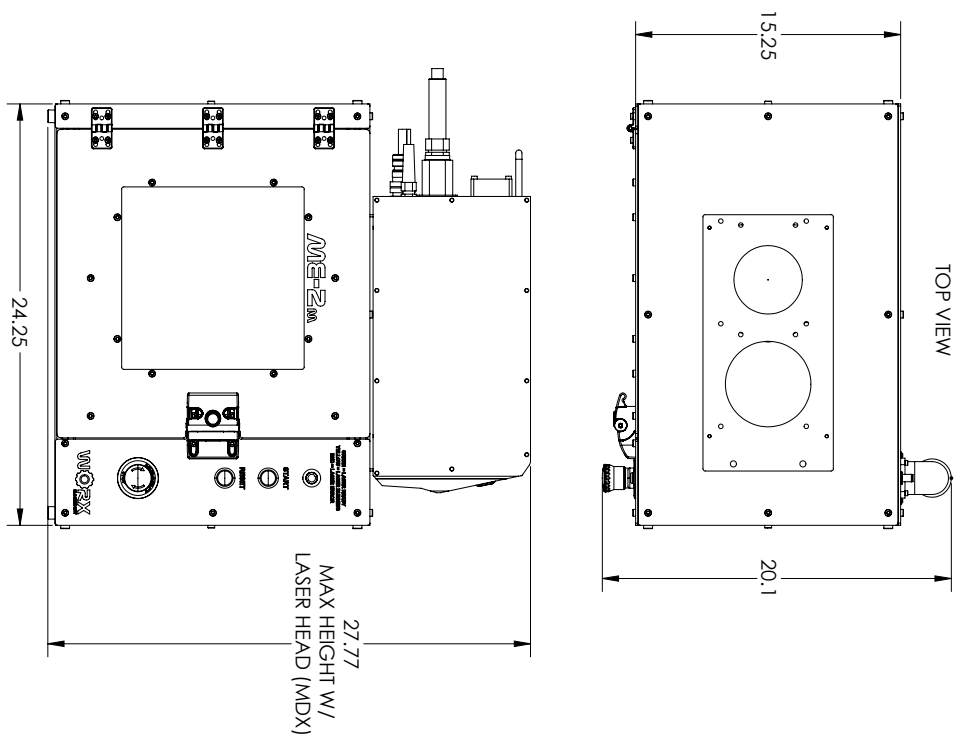


Tapped Hole Grid Plate = \$685

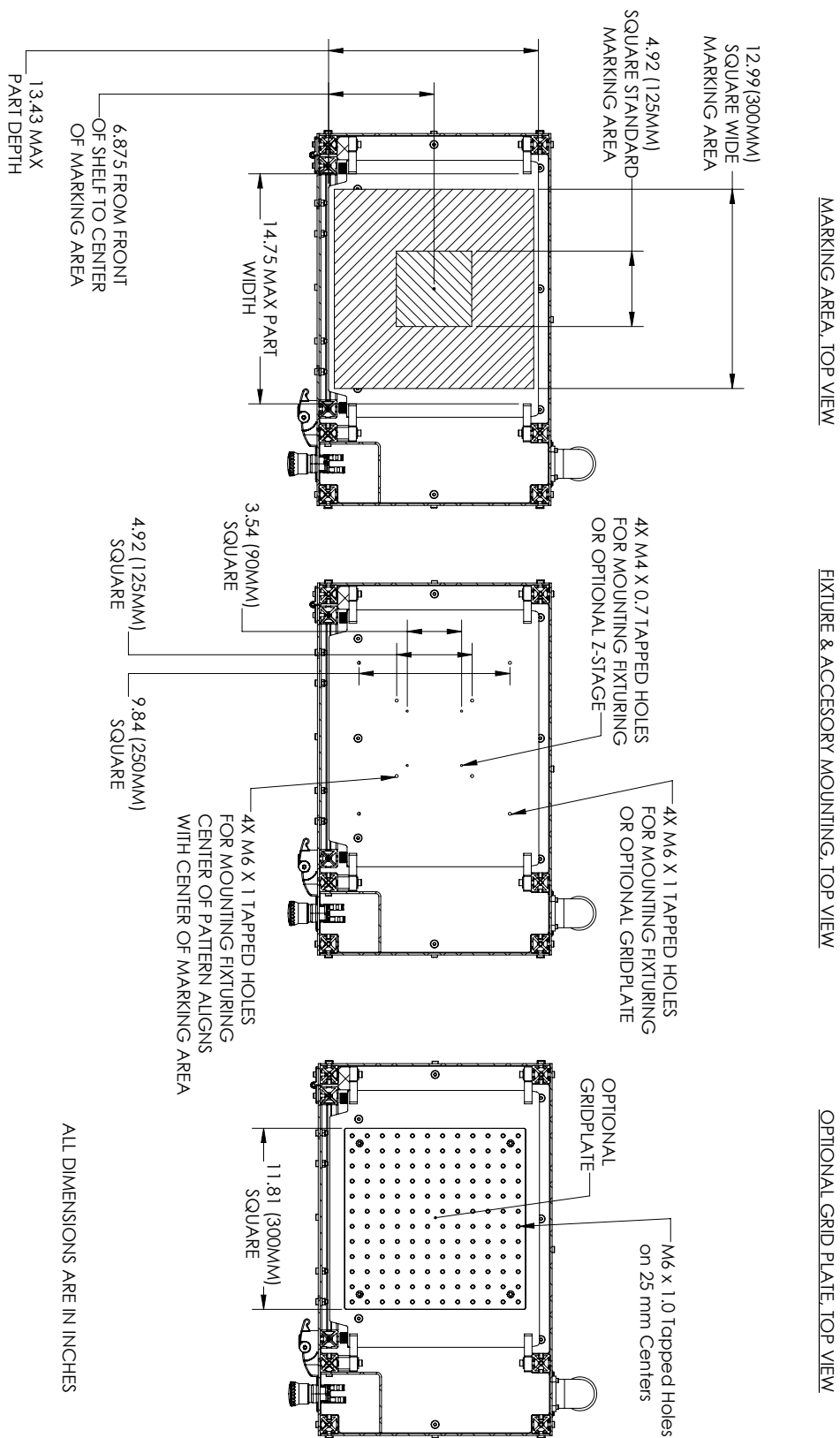
- 300mm x 300mm with M6x1 tapped holes on 25mm centers

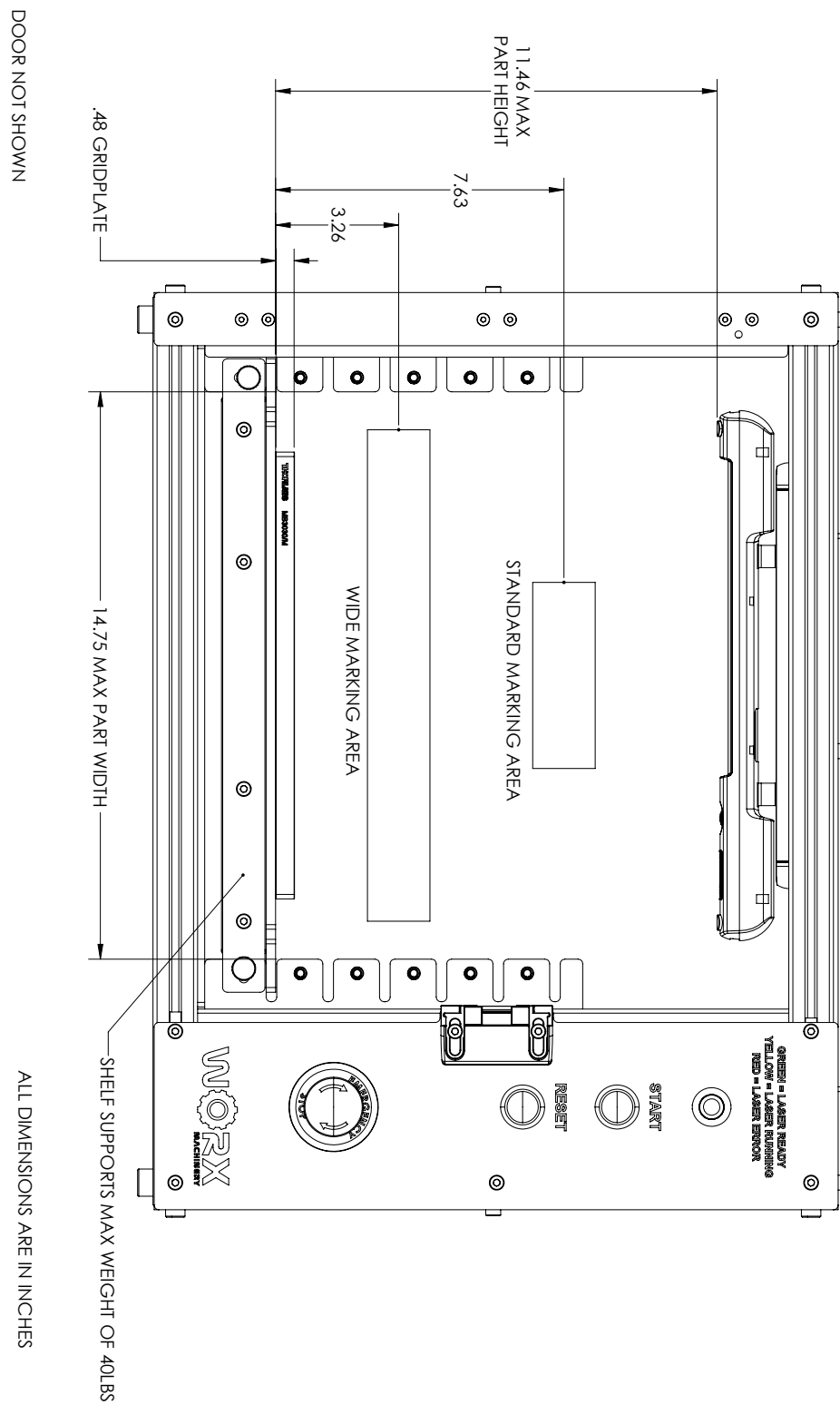


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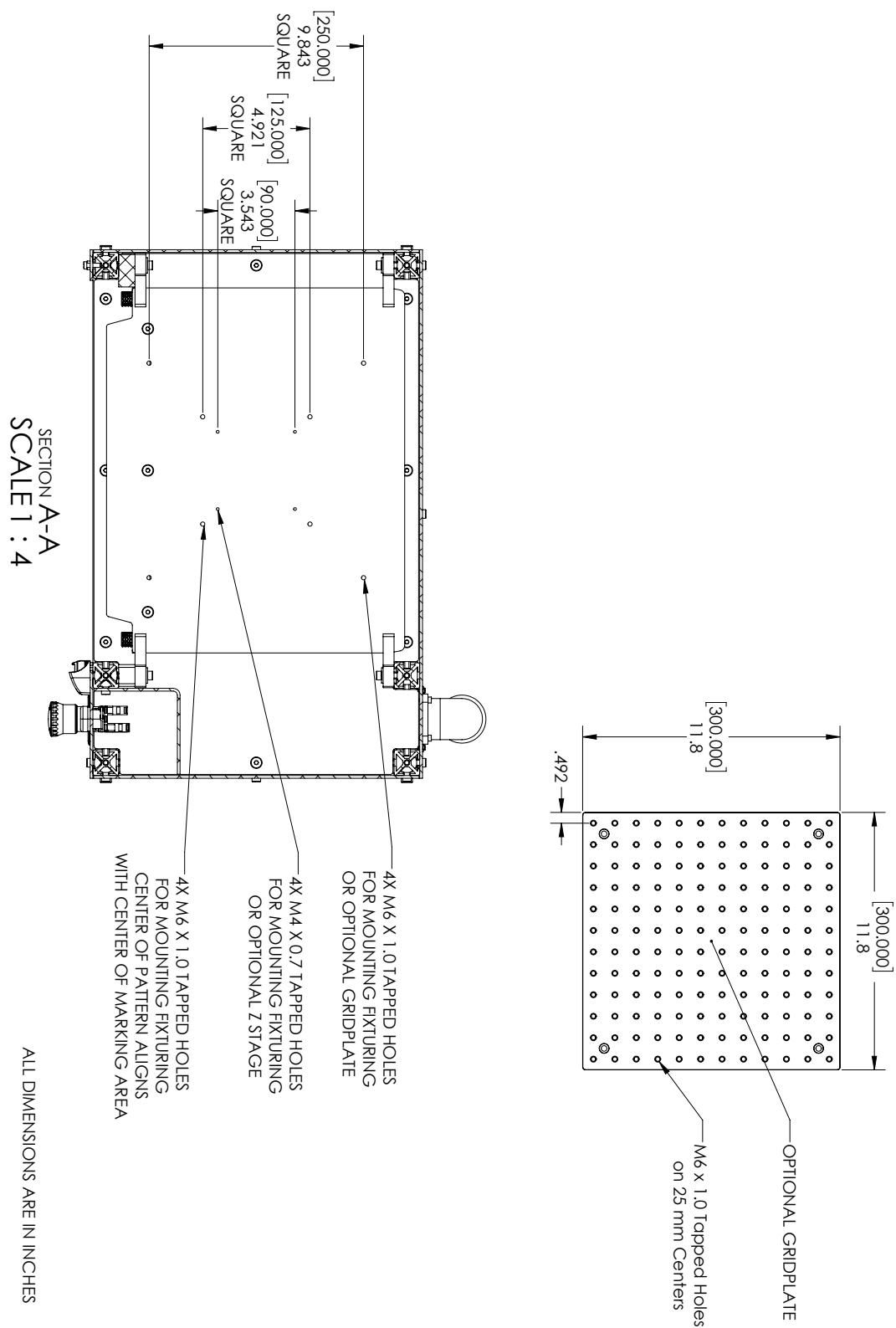


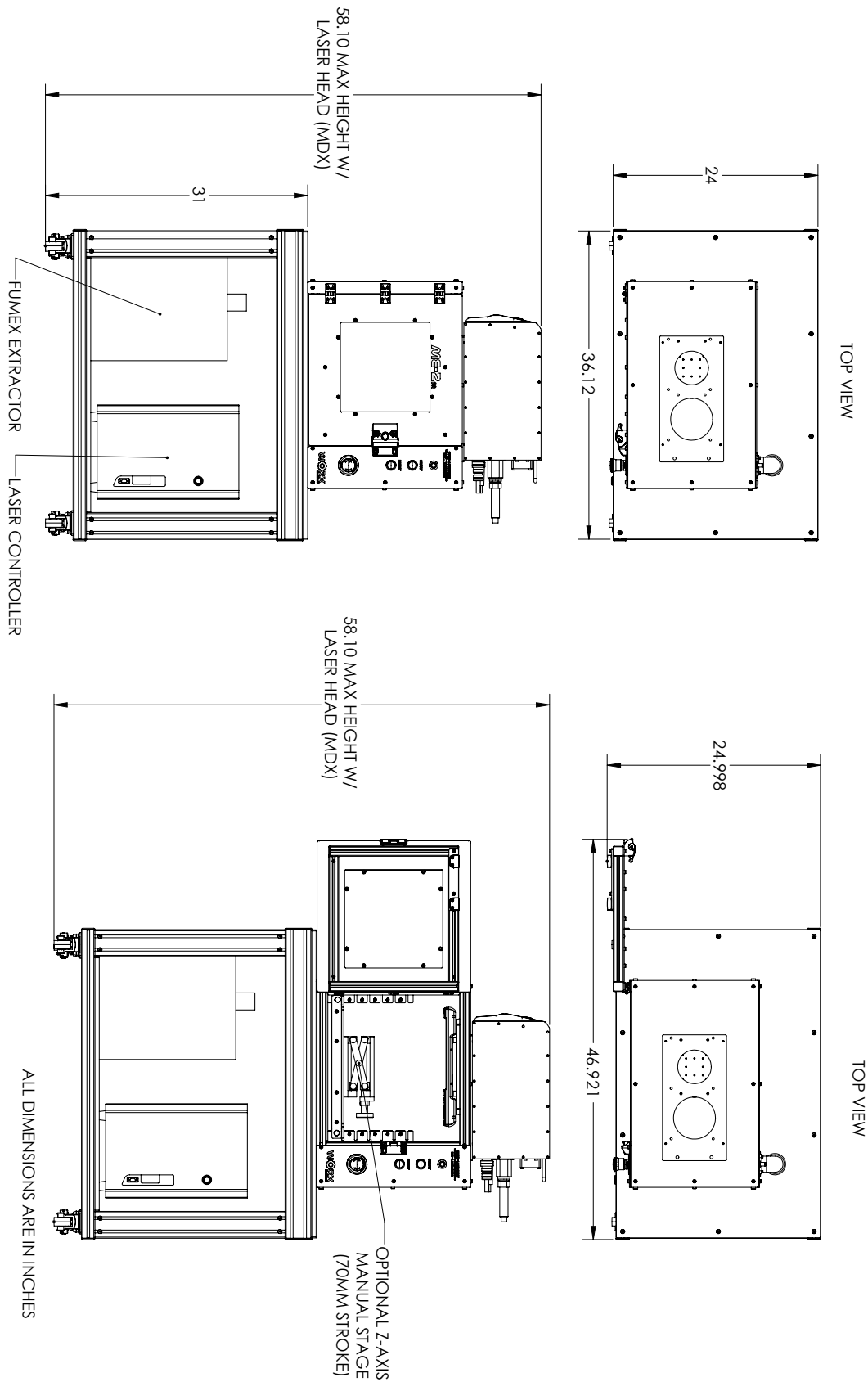
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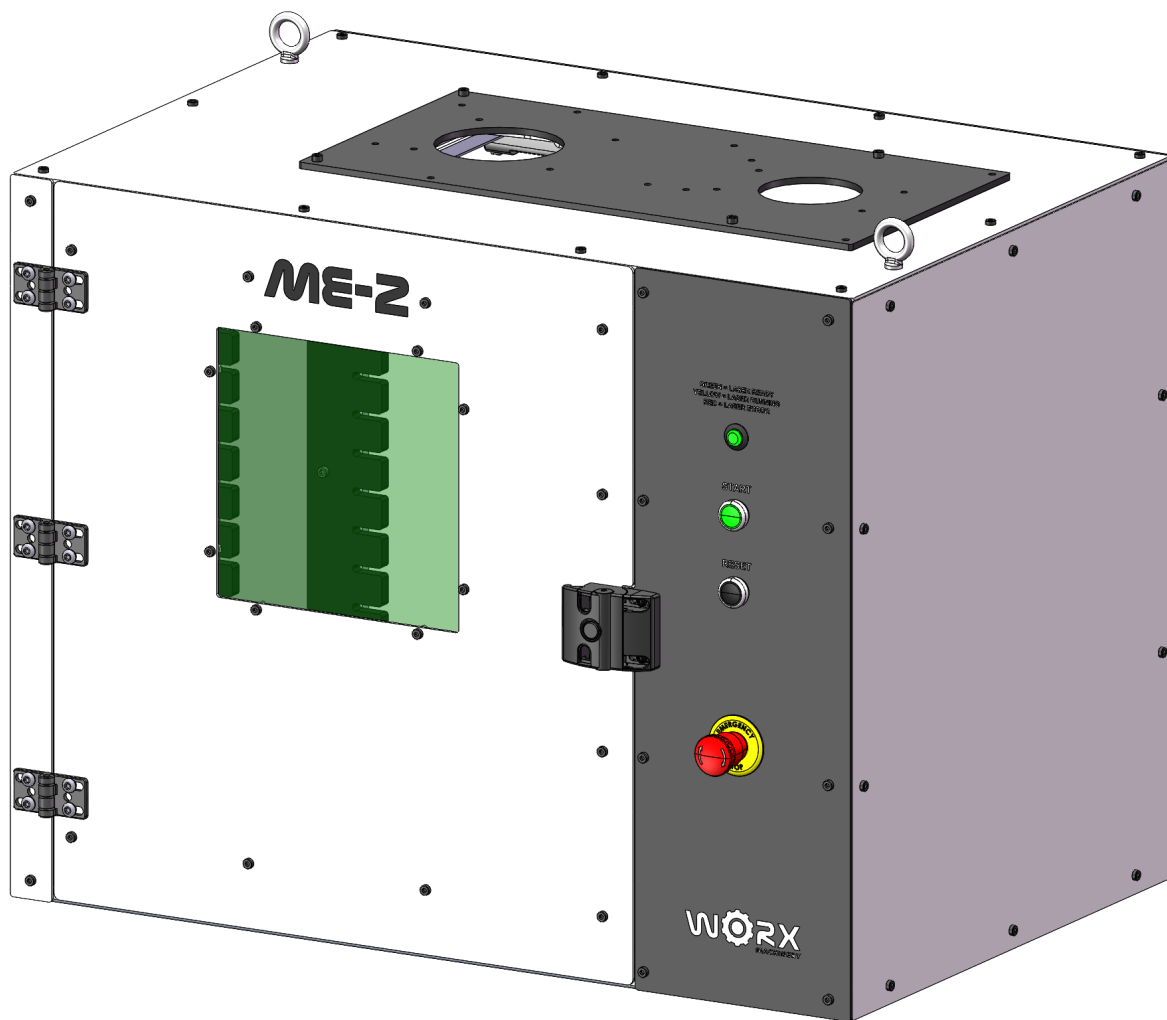
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ME-2 Laser Marking Enclosure = \$8,395

- CLASS 1 certified for KEYENCE MD-X, MD-X2, MD-U, ML-Z and MD-F lasers in both standard and wide area versions
- Dual safety rated door switches that are wired to the laser shutter control circuit to satisfy Class 1 safety standards
- Acrylic laser safe viewing window on door
- E-STOP, START button, RESET button and indicator light front button panel
- Industrial LED task light inside enclosure
- 2" fume extraction port on the back of the enclosure
- Repositionable shelf style work surface system to allow for a large variety of part sizes
- White powder coated panels



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ME-2 Options

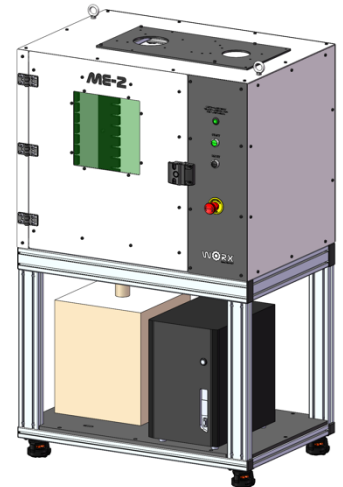
Fumex FA1 Mini With Fume Arm = \$2695.00

- CFM: 165 @ 19" wc
- Weight: 45lb
- Sound Level: 59dBA
- HEPA Filter: 99.97% efficient at 0.3 micron



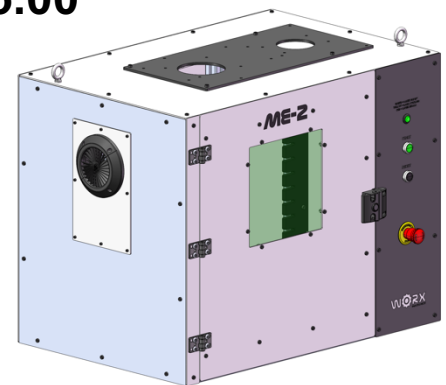
Open Mobile Base = \$3595.00

- Comes with leveling casters and shelf for laser controller and fume extractor



Long Part Pass Through Hole Panel = \$1595.00

- Retains Class 1 rating when part and presentation method is approved by Worx

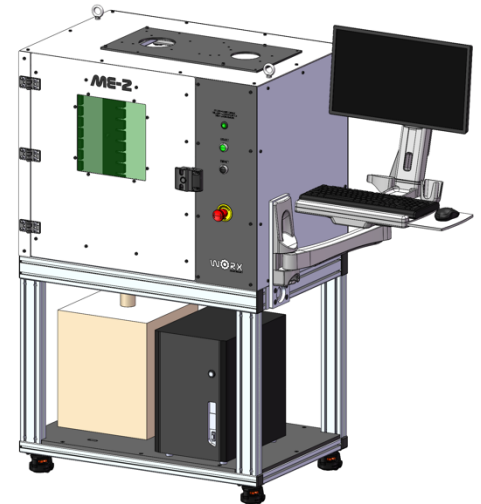


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ME-2 Options

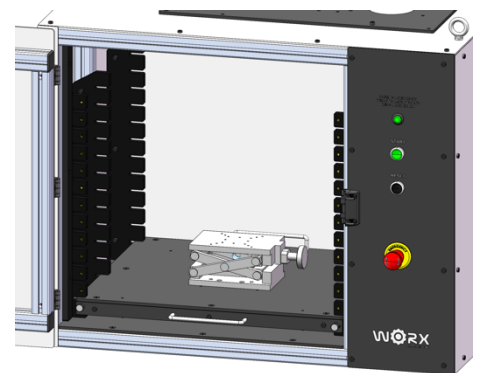
PC Package = \$3295.00

- PC with Windows 10 Pro, keyboard, mouse, and monitor on an articulating arm
(Only available with cart option)



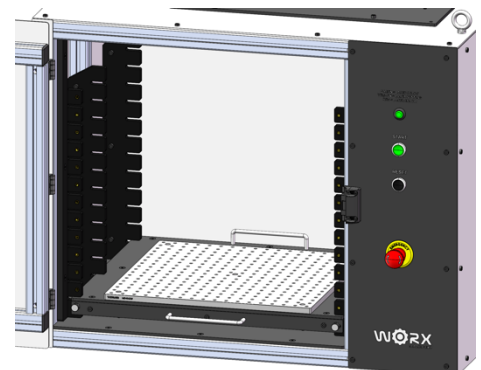
Precision Manual Z Stand = \$1995.00

- Can mount on shelf or enclosure floor
- Vertical stroke = 70mm

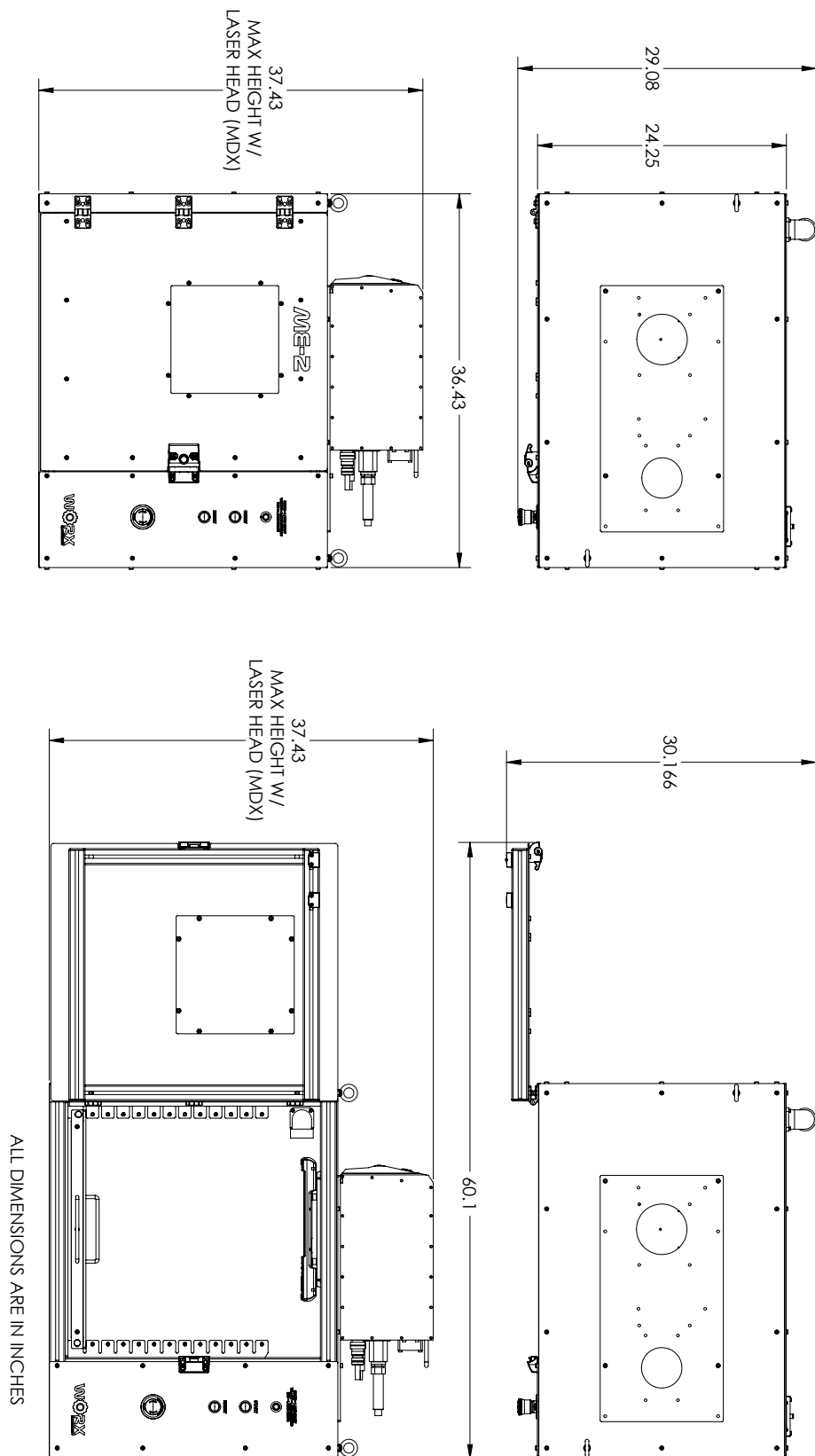


Tapped Hole Grid Plate = \$885

- 450mm x 450mm with M6x1 tapped holes on 25mm centers

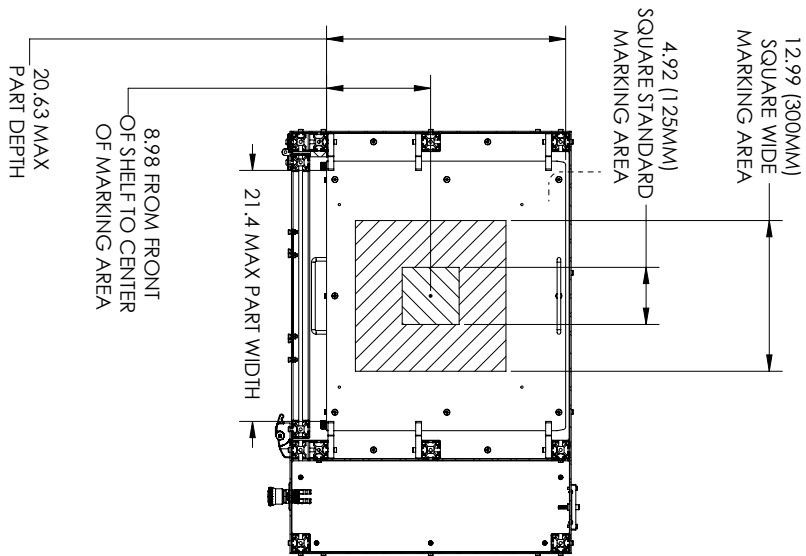


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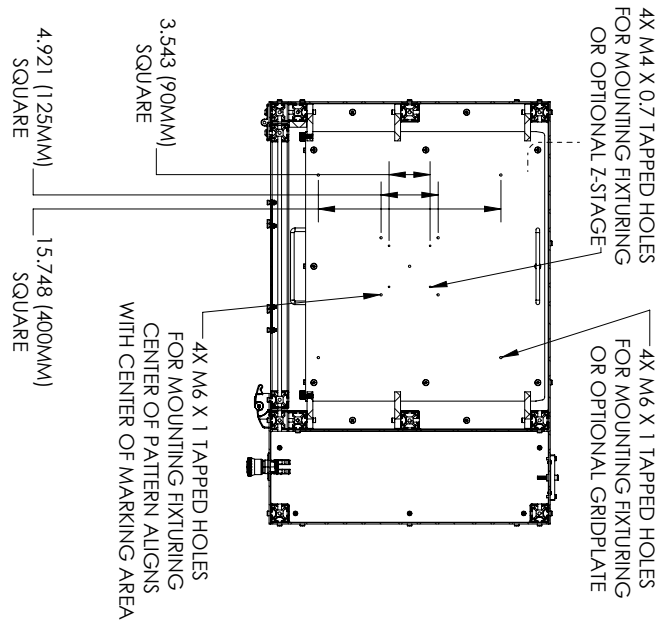


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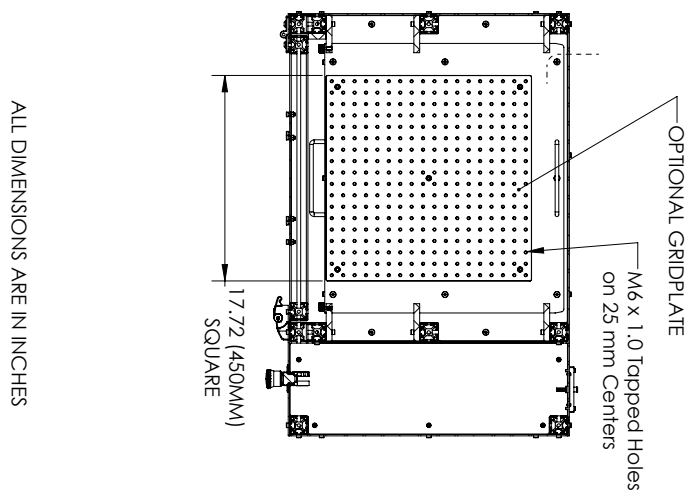
MARKING AREA, TOP VIEW

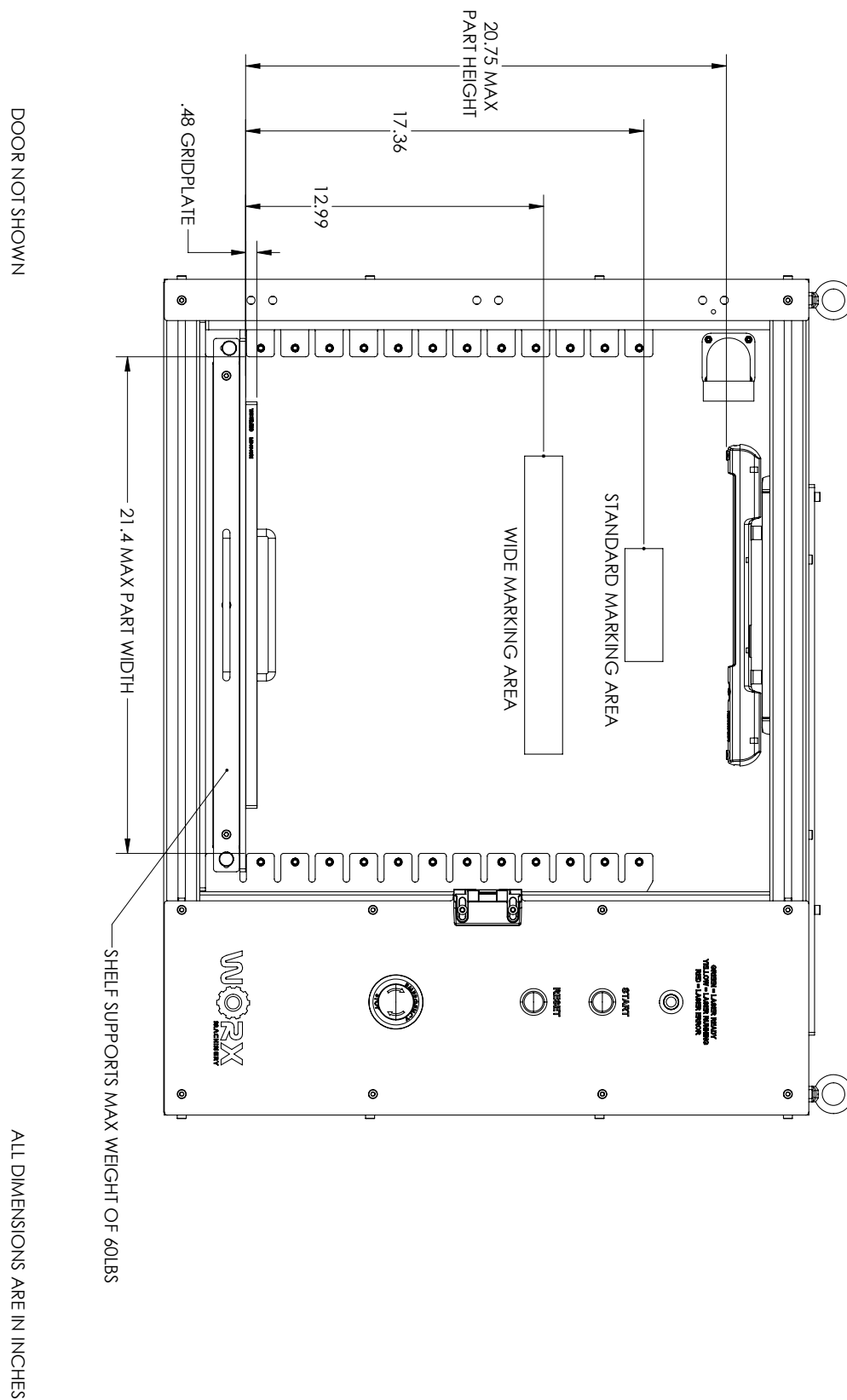


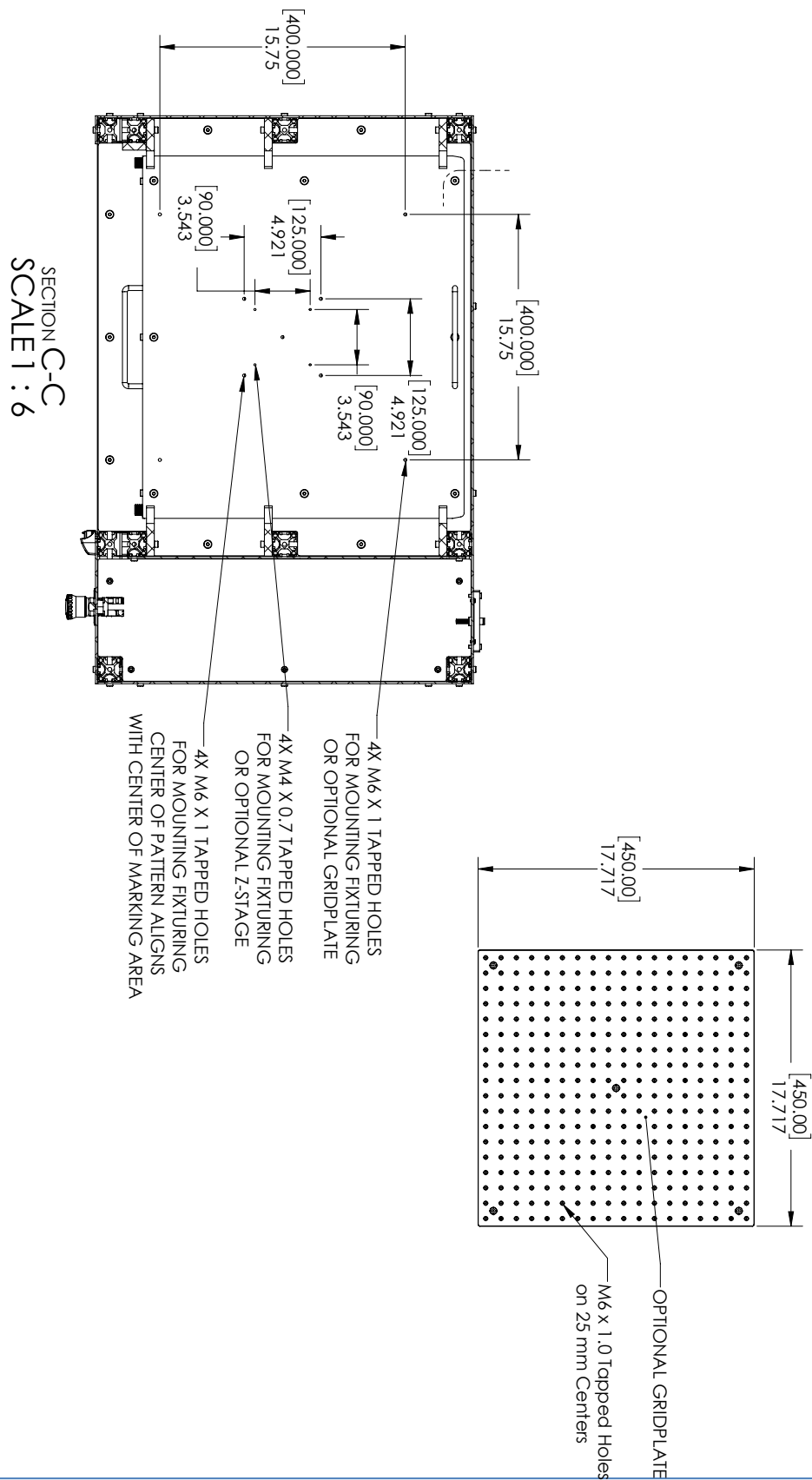
FIXTURE & ACCESSORY MOUNTING, TOP VIEW



OPTIONAL GRID PLATE, TOP VIEW



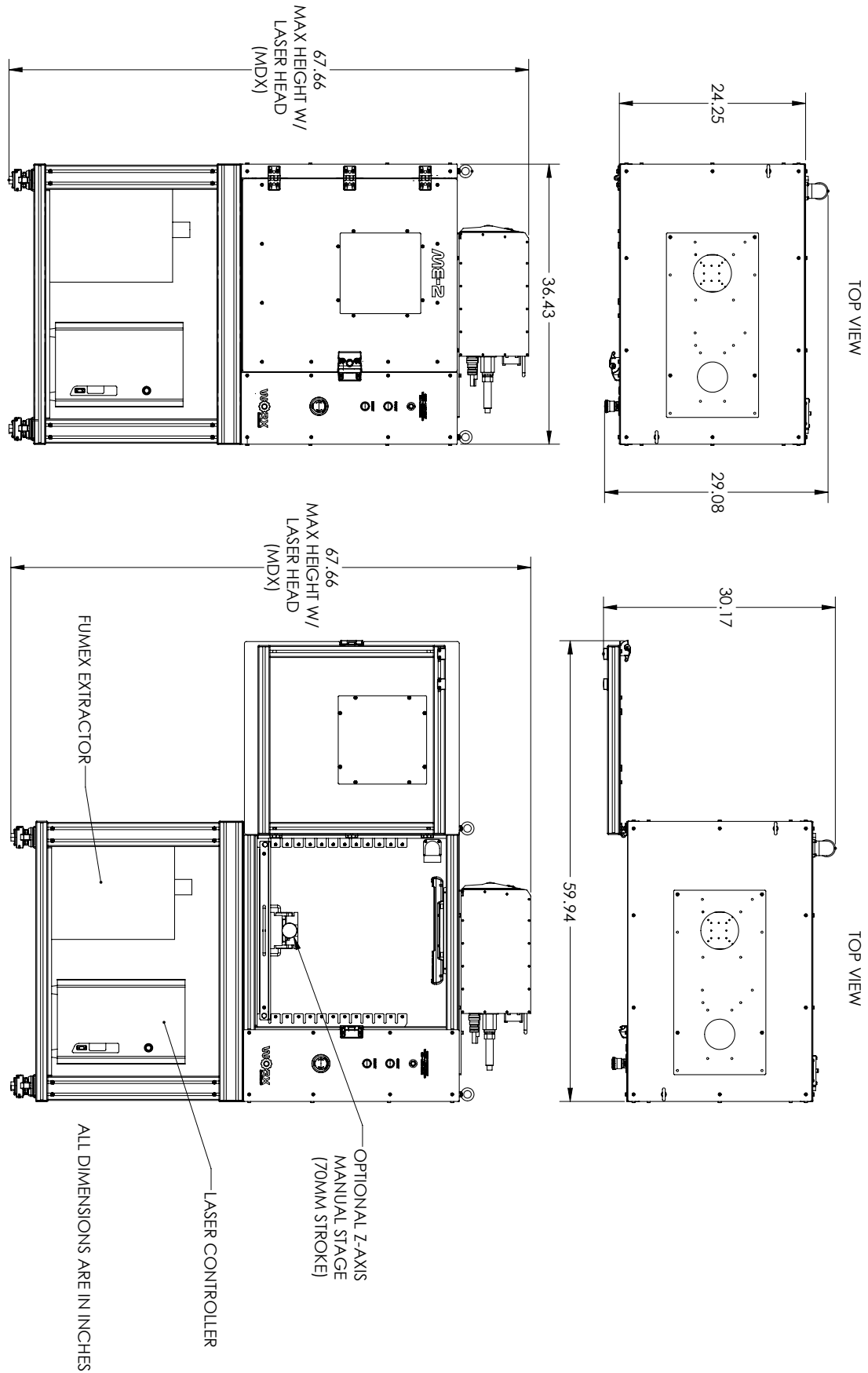




ALL DIMENSIONS ARE IN INCHES



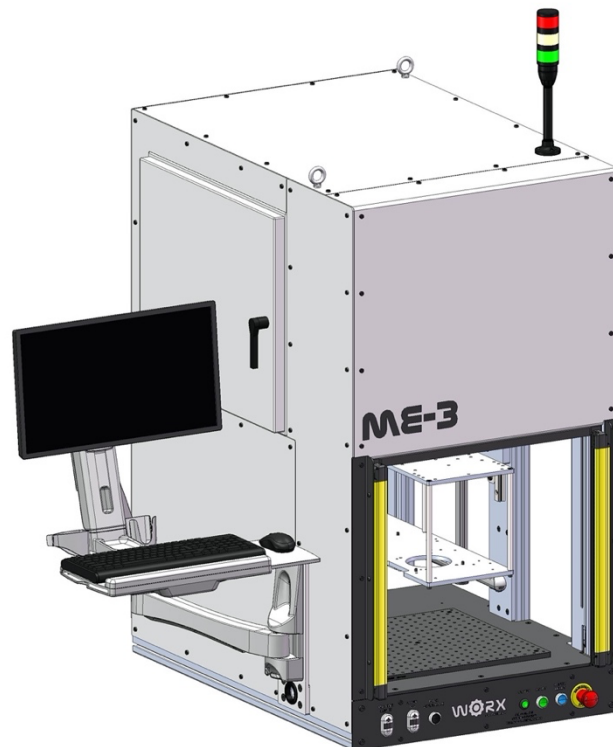
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ME-3 Laser Marking Enclosure = \$28,950

- Class 1 certified for KEYENCE ML-Z, MD-X, MD-F and MD-U lasers (standard and wide area models)
- Acrylic laser safe viewing window on door
- Automated vertical door
- Automated laser Z axis (400mm stroke)
- KEYENCE light curtains, door switches, and safety controller wired to a Cat 3 safety standard
- PC with Windows 10 Pro, keyboard, mouse, and monitor on an articulating arm
- E-stop, safety reset button, start button, status light, door open/close button, laser jog button, and machine height button (for optional height adjustable cart) on lower button panel
- Internal LED bar light mounted to laser plate (controlled by dimmer slide in KeyView software)
- 2" fume extraction port
- Red/Yellow/Green stack light
- Aluminum grid plate with M6x1 tapped holes on 25mm centers for fixture mounting
- KeyView software application for laser Z axis and rotary indexer (optional) control and seamless integration with the KEYENCE laser
- Customer supplied laser installed, wired, and tested
- White powder coated exterior panels



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ME-3 OPTIONS

Fumex FA1 Mini with Flexible Fume Arm = \$2895.00

- CFM: 165 @ 19" wc
- Weight: 45lb
- Sound Level: 59dBA
- HEPA Filter: 99.97% efficient at 0.3 micron
- Signal feedback into Keyview for blower and filter status



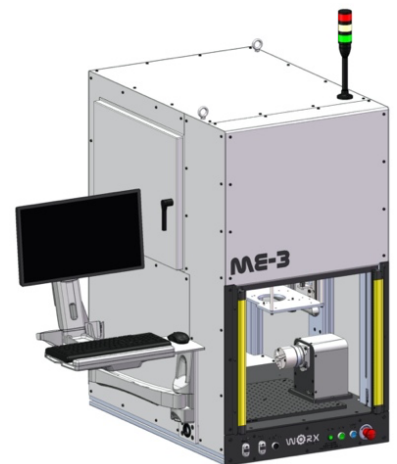
Enclosed Mobile Base = \$6595.00

- Comes with leveling casters and lifting mechanism to put the work surface 32.7" through 42.7" from the floor



Precision Rotary Indexer = \$7695.00

- Comes with 3 jawed manual chuck
- OD gripping range = 2mm-70mm
- ID gripping range = 24mm-64mm
- Programmable up to 8 indexes using KeyView software



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ME-3 OPTIONS CONTINUED

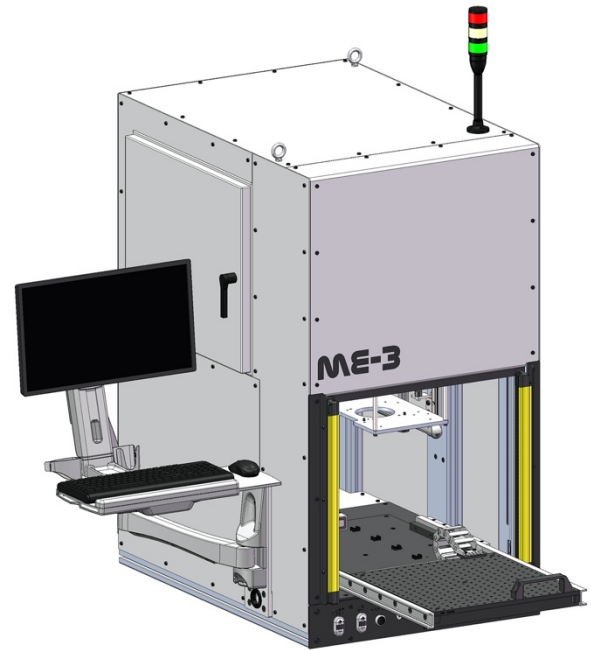
Long Part Pass Through Hole Panel = \$1595.00

- Right side only
- Retains Class 1 rating when part and presentation method is approved by Worx



Slide Out Work Surface = \$6595.00

- Heavy duty linear bearings allow for 100lb load
- Sensors and electromagnet ensure accurate positioning

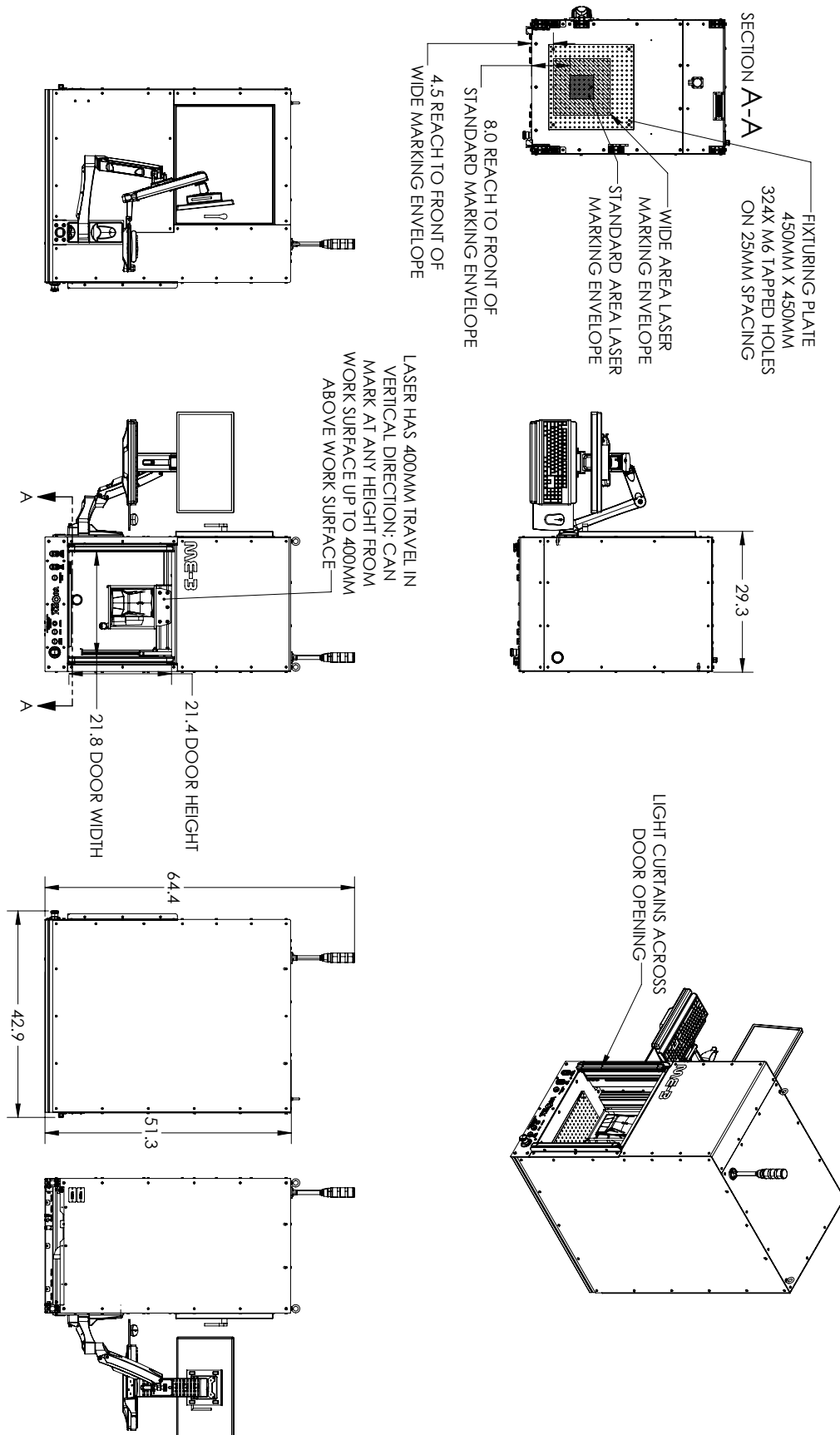


Barcode Reader/Scan to Program Selection = \$2895.00

- Includes KEYENCE HR-100 handheld 1D/2D reader and scan-to-program selection functionality activated in the KeyView software



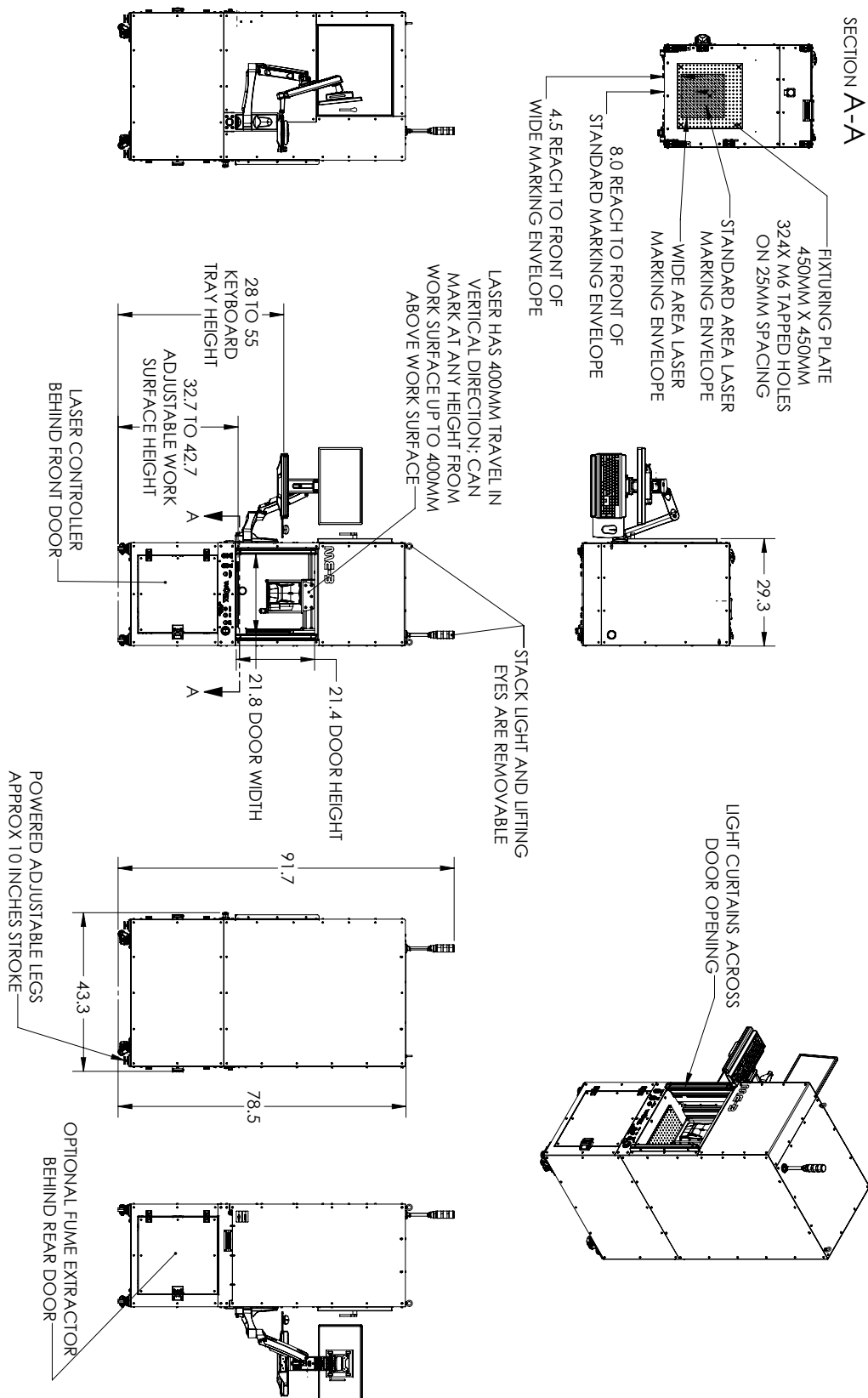
WORX MACHINERY ME-3
ALL DIMENSIONS ARE INCHES



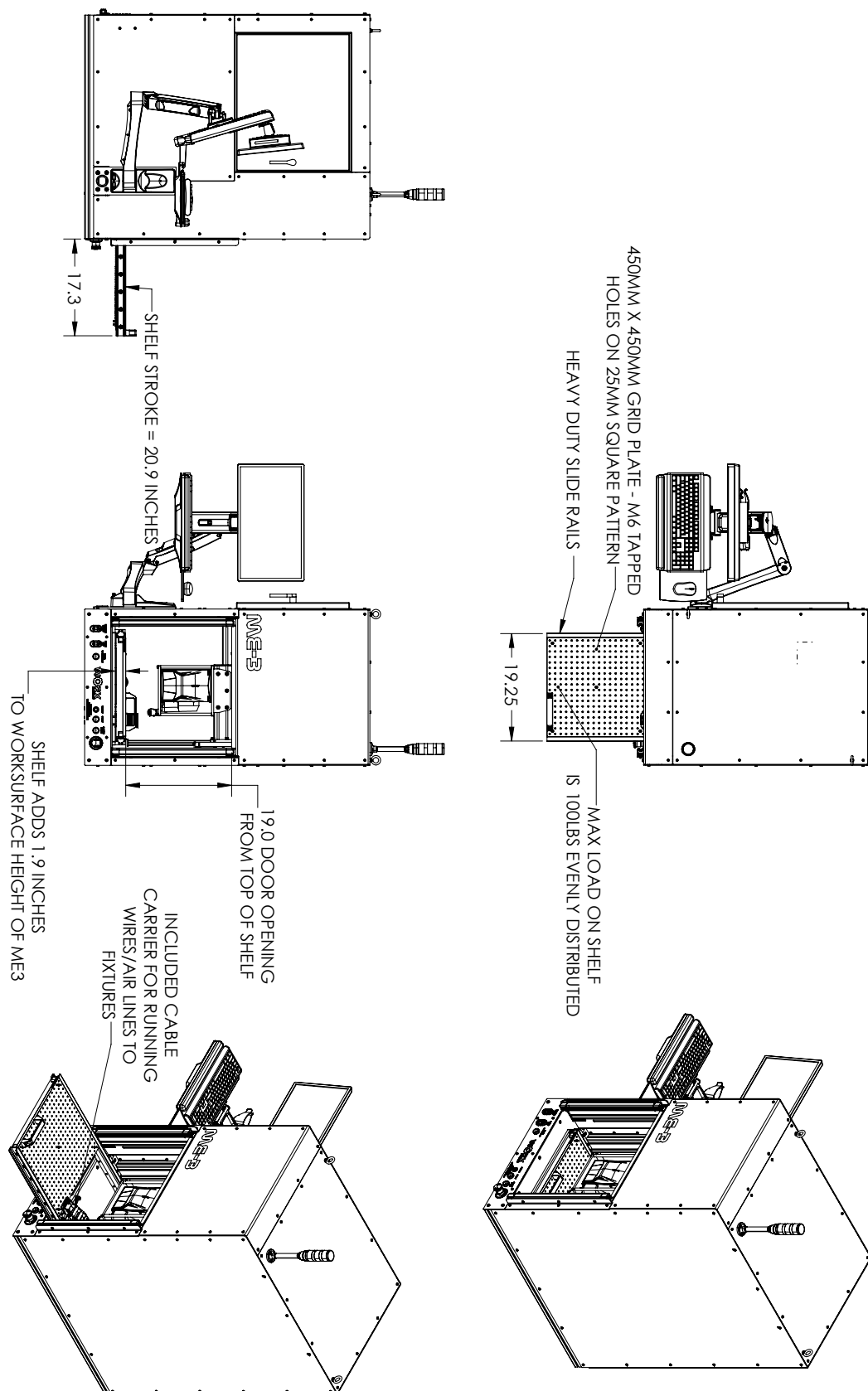
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WORX MACHINERY ME-3 ON OPTIONAL CART
ALL DIMENSIONS ARE INCHES

SECTION A-A

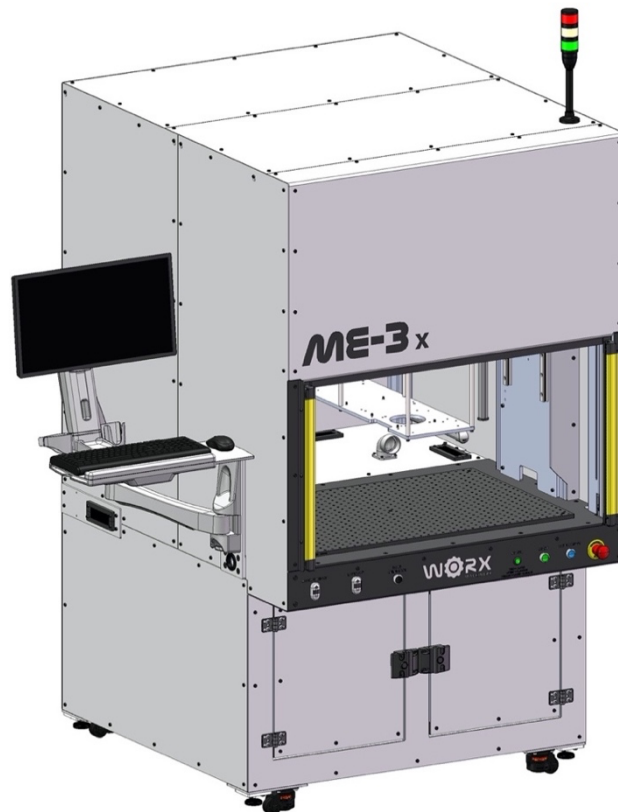


ALL DIMENSIONS ARE INCHES



ME-3x Laser Marking Enclosure = \$43,950

- Class 1 certified for KEYENCE ML-Z, MD-X, MD-F and MD-U lasers (standard and wide area models)
- Acrylic laser safe viewing window on door
- Automated vertical door
- Automated laser Z axis (400mm travel)
- KEYENCE light curtains, door switches, and safety controller wired to a CAT 3 safety standard
- PC with Windows 10 Pro, keyboard, mouse, and monitor on an articulating arm
- E-stop, safety reset button, start button, status light, door open/close button, laser jog button, and machine height button on lower button panel
- Internal LED bar light mounted to laser plate (controlled by dimmer slide in KeyView software)
- 2" fume extraction port
- Red/Yellow/Green stack light
- Aluminum grid plate with M6x1 tapped holes on 25mm centers for fixture mounting
- KeyView software application for laser Z control and seamless integration with the KEYENCE laser
- Customer supplied laser installed, wired, and tested
- White powder coated exterior panels



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ME-3x OPTIONS

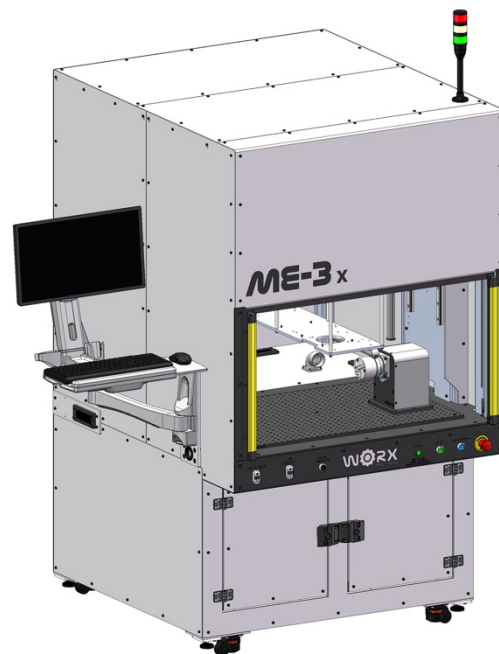
Fumex FA1 Mini with Flexible Fume Arm = \$2895.00

- CFM: 165 @ 19" wc
- Weight: 45lb
- Sound Level: 59dBA
- HEPA Filter: 99.97% efficient at 0.3 micron
- Signal feedback into Keyview for blower and filter status



Precision Rotary Indexer = \$7695.00

- Comes with 3 jawed manual chuck
- OD gripping range = 2mm-70mm
- ID gripping range = 24mm-64mm
- Programmable up to 8 indexes using KeyView software

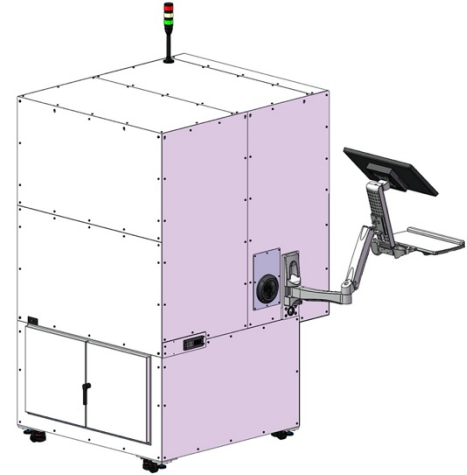


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ME-3x OPTIONS CONTINUED

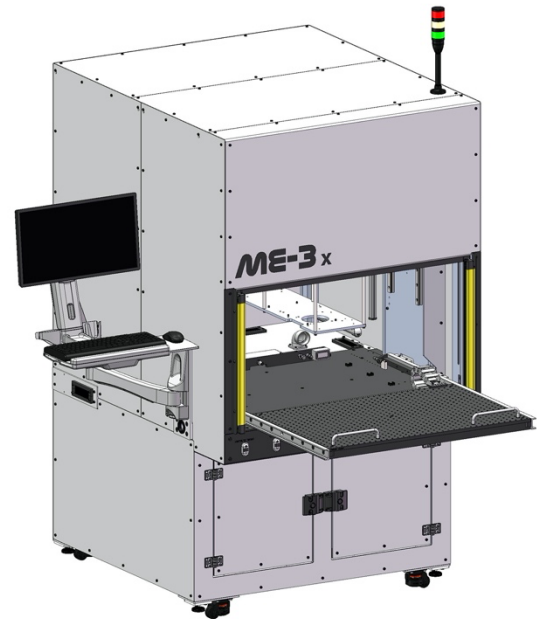
Long Part Pass Through Hole Panel = \$1595.00

- Left side only
- Retains Class 1 rating when part and presentation method is approved by Worx



Slide Out Work Surface = \$8895.00

- Heavy duty linear bearings allow for 200lb load
- Sensors and electromagnet ensure accurate positioning



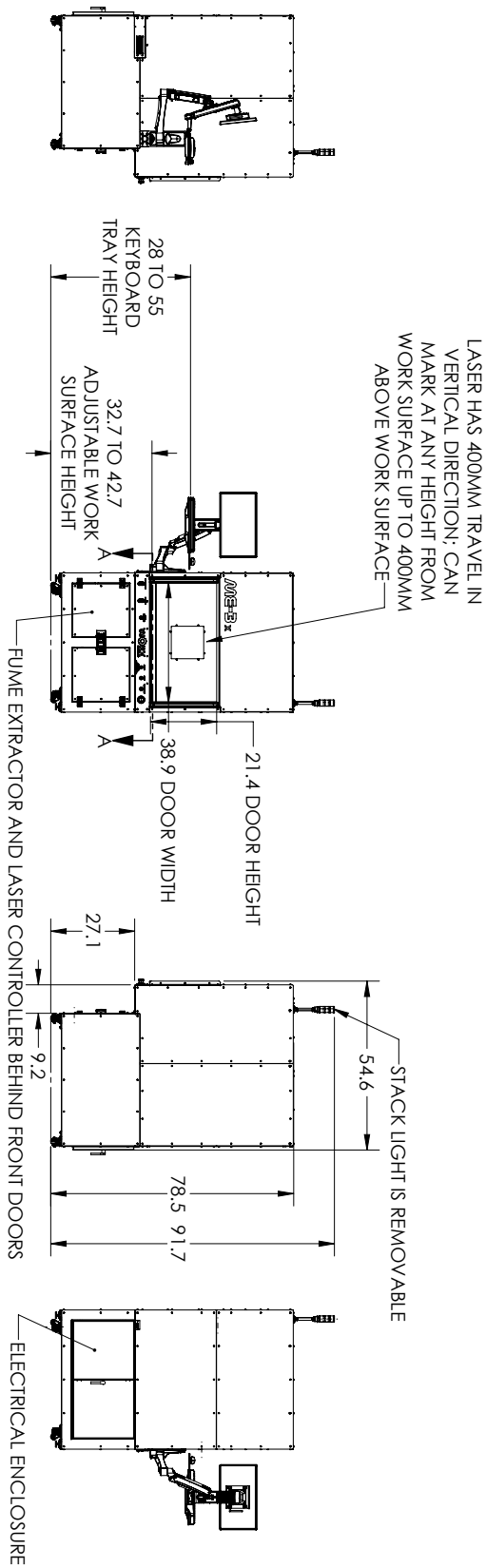
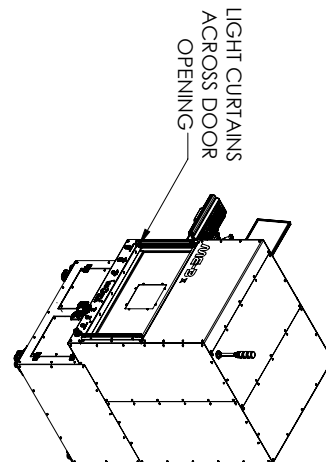
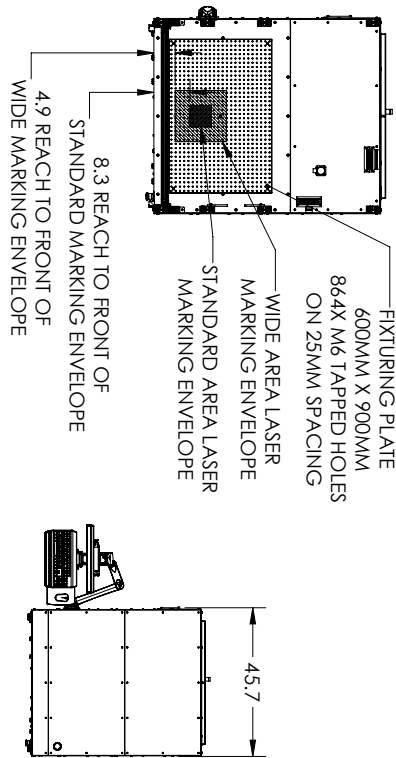
Barcode Reader/Scan to Program Selection = \$2895.00

- Includes KEYENCE HR-100 handheld 1D/2D reader and scan-to-program selection functionality activated in the KeyView software

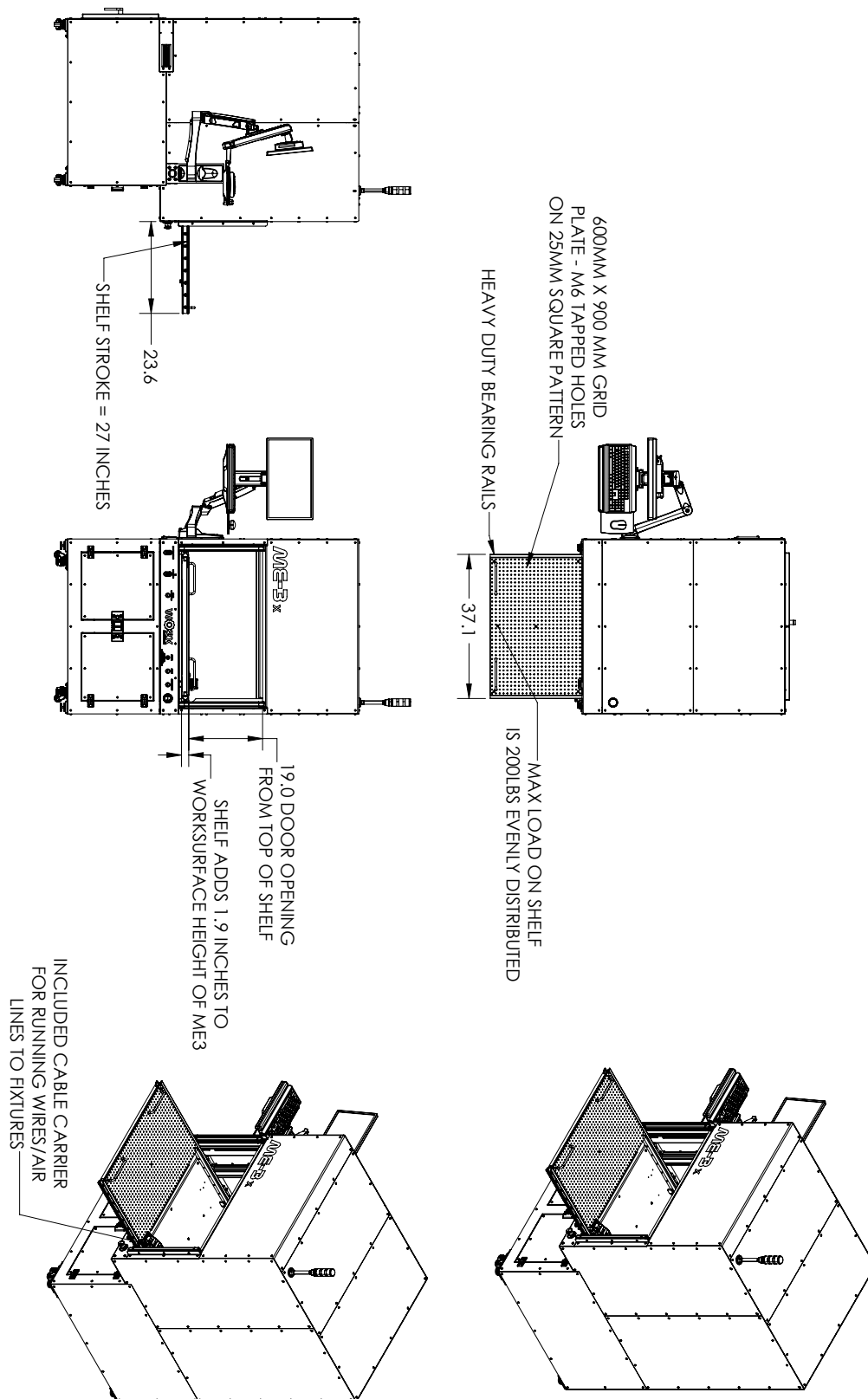


WORX MACHINERY ME-3X
ALL DIMENSIONS ARE INCHES

SECTION A-A



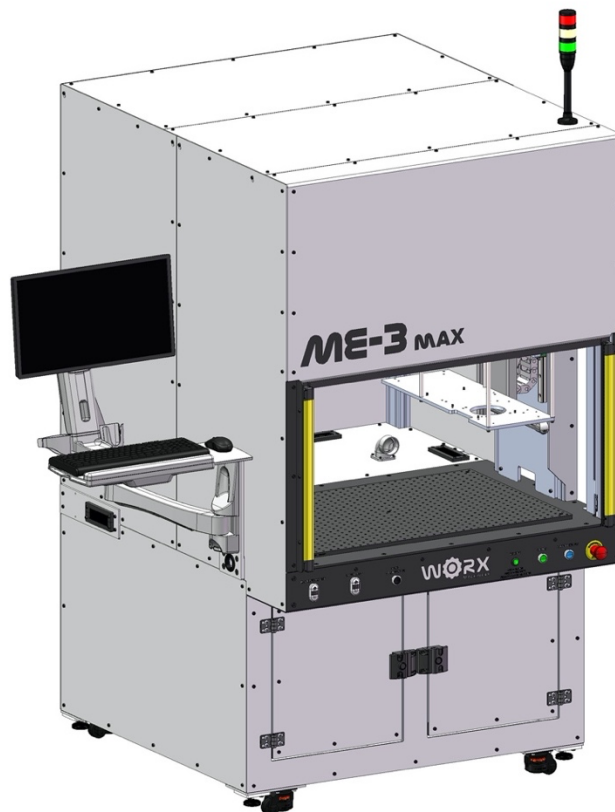
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ME-3_{MAX} Laser Marking Enclosure = \$65,950

- Class 1 certified for KEYENCE ML-Z, MD-X, MD-F and MD-U lasers (standard and wide area models)
- Acrylic laser safe viewing window on door
- Automated vertical door
- Automated laser X axis (500mm travel), Y axis (350mm travel), Z axis (400mm travel),
- KEYENCE light curtains, door switches, and safety controller wired to a CAT 3 safety standard
- PC with Windows 10 Pro, keyboard, mouse, and monitor on an articulating arm
- E-stop, safety reset button, start button, status light, door open/close button, laser jog button, and machine height button on lower button panel
- Internal LED bar light mounted to laser plate (controlled by dimmer slide in Keyview software)
- 2" fume extraction port
- Red/Yellow/Green stack light
- Aluminum grid plate with M6x1 tapped holes on 25mm centers for fixture mounting
- KeyView software application for laser Z control and seamless integration with the KEYENCE laser
- Customer supplied laser installed, wired, and tested
- White powder coated exterior panels



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ME-3_{MAX} OPTIONS

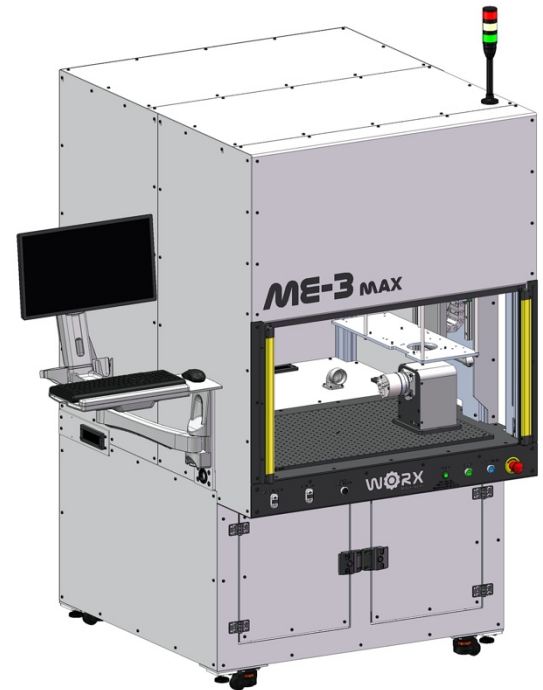
Fumex FA1 Mini with Flexible Fume Arm = \$2895.00

- CFM: 165 @ 19" wc
- Weight: 45lb
- Sound Level: 59dBA
- HEPA Filter: 99.97% efficient at 0.3 micron
- Signal feedback into Keyview for blower and filter status



Precision Rotary Indexer = \$7695.00

- Comes with 3 jawed manual chuck
- OD gripping range = 2mm-70mm
- ID gripping range = 24mm-64mm
- Programmable up to 8 indexes using KeyView software



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ME-3_{MAX} OPTIONS CONTINUED

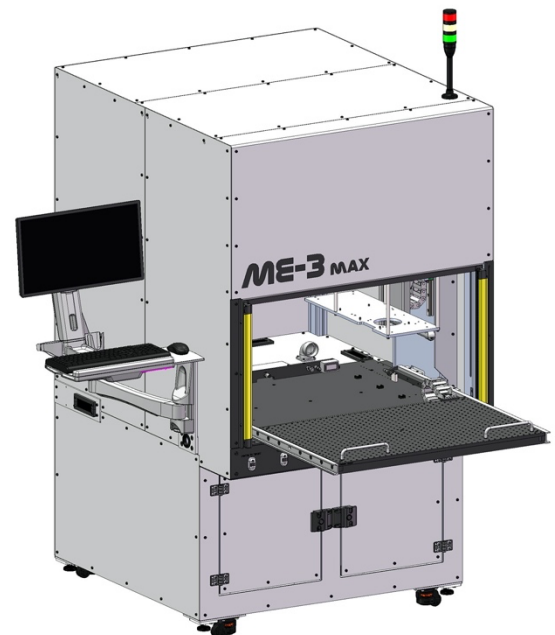
Long Part Pass Through Hole Panel = \$1595.00

- Left side only
- Retains Class 1 rating when part and presentation method is approved by Worx



Slide Out Work Surface = \$8895.00

- Heavy duty linear bearings allow for 200lb load
- Sensors and electromagnet ensure accurate positioning

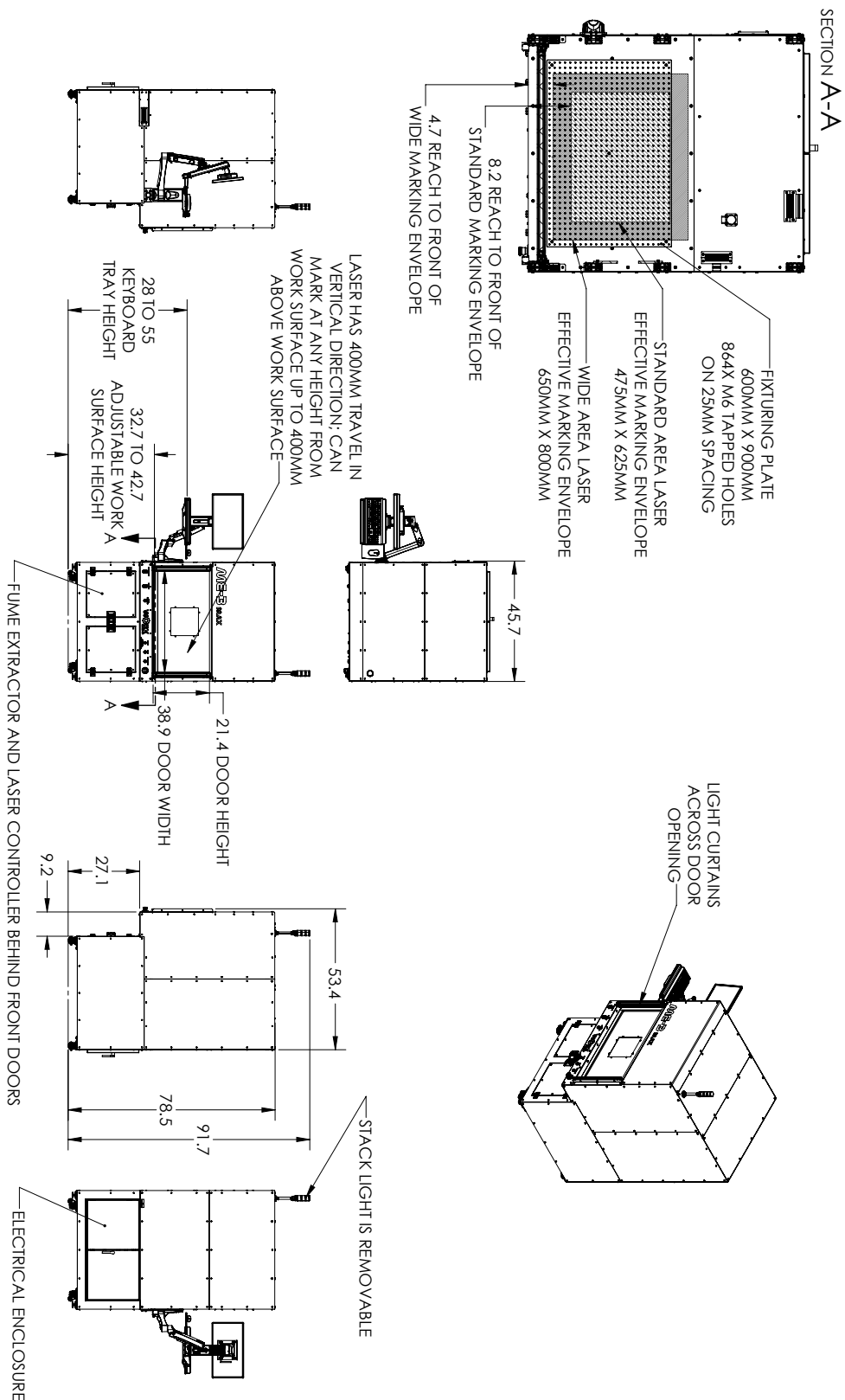


Barcode Reader/Scan to Program Selection = \$2895.00

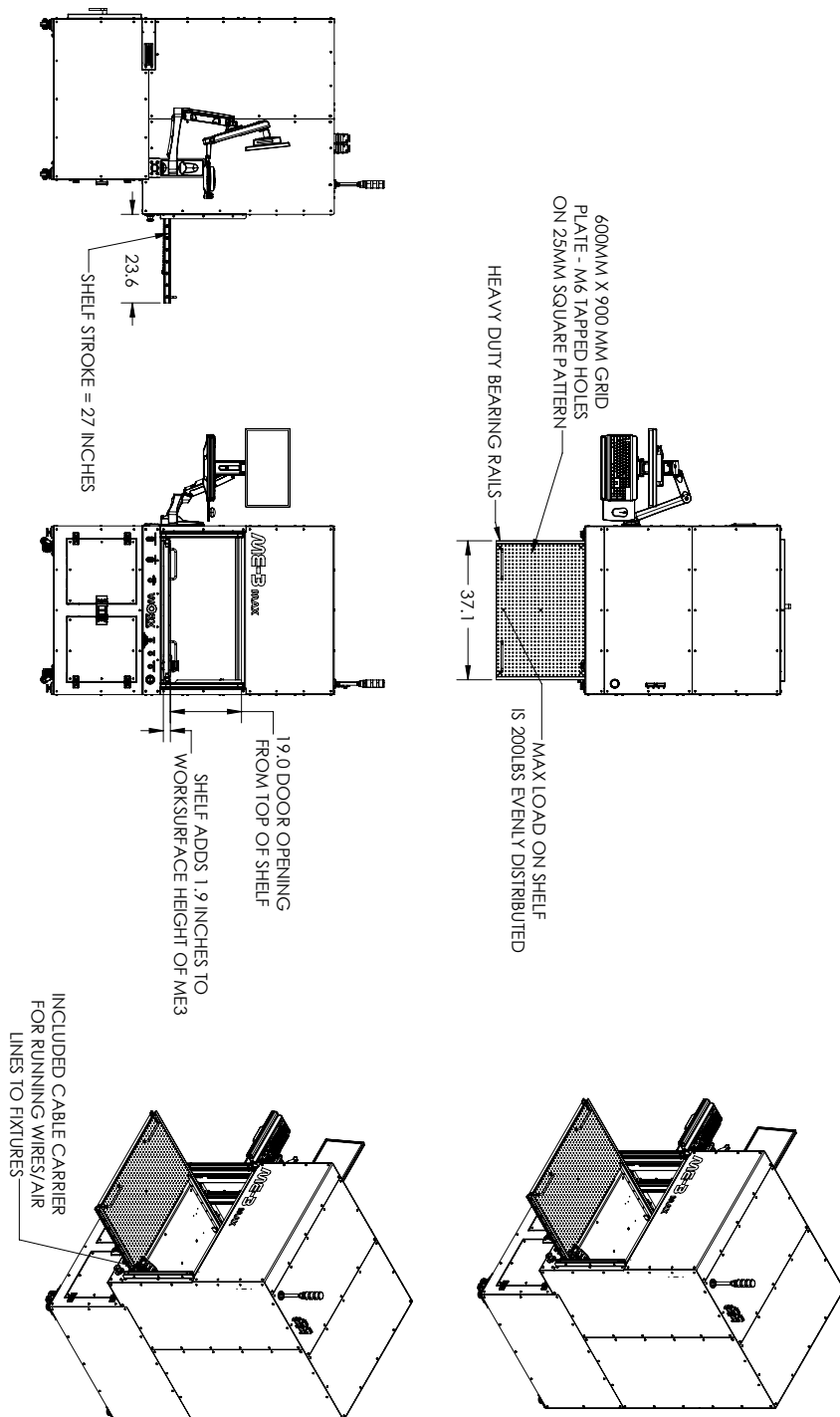
- Includes KEYENCE HR-100 handheld 1D/2D reader and scan-to-program selection functionality activated in the KeyView software



WORX MACHINERY ME-3MAX
ALL DIMENSIONS ARE INCHES

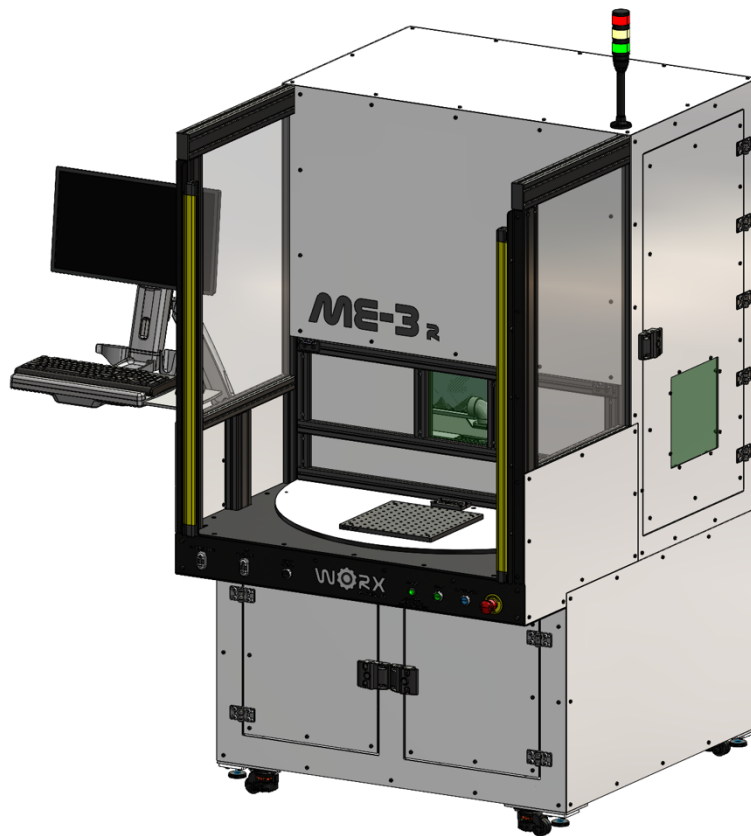


ALL DIMENSIONS ARE INCHES



ME-3_R Laser Marking Enclosure = \$54,950

- Class 1 certified for KEYENCE ML-Z, MD-X, MD-F and MD-U lasers (standard and wide area models)
- Large acrylic laser safe viewing window on divider panel
- Short door or tall door options to accommodate a variety of part sizes
- 2 position precision rotary table
- Automated laser Z axis (250mm travel)
- KEYENCE light curtains
- PC with Windows 10 Pro, keyboard, mouse, and monitor on an articulating arm
- E-stop, start button, indicator light, LED dimmer, and door open/close button on lower button panel
- Internal LED bar light (controlled by dimmer)
- 2" fume extraction port
- KeyView software application for laser Z control and seamless integration with the KEYENCE laser
- Customer supplied laser installed, wired, and tested
- White powder coated exterior panels



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ME-3₂ OPTIONS

Fumex FA1M with Flexible Fume Arm = \$2895.00

- CFM: 165 @ 19" wc
- Weight: 45lb
- Sound Lvl: 59dBA
- HEPA Filter: 99.97% efficient at 0.3 micron
- Signal feedback into Keyview for blower and filter status



Barcode Reader/Scan to Program Selection = \$2895.00

- Includes KEYENCE HR-100 handheld 1D/2D reader and scan-to-program selection functionality activated in the KeyView software



