**List of items to be made for DELTA-3.2 tuning, measuring, and handling at MMF.**

1. **Tuning on Kugler bench**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **QTY** | **Action required** | **Comments** |
| E-shape strongback supports with blocks for cam movers and lifting fixtures | 2 (different shapes) | To be designed | Sketch exists |
| Cam mover plates | 2 | Drill new holes to mount cam mover blocks | Dimensions to be specified |
| Keyence-X mounting bar | 1 | To be designed |  |
| Keyence-X mounting bracket | 1 | To be designed |  |
| Keyence-Y support bracket | 1 | To be designed |  |
| PM magnet lifting fixture | 2 | To be designed | Sketch exists |
| Torque wrench | 2 | To be purchased | Torque to be specified |
| Block for roll measurement | 2 | To be designed |  |

1. **Set-up next to the Dover bench**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **QTY** | **Action required** | **Comments** |
| Support pedestals | 2 | To be made | Update drawing with correct dimensions |
| Cam mover plates | 2 | Drill new holes to mount cam mover blocks | Dimensions to be specified |
| Support blocks with cam mover fixtures | 2 | To be designed |  |
| Hoist | 1 | To be purchased |  |
| Support blocks with cam mover fixtures for transport cart | 2 | To be designed | existing design modification |
| Support blocks with cam mover fixtures for CMM | 2 | To be designed | existing design modification |
| Brackets to support stages, PMs and zero - Gauss chambers | 2 | To be designed |  |