

## Steps in Acquiring a Spectrum in Automation

- Sample Load
- Automatic Tune and Match (ATM)

Stepper Motors at the Bottom of the Probe Adjust 8 Different Tuning and Matching Rods Using a Wobb Display. BBO (Broadband Observe) Probe Can Tune to Any Nucleus from 40 MHz to 400 MHz.

- Sample Rotation (Spin)
- Automatic Lock (Using Solvent You Entered)
- TopShim (Automatic Gradient Shimming)

Gradient Shimming is an Imaging (MRI) Technique. TopShim Operates Until It Can No Longer Improve the Linewidth and Line Shape

- ProSol: Look Up Calibrations for Current Probe
- Receiver Gain Adjust (rga)
- Acquisition of Data
- Process Data and Post Zipfile on Web
- Return Sample to Holder