

In the running program the following takes place:

- Alignment of the AS-GF with the furnace
- Adjustment of the dipping depth

Carry out the following work steps successively:

- Withdraw the dosing tube approx. 8 mm from the cannula of the autosampler and fix it with a clamp nut.
- Open the ZEEman furnace and insert the adjusting aid into the furnace.
- Lower the autosampler via the software to the adjusting aid.
- Align the X direction with the buttons [LEFT]/[RIGHT] to the crosshair.
- Adjust the Y direction using the adjusting screw 1.
- If required, readjust the X direction using the adjusting screws 2 and 3.
- Adjust the Z direction software-controlled:
Lower the autosampler arm up to the upper edge of the adjusting aid until the dosing tube just dips into the dosing opening.

Adjustments for X and Z direction are saved in the software.

- Secure the positions of the adjusting screws with lock nuts.
- Remove the adjusting aid and insert the dosing funnel.

Adjust the injection depth in the graphite tube:

- Lower the autosampler arm via the software. The dosing tube dips into the graphite tube.
- Loosen the clamp nut, place the dosing tube onto the tube bottom, check position with furnace camera if necessary, and fasten with clamp nut.
- Move the autosampler arm software-controlled to the optimum dispensing depth (approx. - 0.8 mm for 20 µL sample volume).

For further configurations of the autosampler see the instruction manual "ASpect LS" / section "Technical autosampler parameters".

4.9.3 Populating the sample tray of the AS-GF

1. Populate the positions of the AS-GF as follows:

Positions 1-100	1.5 mL sample cups
Positions 101 – 108	5 mL special cups

2. Place the sample cover with a tight fit.
3. Next step: fill the wash bottle. If necessary, empty the waste bottle and dispose of the waste correctly. Measure.

The population of the sample tray must match the software configuration in the method or in the sample ID.