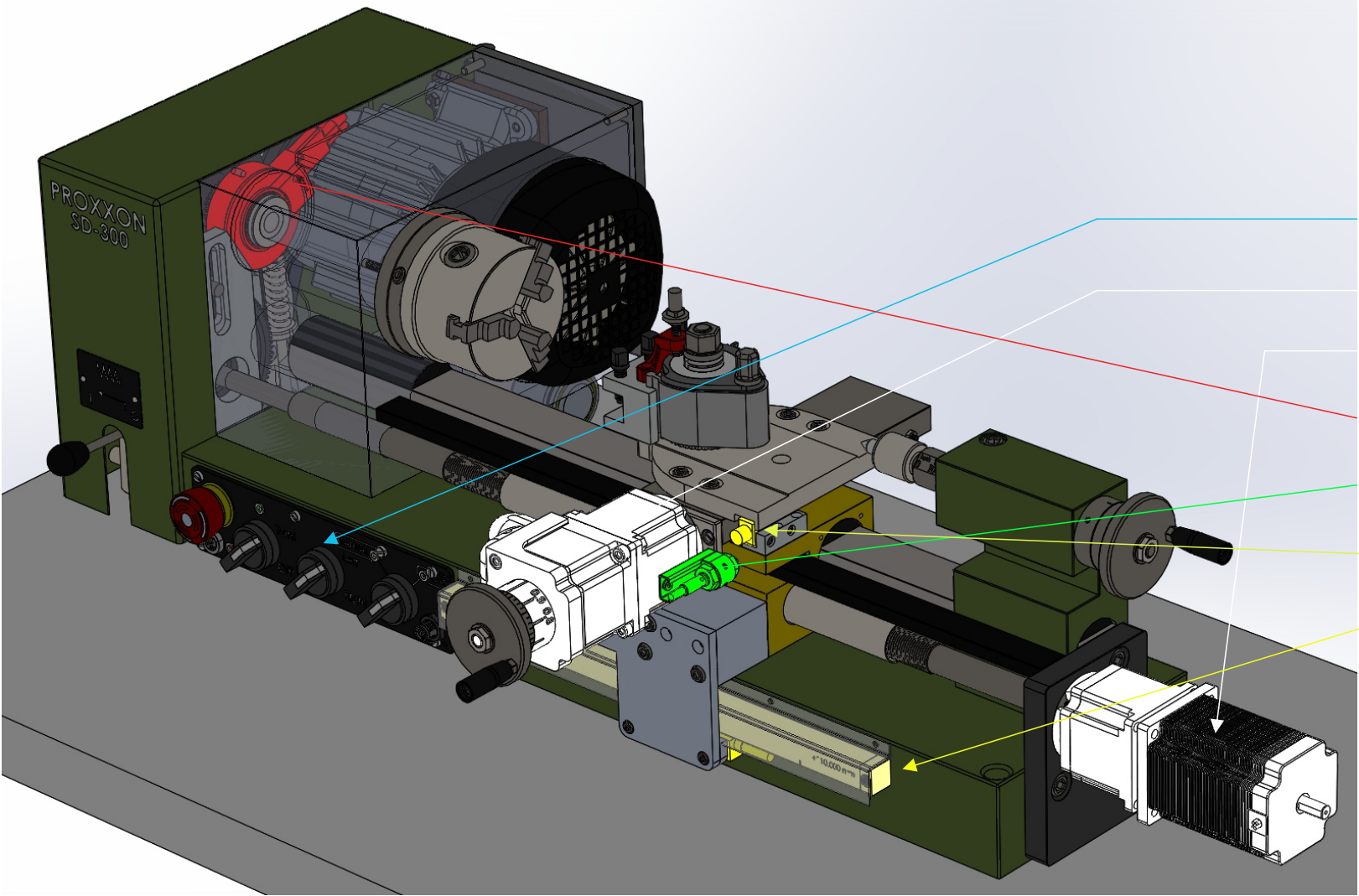


# Basic Setup of Proxxon SD-300, Lathe CNC-Conversion (LinuxCNC)

Author: Ronald J / 3 Nov 2020  
Conversion Status: X-Axis TBD



- UI: Custom UI-Panel (Switch between Manual & CNC Mode)
- M1: NEMA23 Stepper Motor (23HS22-3008D)
- M2: NEMA23 Stepper Motor (24HS34-3504D)
- S1: Custom Spindle Encoder (120 A+B Pulses/Rotation + Index Signal (z))
- S2a..S2b: Limit/End-Stop -Sensors (Omron, E2B-S08KS02-W)
- S3: Linear-Encoder Z (Mikronel, MLS130, 1um Res, 8um Prec.)
- S4: Linear-Encoder X (Sino, KA200-220, 1um Res, 3um Prec.)

## Integrated Into Lathe:

