DRAWINGS

Front View



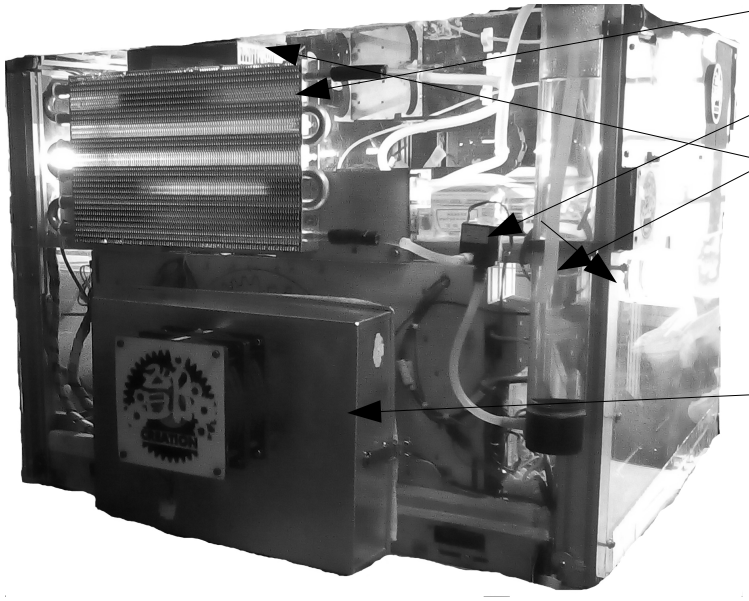
Front Access Door

AC Power Selector Knob

VFD Contoller

Control Panel for Laser Cutting. Switches layout from top to bottom – Coolant Temperature display, Laser power level knob, laser enable switch (guarded), exhaust/water pump switch, air-pump switch.

Back View



Radiator

Water pump

Water Tank

VFD

Exhaust Filtration Unit

Illustration 1. Desktop Manufacturing System (DMS) External Front and Back View

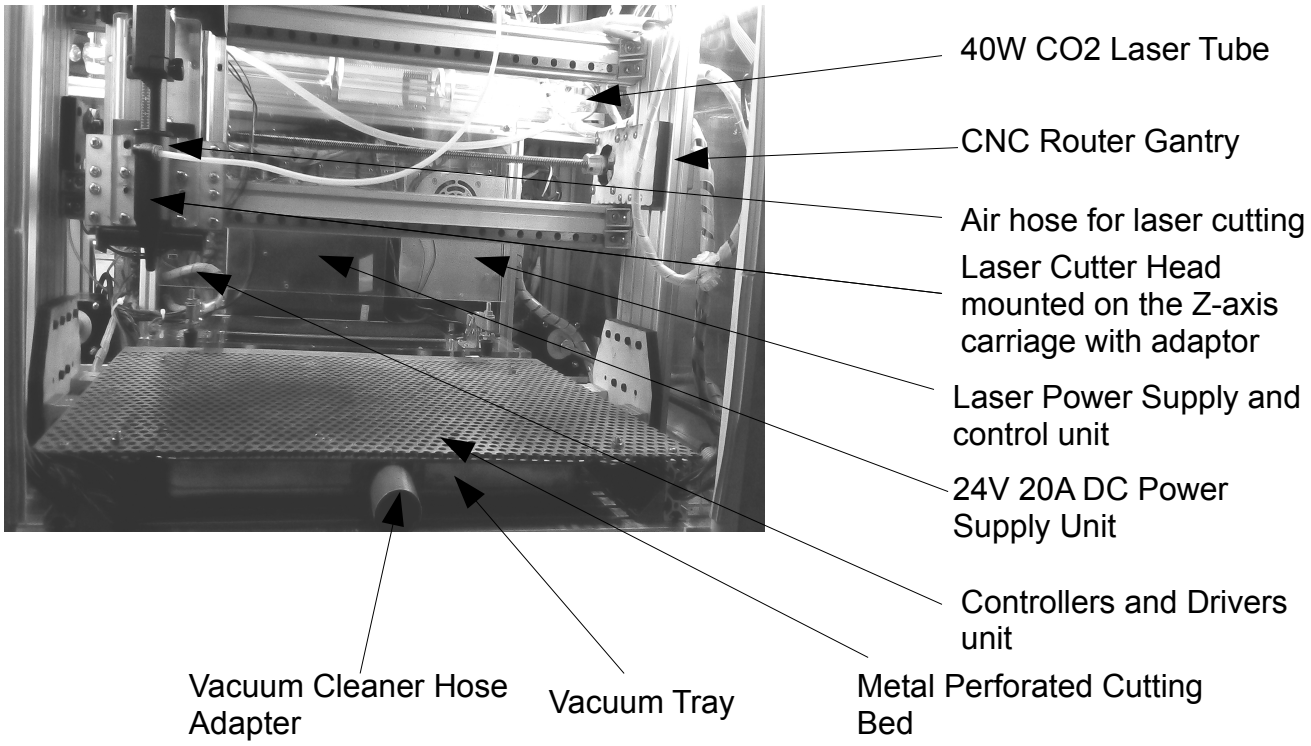


Illustration 2. DMS Inner view (Front)

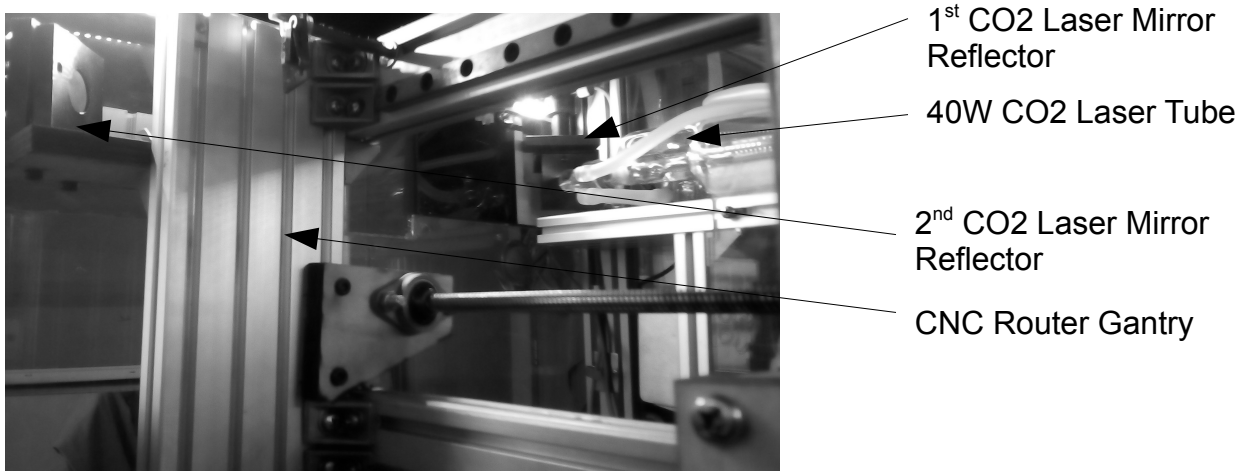


Illustration 3. DMS Inner view (Left)

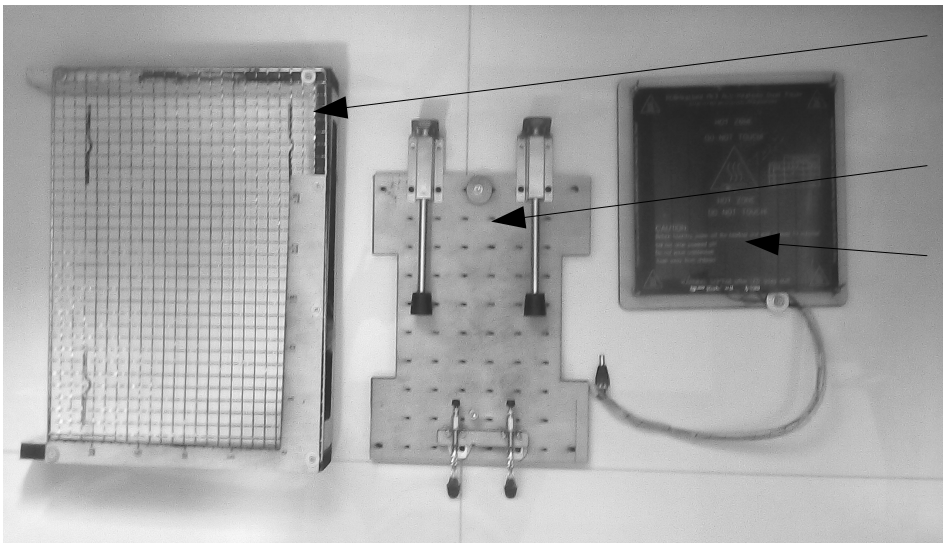


Illustration 4. DMS Modular Cutting/Printing Beds

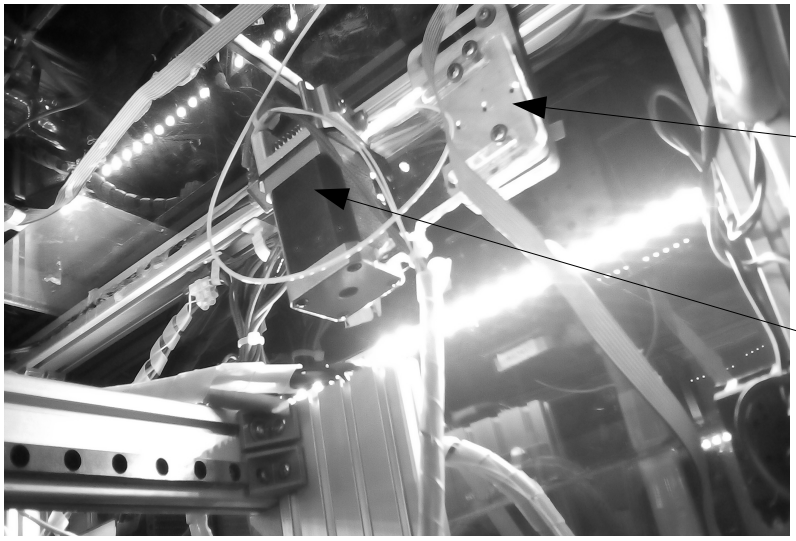


Illustration 5. DMS Internal Tools Storage

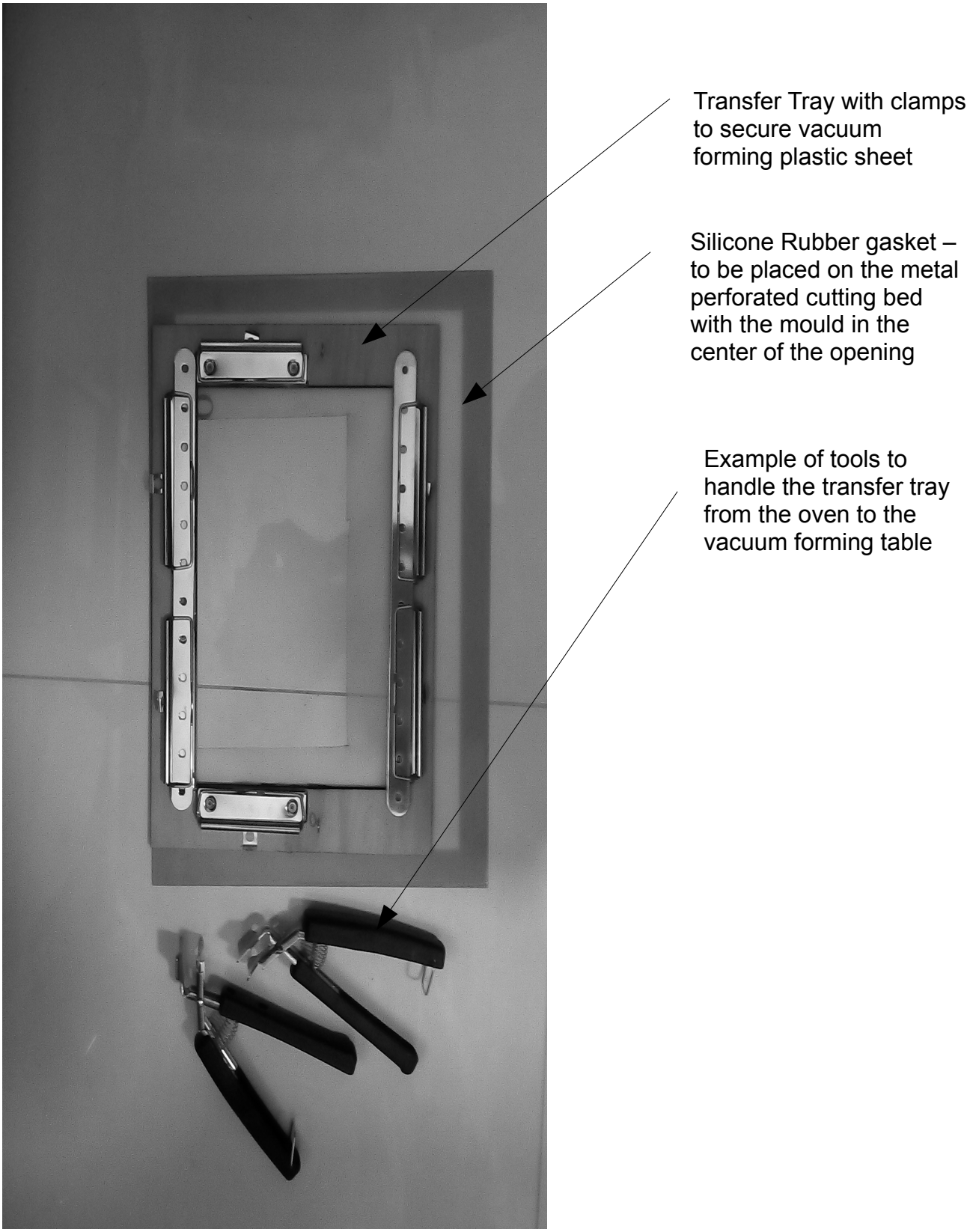


Illustration 6. DMS Vacuum Forming Transfer Tray



Illustration 7. CNC Mill Module