



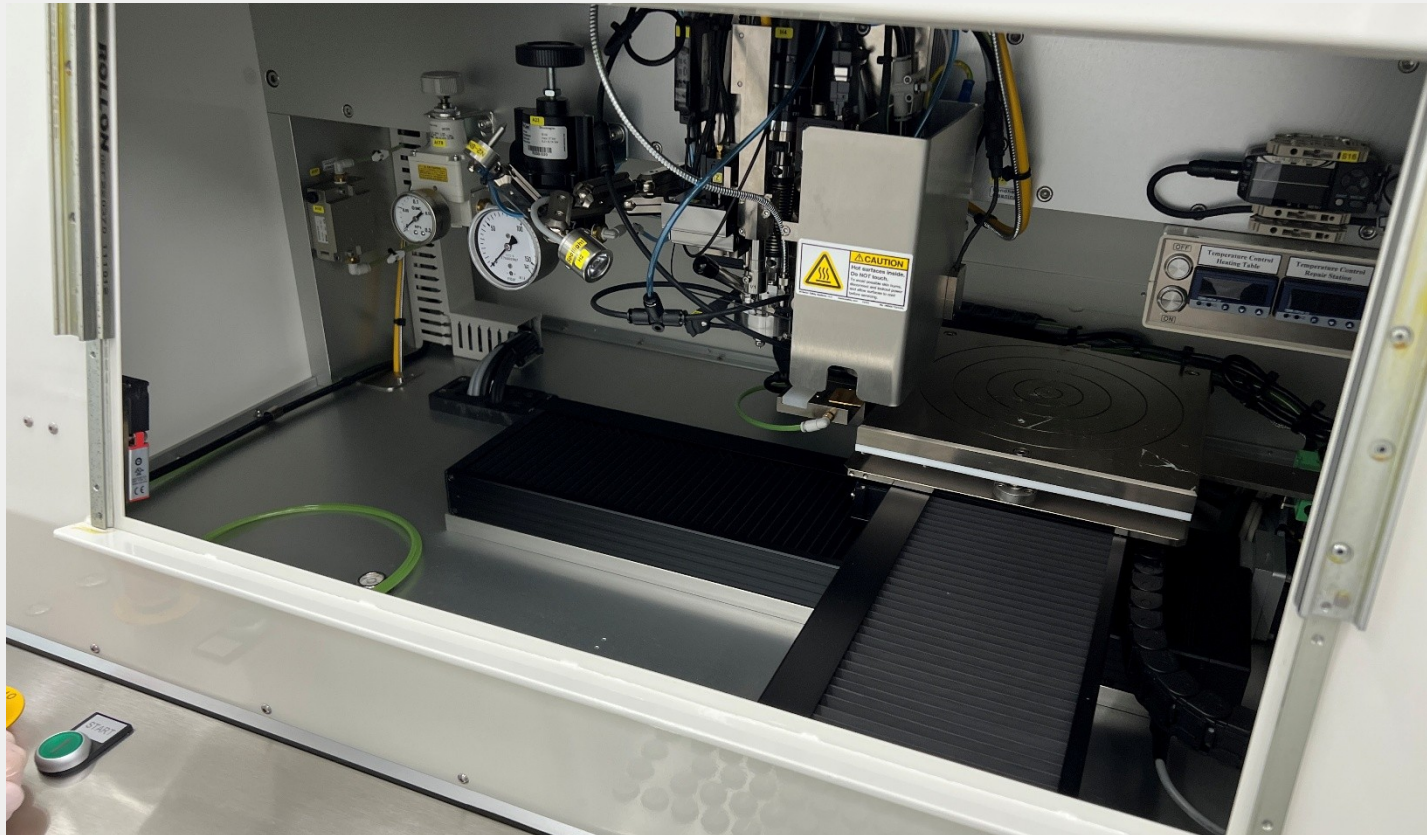
CURRENT PROGRESS OF COMMISSIONING THE SOLDER BALL BUMPER

CURRENT PROGRESS



- Moved the machine to be directly under the gas supply and beside the electrical supply
- Connected the machine to gas supply and electrical power
- Startet the control program and homed all axes
- y-axis was stuck in end position and needed to be freed manually
- Cleaned capillary tube
- Calibrated bond height

STILL TO DO



- Calibrate main laser. Laser sensor always reads 0 at the moment.
- Check capillary diameter and fill balls
- Place test balls
- Calibrate camera offset
- Write test program and place balls on test chip