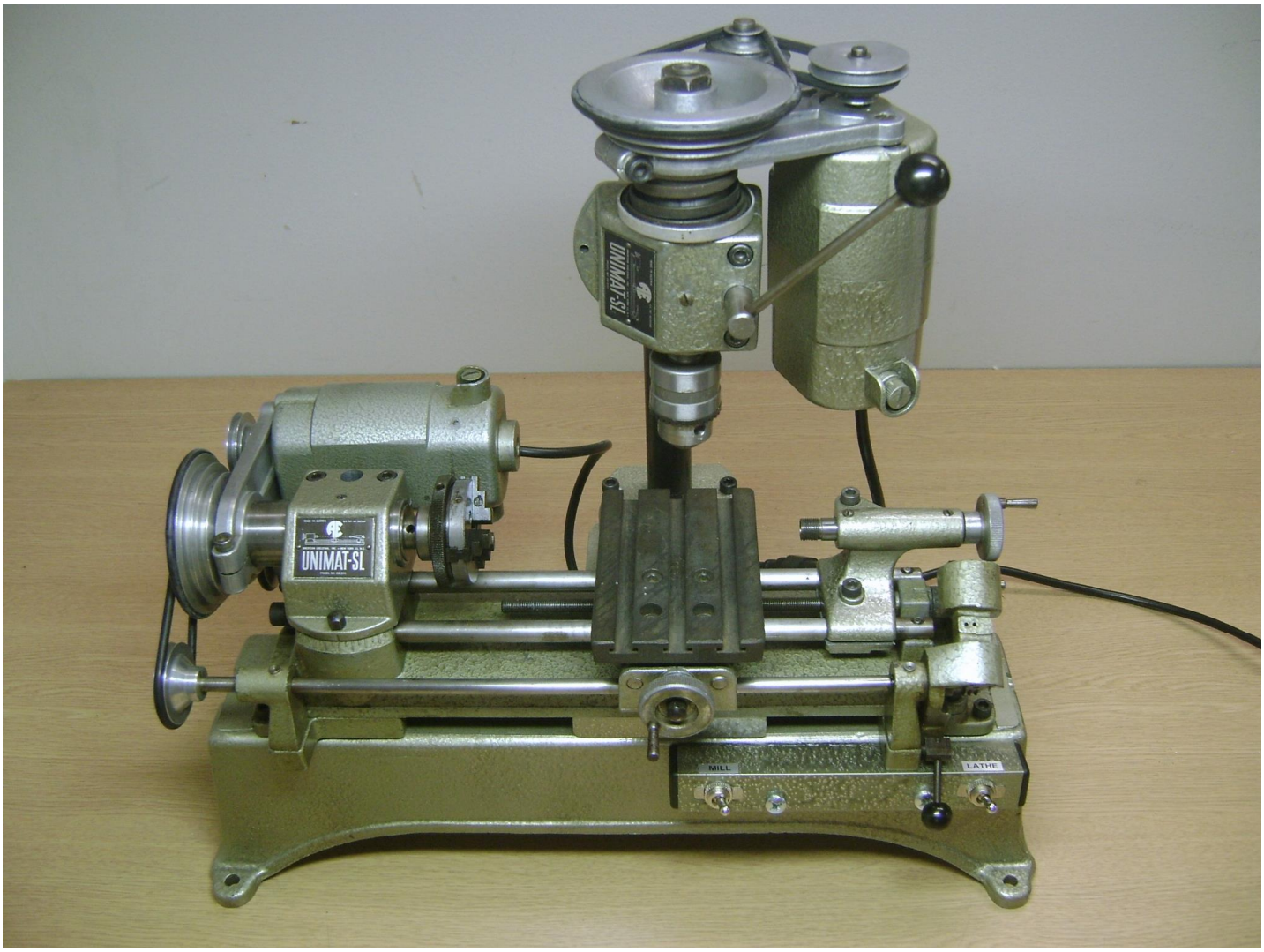
This kit was made up from parts of two Unimat SLs. Both motors and spindles as shown, so lathe and vertical functions are always available without changing set-up. You can even do powered milling advance in one direction, by using the lathe motor and longitudinal power feed mechanism.

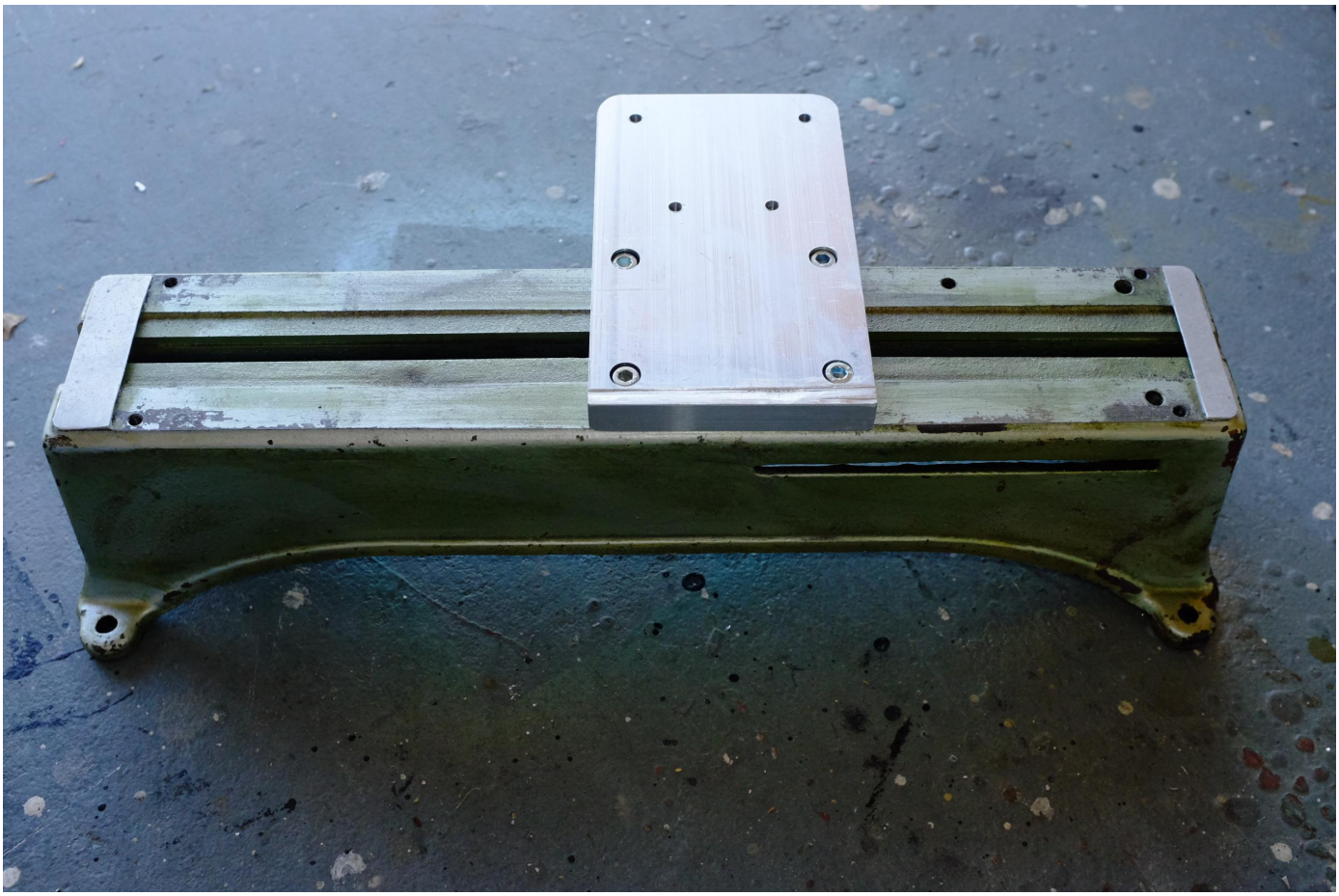
The vertical column base is the headstock end of the other Unimat bed. It is mounted on a piece of 5/8" thick solid aluminum flat bar stock. Note that it is mounted with 4 screws spaced for stability, instead of just using the stock holes. The 5/8" plate is solidly bolted to the overall cast iron base. The cast iron base appears to be the bed of a small wood lathe. The space under the Unimat lathe bed created by the power feed was perfect for attaching this plate. The vertical column was loose in the socket before tightening the large set screw, so the 3/8" thick aluminum collar around the post dresses up the appearance and adds additional stabilty. The whole effect is a very rigid set-up, and far superior to just mounting the vertical behind the lathe on a wood benchtop.

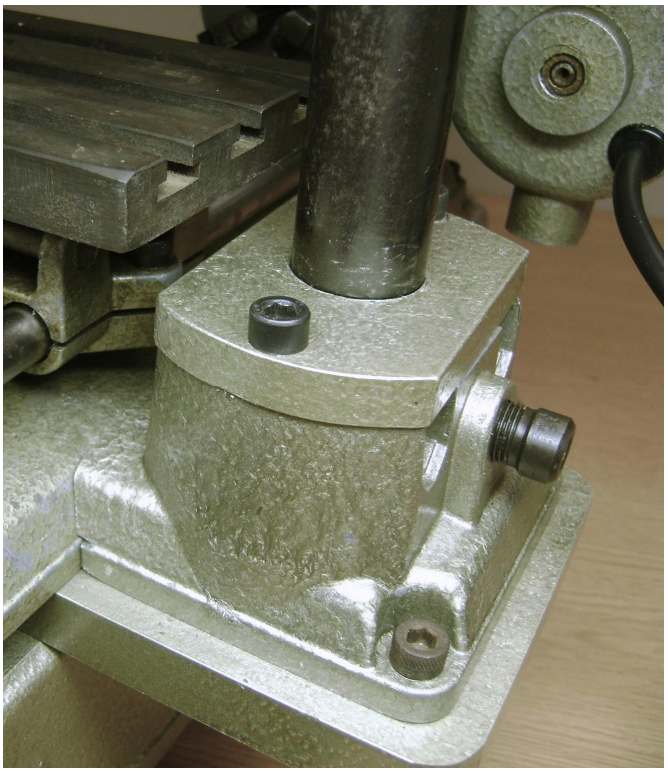
The cast iron base adds mass and raises the whole thing up. If you work sitting at a kitchen table, this will bring the machine closer to eyelevel. If you work standing at a workbench, this means less bending over.

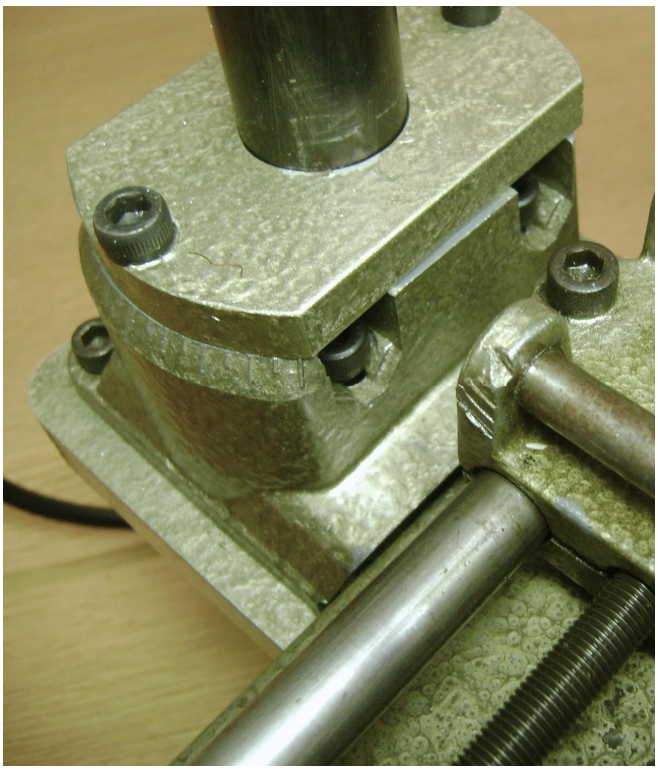
Both motors are controlled by the switch bar on the right front. The power cords on both motors were replaced with standard computer equipment cords. This makes it easy to disconnect a motor for servicing. While I had the motors apart for re-cording, I inspected and cleaned them internally. Both have very little brush wear. Replaced the motor cord rubber grommets.

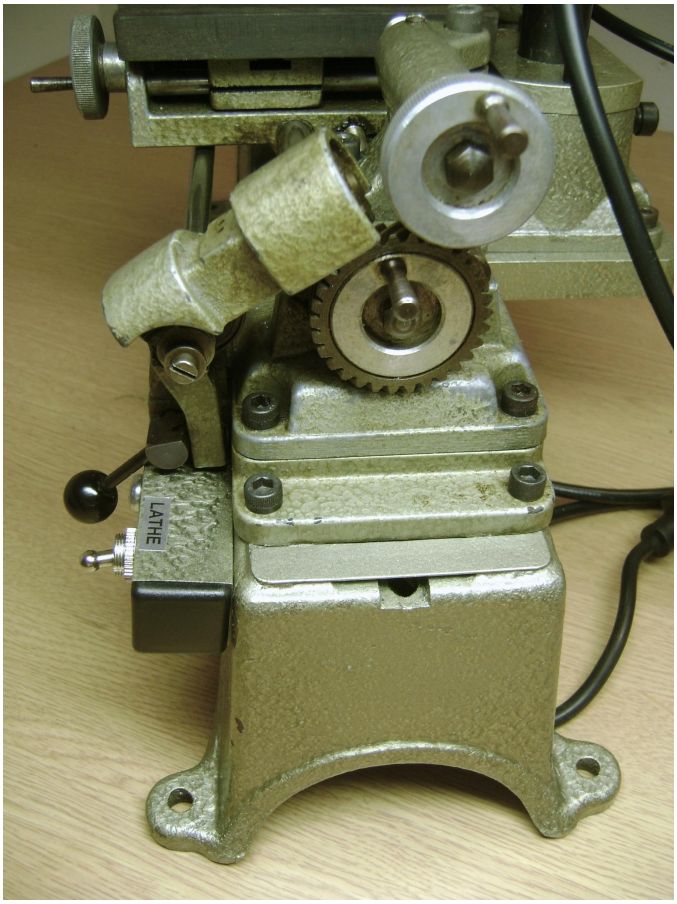
Portions of the set-up were repainted, mostly the vertical portion and the cast iron base. The lathe and power feed were left with original paint.

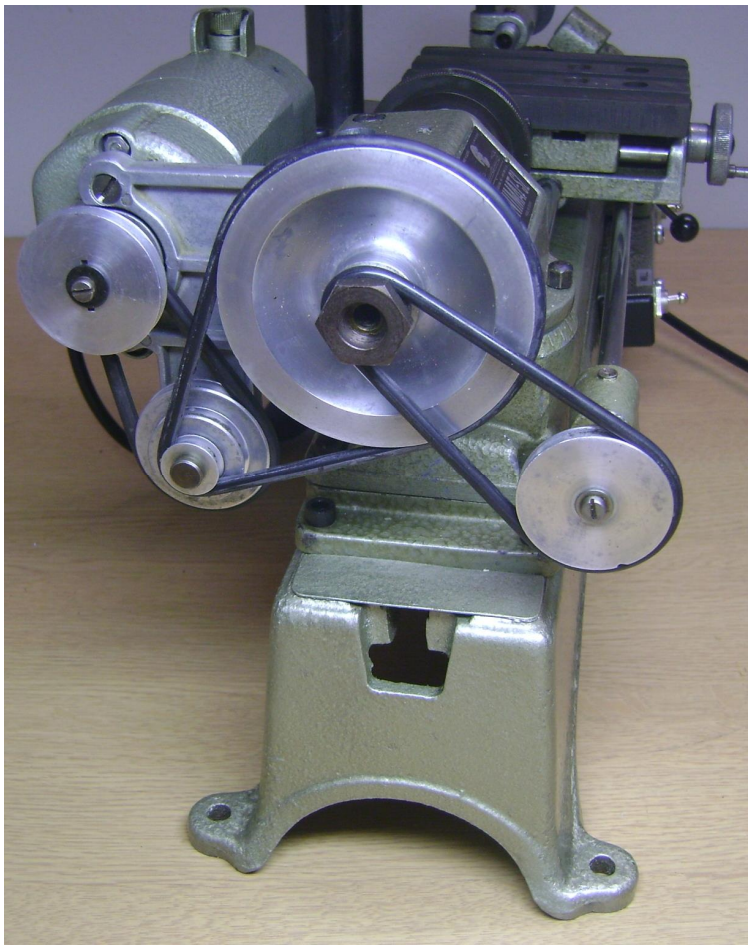


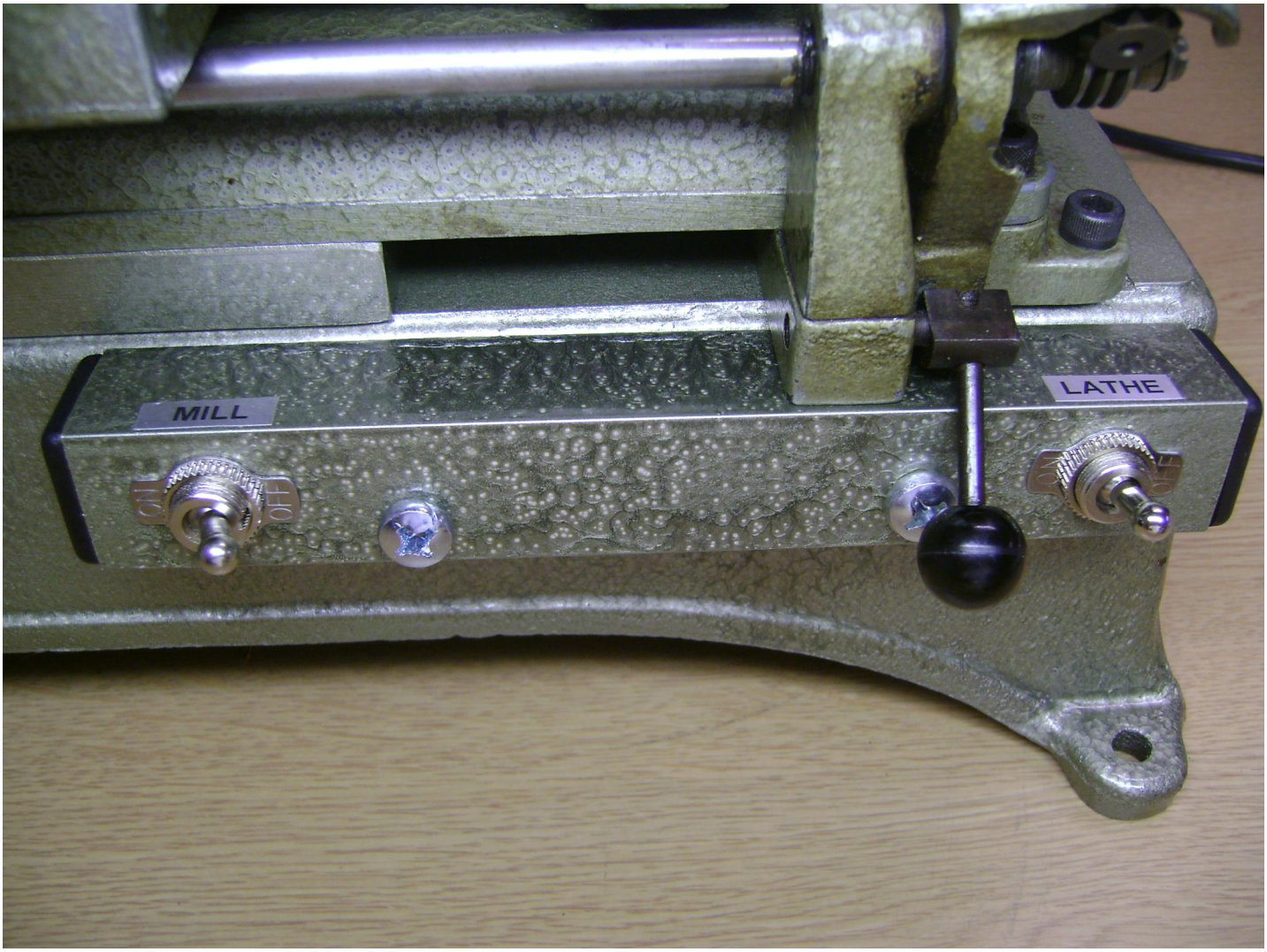







LATHE




MILL
LATHE