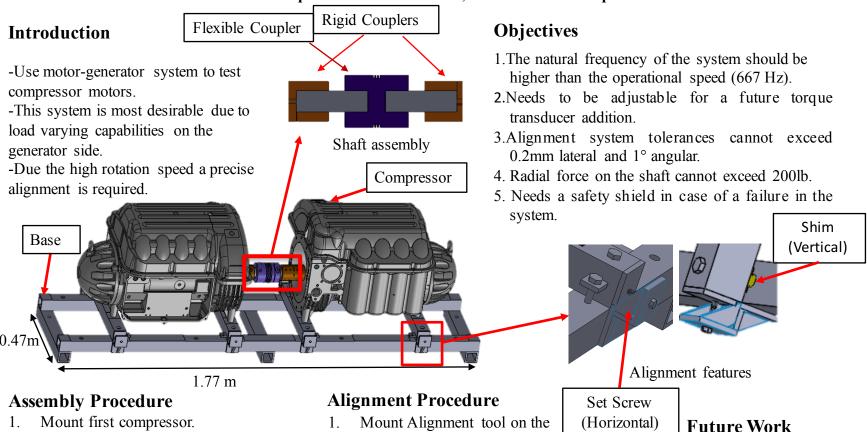
High Speed Motor Test Rig



Team 4: Durval Margues, Francisco Barreto, Leonardo Branco, Matthew Kecthum, Thyeasha Joseph

Aim: Develop a test rig to test to qualify all TT-Series compressor electric motors, measuring the efficiency, and torque with a maximum 40,000 RPM rotation speed.



- Mount first compressor.
- Rigid couplers, steel dowels, and flexible couplers are secured together to first compressor.
- Mount second compressor.
- Align using TKSA 31 laser alignment tool.
- Mount Alignment tool on the rigid couplers.
- Shafts are rotated together.
- 3. Live readings are displayed, showing where and how much the compressor should be moved

- -Assembling the system.
- -Validating alignment system.