

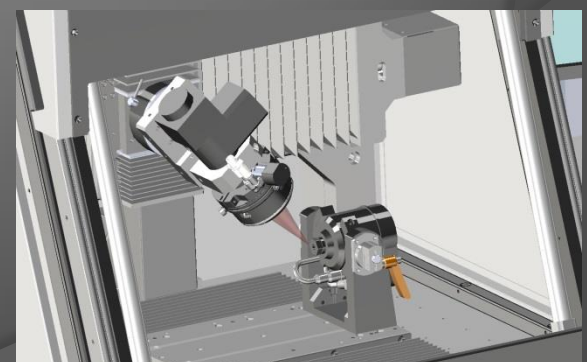
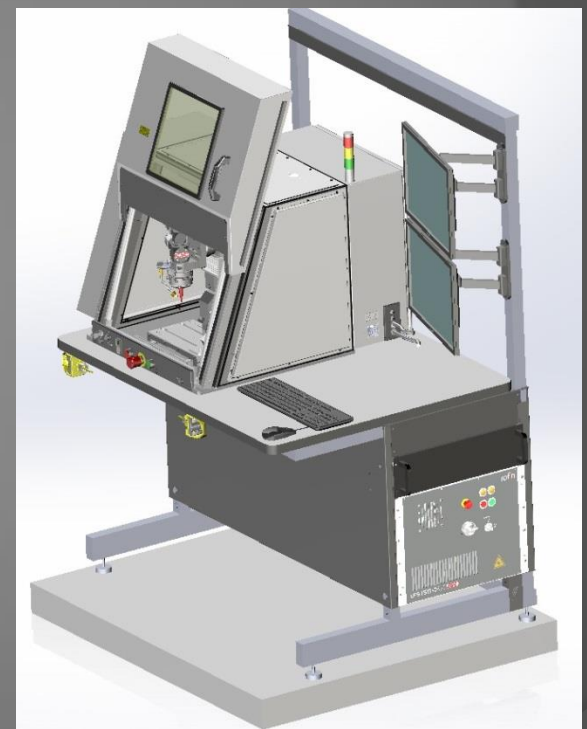
Kohler Design LS 38 “Mini”

Key Features

- Class 1 enclosure
- Maintenance free XYZ lead screw stages
- 7” X travel, 6.5” Y travel, 3” Z travel
- Vertical automatic door (Standard)
- NLS and RCU based lasers
- Dedicated pneumatics box
- KDC-210 Controller
- CanOpen Motion 6 Axis Interpolation
- KDM CNC Software (G Code Based)

Options

- No Enclosure (Class 4)
- DDR-01C Rotary with 5C collet closer
- MDR-01 Rotary with ER-11 collet closer and Tilt Stand Mount.
- Production Operator Table
- 19” Rack Table Upgrade for OEM Fiber laser integration
- NLS and RCU based lasers
- Gas Flow Meter with PNP Output (new)
- 2” Point of Use Fume Port Kit (new)
- Custom Tooling / Tailstock design
- KDM Vision Integration (Cognex)
- KDM Production Environment
- KDM Custom GUI

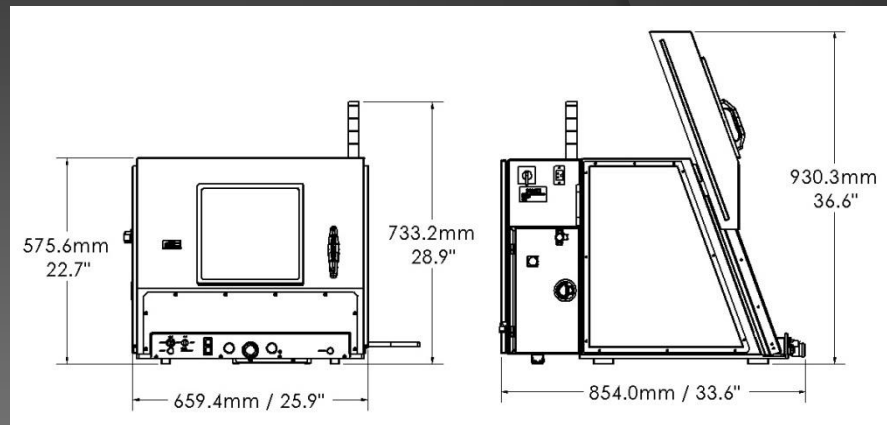


For more information please contact:
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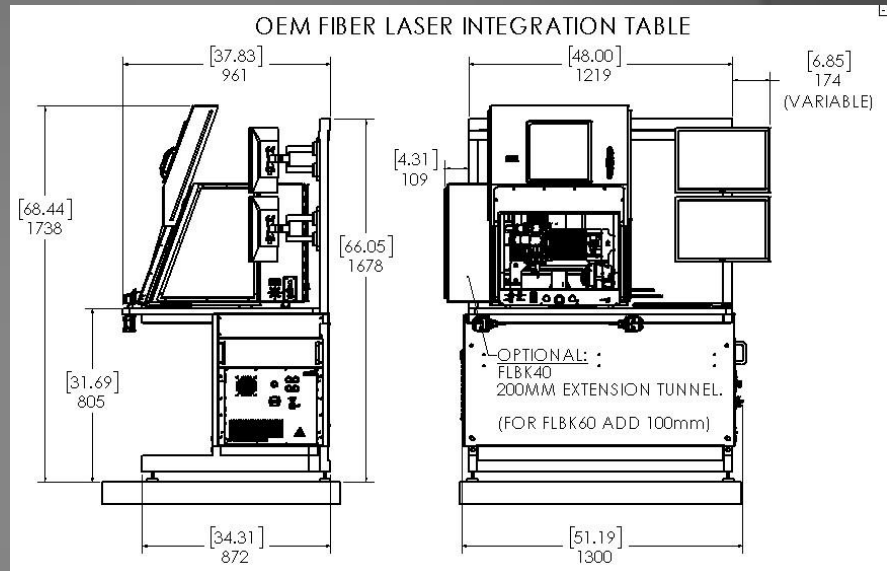
General Features

- Compact size / desk top
- Versatile
- User-Friendly
- Economical
- Robust
- Accurate Motion Control
- Field Proven & Reliable
- Ideal for R&D & Production Environments
- 5C Collet direct drive rotary
- ER-11 Collet direct drive rotary (new)
- Extended Left Side Tunnel for Fiber Laser Processing Heads
- OEM fiber laser integration
- Custom tailstocks and tooling
- Lead Screw driven XYZ axis (Welding Applications)



Markets Served:

- Medical Device Manufacturing
- Automotive
- Aerospace
- Electronics
- Computer Technology
- Alternative Energy
- Scientific Research
- Telecommunications



Standard motion system:

- Closed-loop, DC servo drive system with optical rotary encoder (XYZ)
- Preloaded Lead Screw drive (XYZ) – Zero Backlash
- Preloaded Linear Ball Bearings (XYZ)
- X-axis 7" [178mm] travel, Y-axis 6.5" [165mm] travel, Z-axis 3" [75] travel.
- Processing head on manual Z feed stage, 1" [25 mm]
- Manual rotary stage (+/-90°) for fiber optic processing head
- 5C Collet direct drive rotary (DDR-01C)
- Work table (Y-Axis) size 10.8" x 6.7" [275mm x 170mm] with M5 tapped holes or M5 T nuts
- Y Axis Table Load Capacity 44lbs. (20kg)
- Feed rate XYZ = 0.1 - 130 ipm [3.5m / min]
- Repeatability (XY) <= 0.0005" [12um], Z 0.0009" [25um]
- Resolution (XY) 0.0005" [0.0127mm] Z axis 0.0254 mm (0.001") (standard = optical encoders)
- Accuracy (XY) 0.001"/ft [0.025mm / 300mm]
- MPS-38 weight approx. 80lbs [36kg] (No work table)
- Programming via G and M functions • CAD/CAM software (optional)
- Electrical connection 120VAC or 230VAC