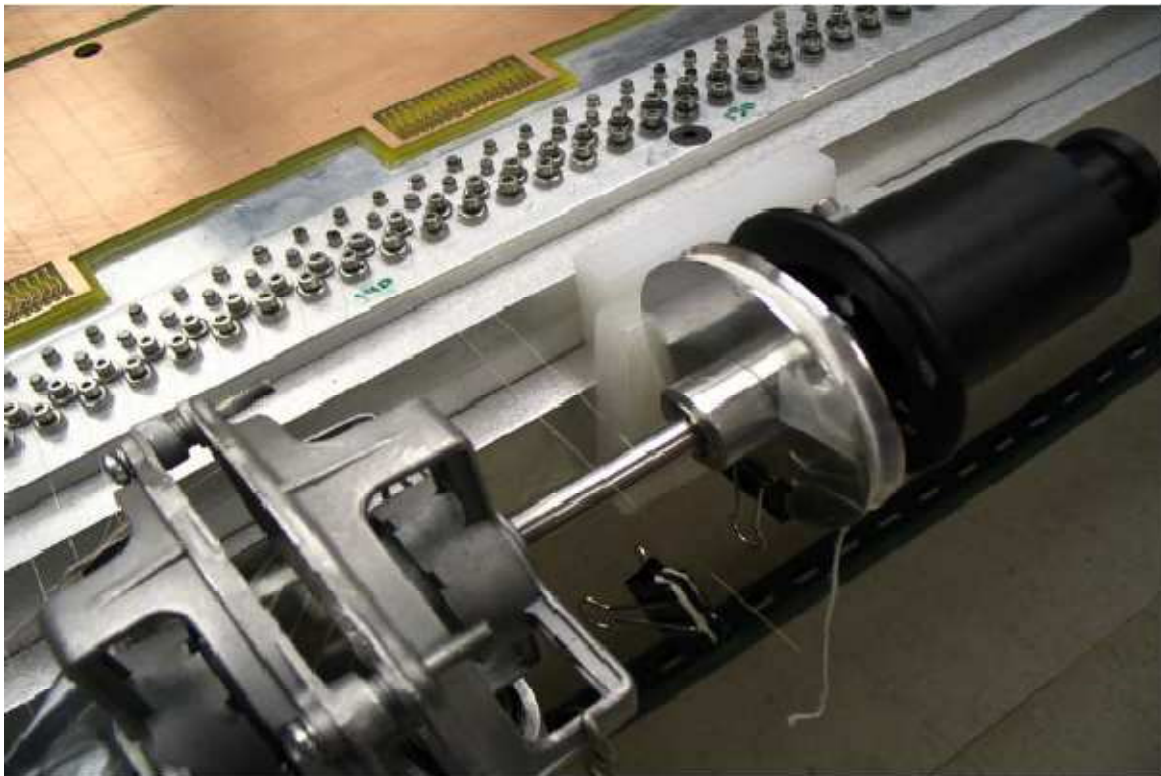


Wire stringing at JLab?

1. Based on the UVA experience one wire frame can be done by two techs (students! In UVA) in one week. Adding 30% contingency:

$28\text{frames} \times 1\text{week} \times 2\text{people} \times 1.3 \times \$1.7\text{k}/\text{week} = \124k

2. Mechanics: we can reuse the UVA aluminum jigs (the plate below with dowel pins and screws), two jigs 2m each. Some additional constructions are needed (has to be discussed with Bill) ~ \$20K.



3. Gluing: nothing special

4. We can use the UVA position measurement system: stepper motor, camera arm and camera:



5. For soldering: according to V.Nelyubin, special solder is need but not microscope (as discussed at the Monday meeting).
6. We would have to design a new tension measurement system. The one at UVA was not so efficient. ~\$5k.
7. We need an expert for one month?, to set-up the production ~7k?
8. Total: ~156k