Meeting 25 Sep

- Questions

1. Z-plate brackets → more holes further inside?
2. Z-plate margins → cut 5 mm evenly? ✓
   → cut "U" shape around rails? ✓
   → How much space between Z-plate and bars, rails etc.?
3. Z-plate size? 450 mm now
4. Leadscrew holes → screw holes not as in old design
5. Limit of motion in X / Y directions?
   X → ≥ 60 cm Y → ≥ 30 cm
6. Ring:
   - Which of the 3 designs? #1
   - Δ ring = ? (guard from tube) (e.g. 2 mm) (check inner diam)
   ✓ - width of ring = ? (e.g. 25 mm)
   ✓ - width of slots = ? (e.g. 4°)
7. Bars:
   - length? > 50 cm to allow for motion in Z direction
   ✓ - Δ bar = ? (guard from rim) (e.g. 15 mm)
   - screw-hole diam? (e.g. 6,8 mm) (drill 6 mm)
8. Can we cut parts / drill holes after we received them? (e.g. shorten bars if need)
   → not really, bar length must be fixed b/c of thread
9. Z-rails:
   — need to be longer and account for height of XY assembly

- Trapezoidal lead screw nuts → want "anti-backlash"
- X-carriage → small bracket → make it out of metal?
- Z-brackets → include threads for holes connecting to Z-plate
  → holes in Z-plate → 7 mm
- Bar holes ⌀ in ring & bottom plate → ask Nico
  - bar slot length → make it wider
  - motor slots → keep ⌀, lengthen