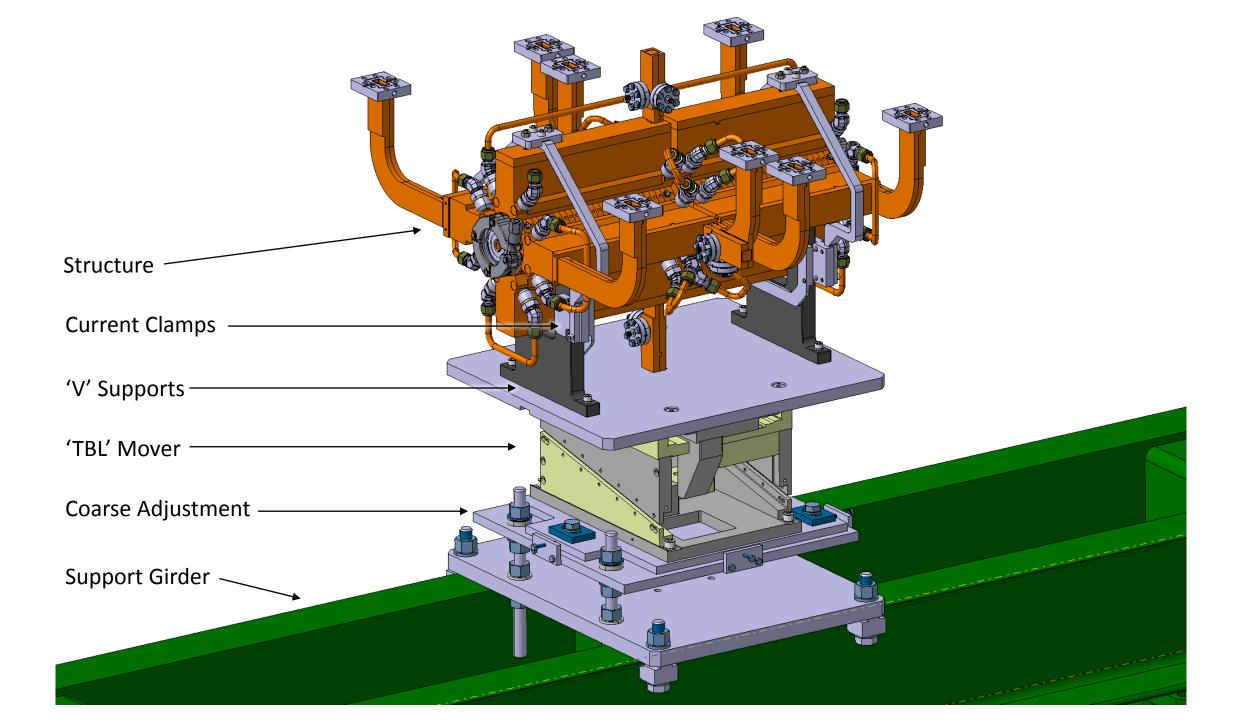
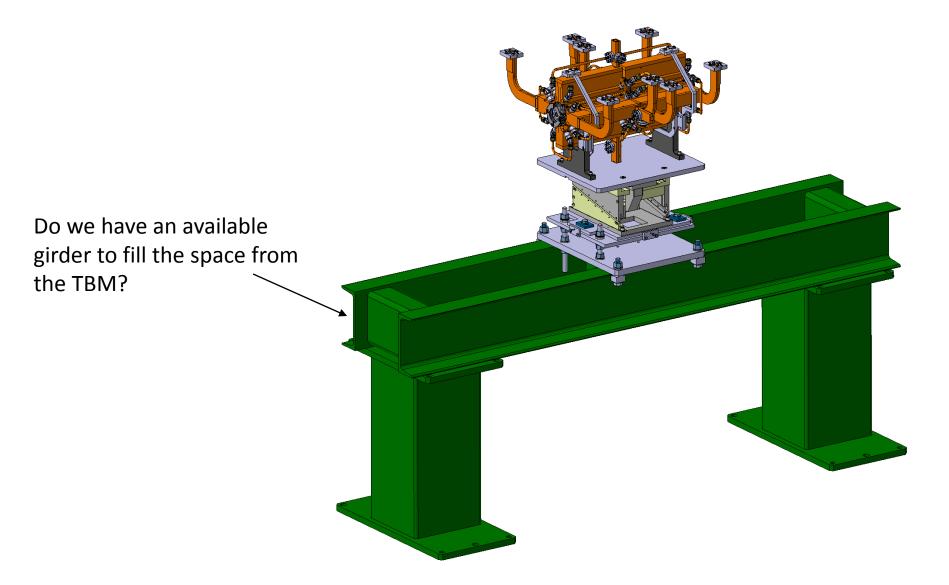
CLEAR SAS Mover Support

Matthew Capstick

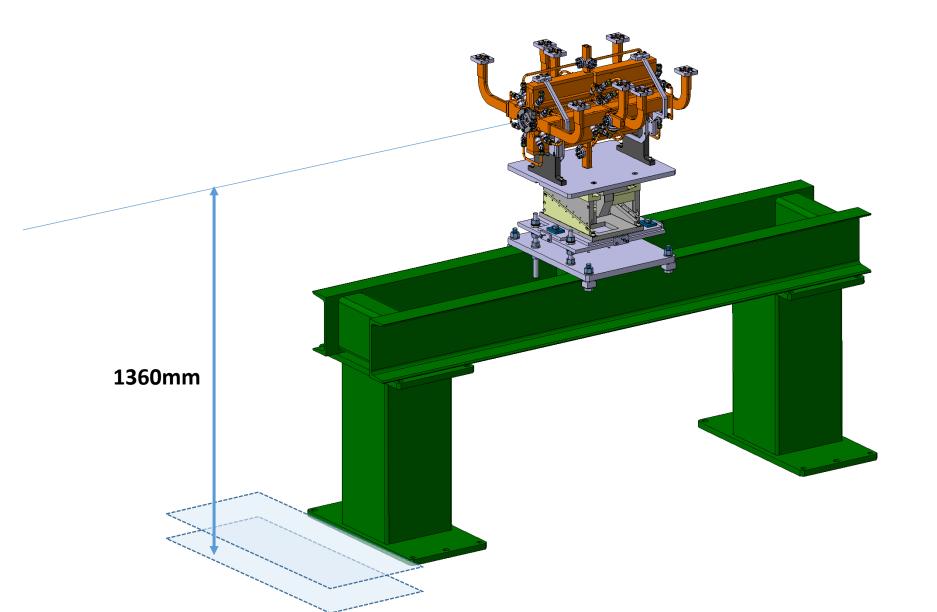
14-02-2020



CLEAR Support Girders

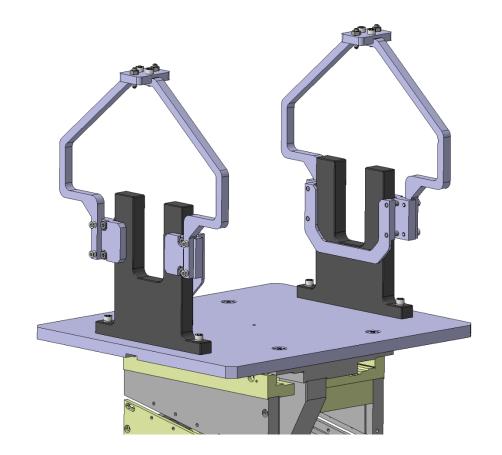


CLEAR Beam Hight



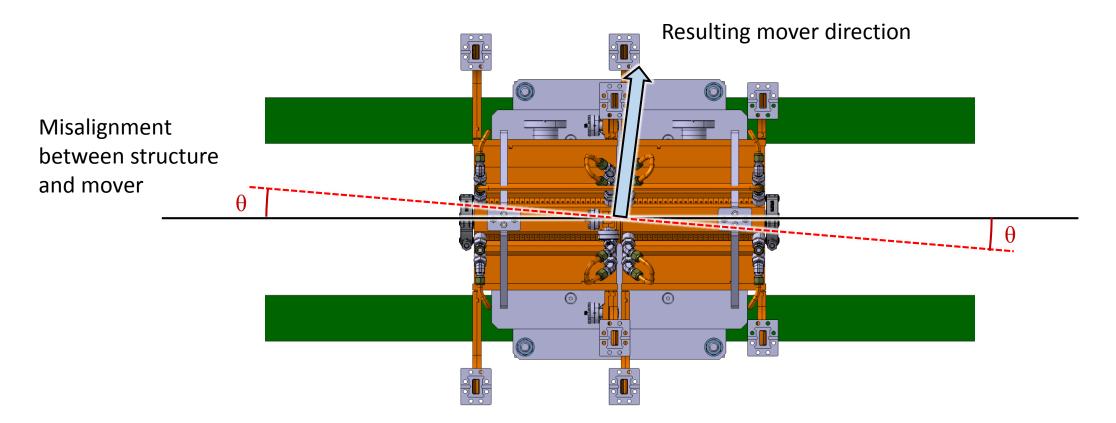
Fixing

Utilising the same V mounts and clamps as the current TBM girder?

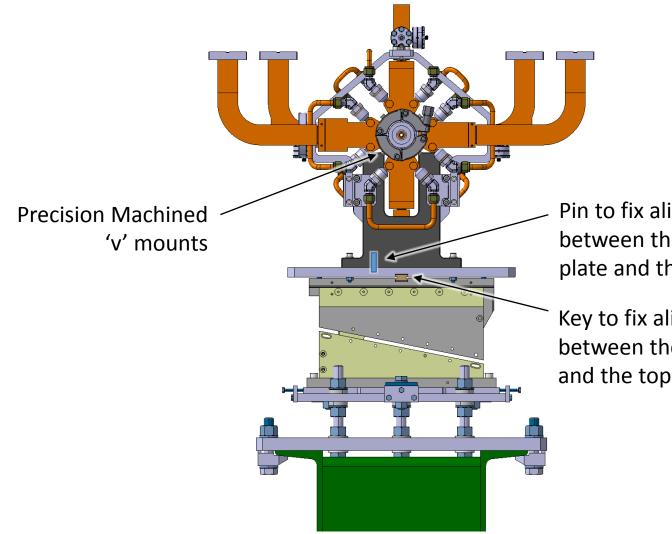


Alignment Error

What is an allowable alignment error between the structure and the mover?



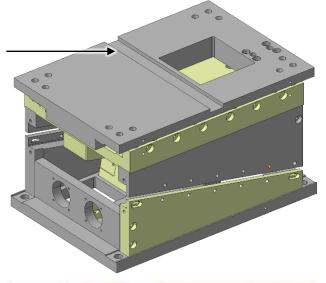
Alignment Features

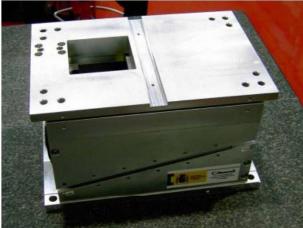


Does the mover have this alignment slot

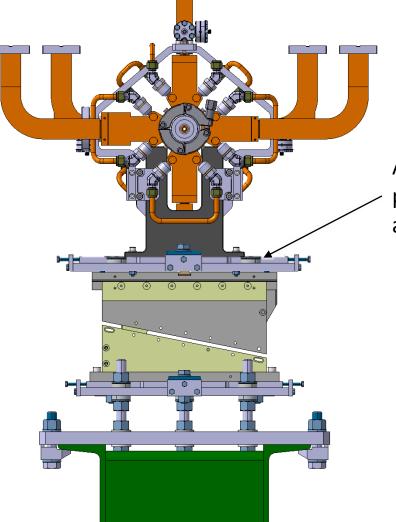
Pin to fix alignment between the top plate and the 'v's

Key to fix alignment between the mover and the top plate

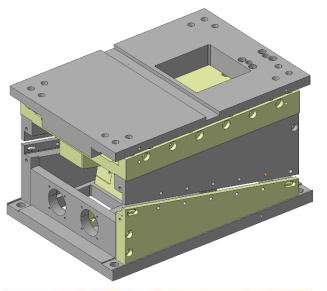


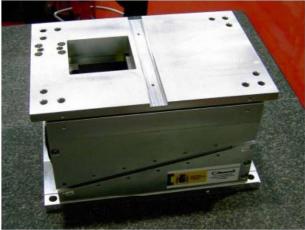


Alignment Adjustment



Alternative adjustment plate could provide the alignment requirements



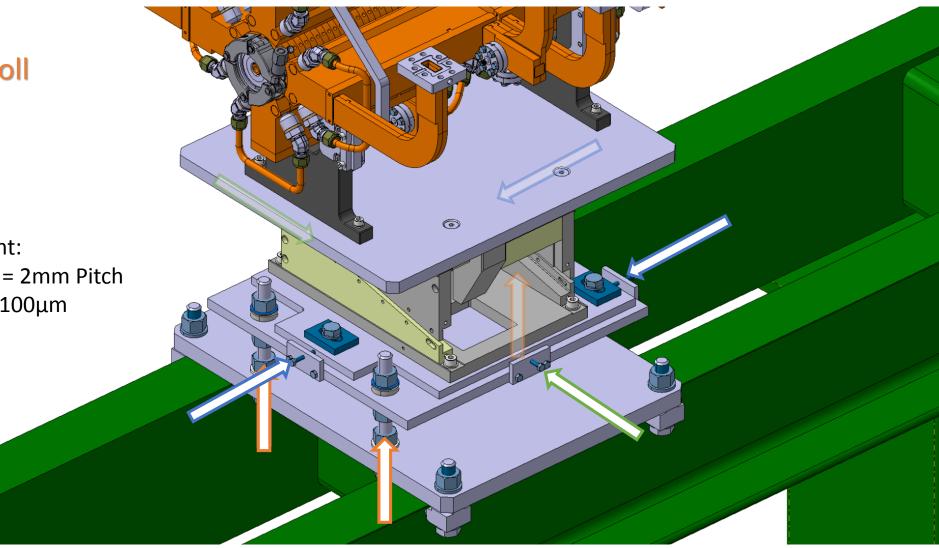


Coarse Adjustment

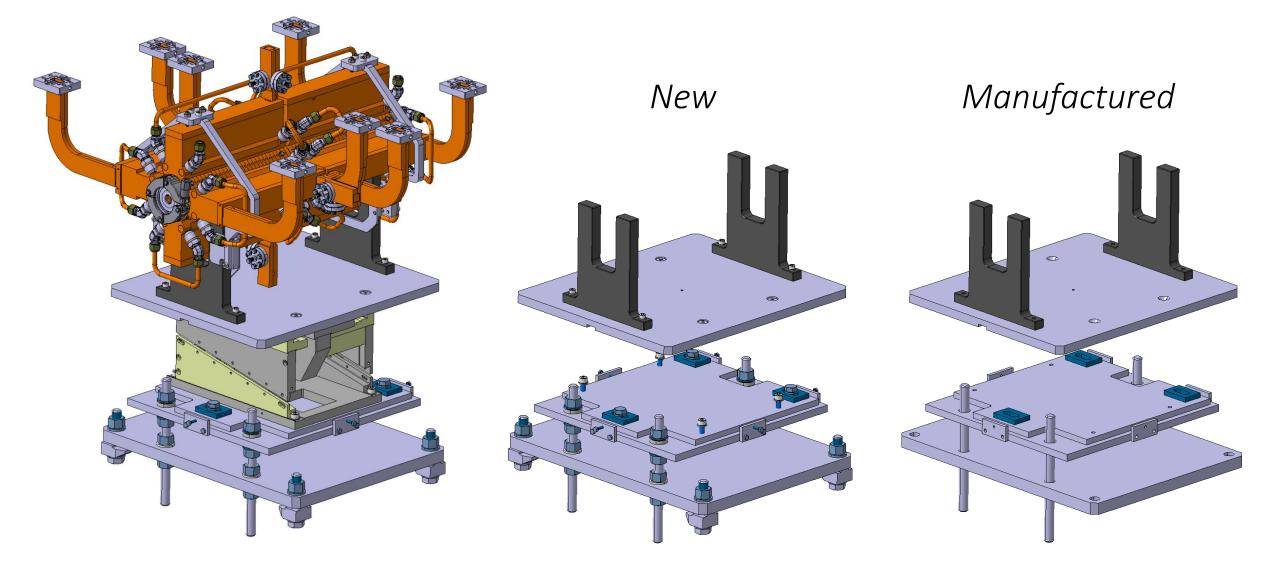
- Z, Pitch, Roll
- X, Yaw
- Y

Vertical Adjustment:

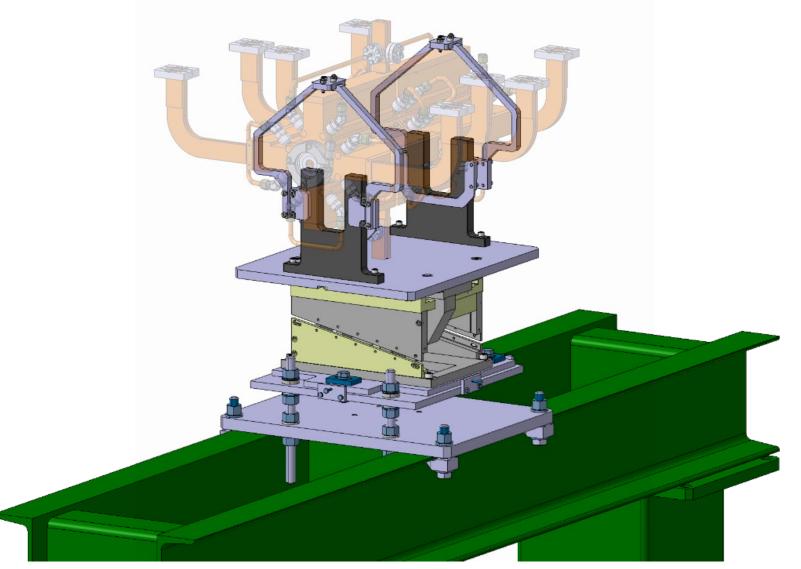
- M16 Thread = 2mm Pitch
- Resolution <100µm



Components

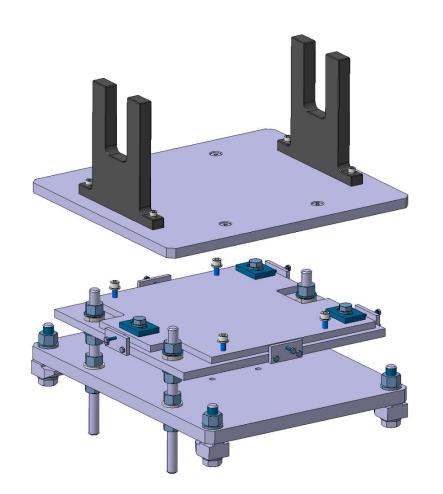


All Components



All Components **B** C -

New Components



Manufactured Components

