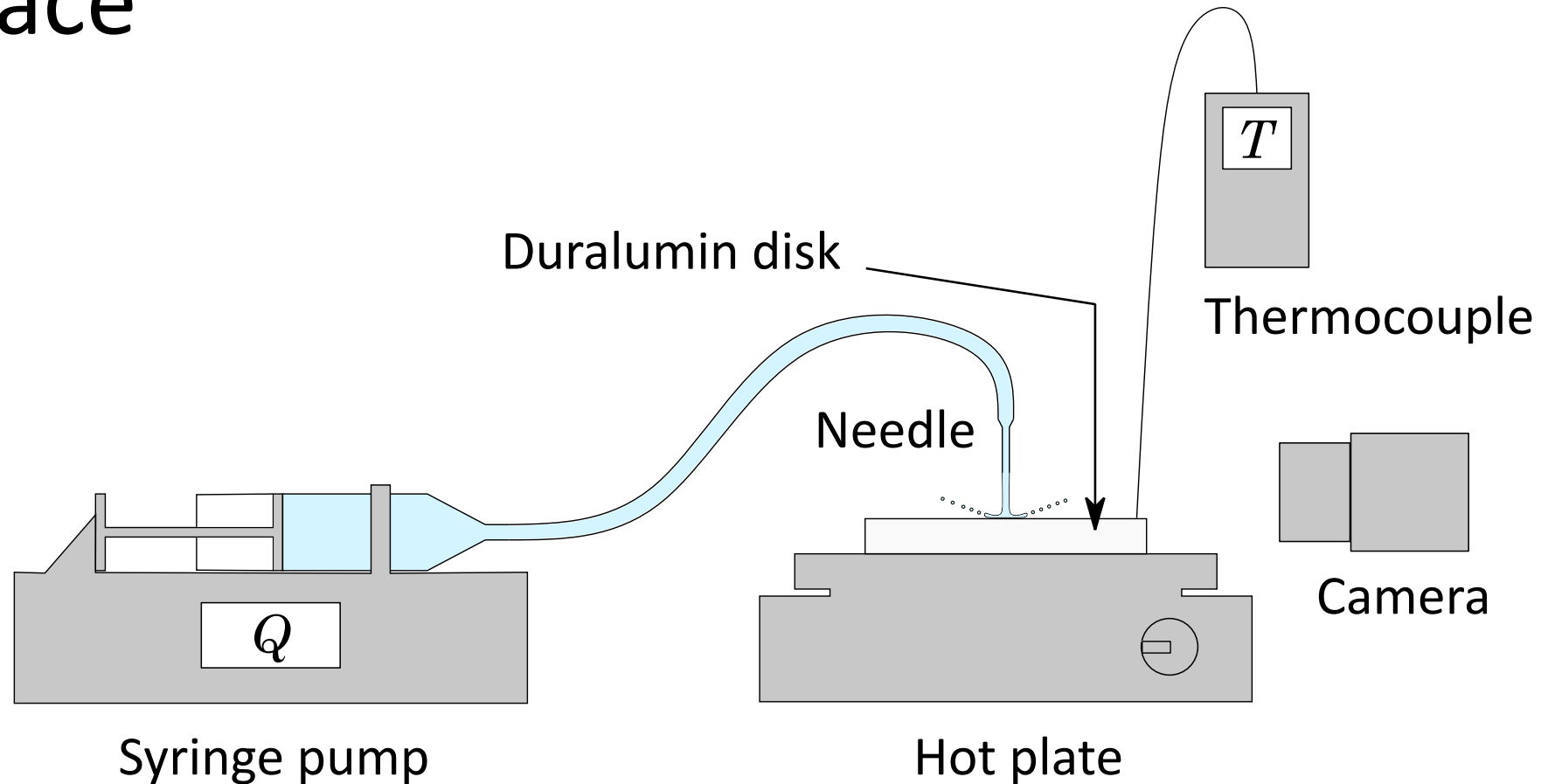
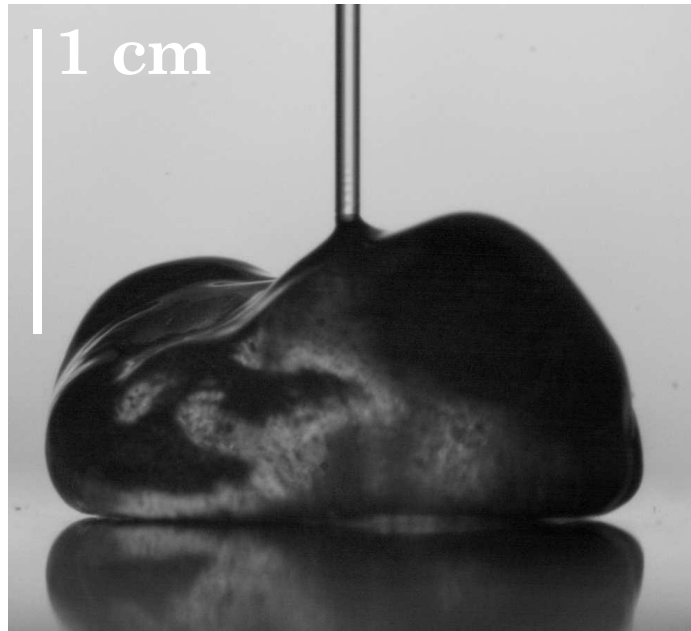


# Atomization of a water jet on a heated surface



# Two different regimes

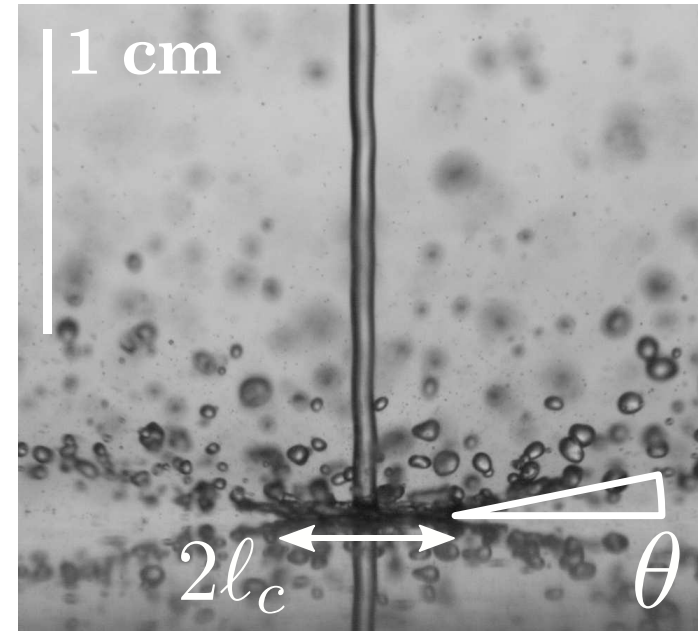


$$T = 300^\circ\text{C}$$
$$a = 195 \mu\text{m}$$

$$\text{We} = \frac{2\rho Q^2}{\pi^2 \gamma a^3}$$

$$\text{We} \simeq 24$$

Growing drop regime



$$\text{We} \simeq 98$$

Droplet ejection regime

