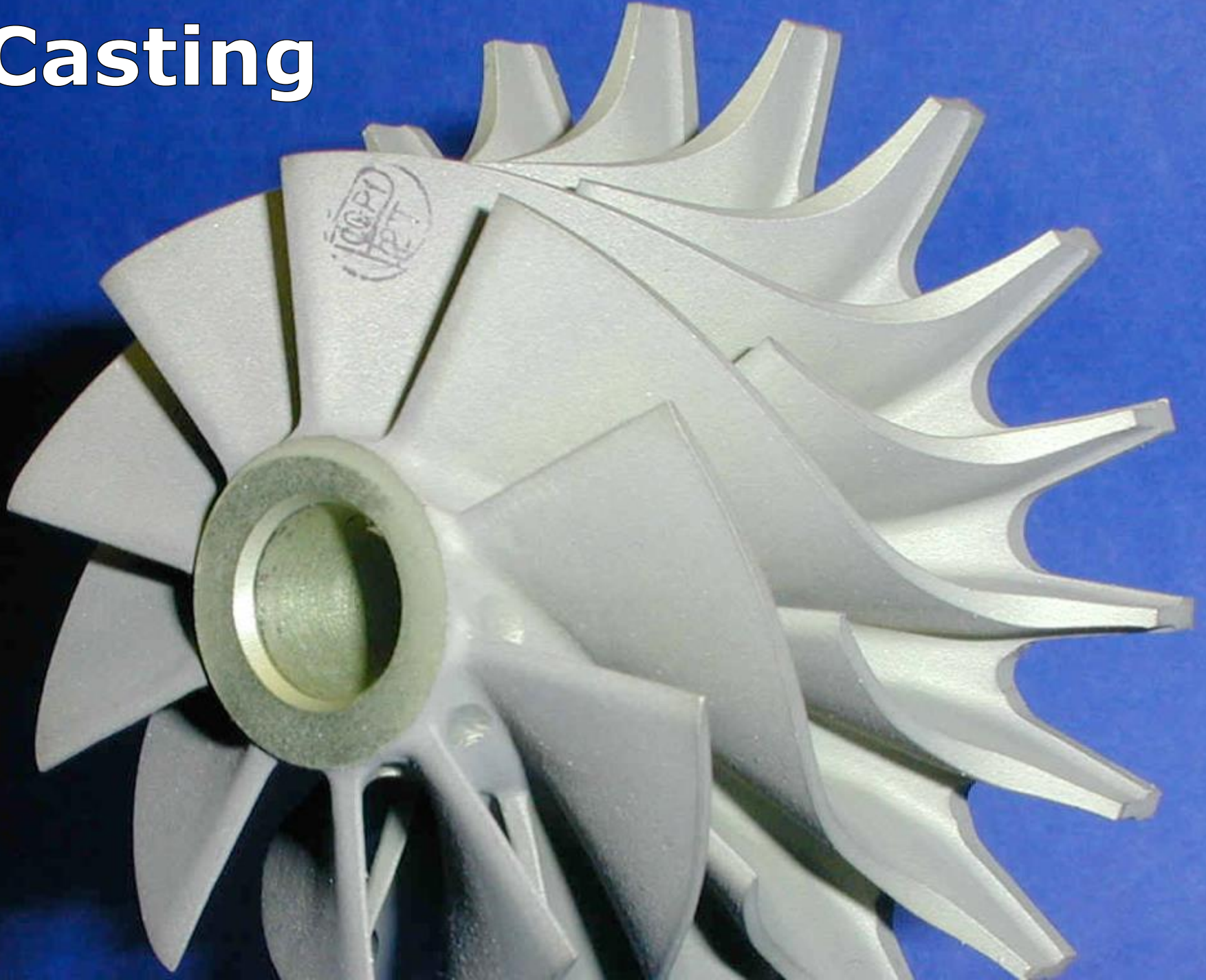
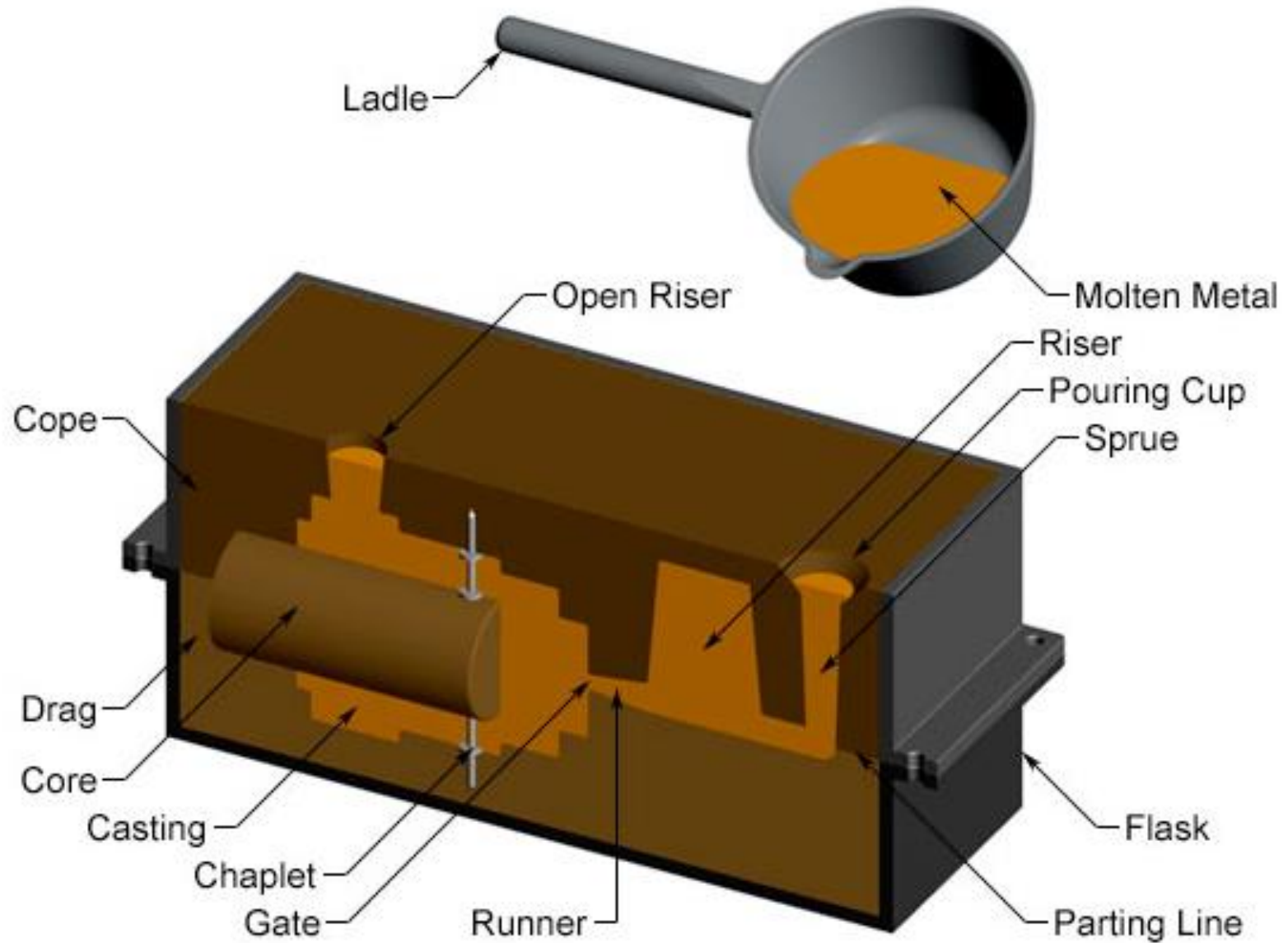


Casting



Sand Casting



Sand Casting

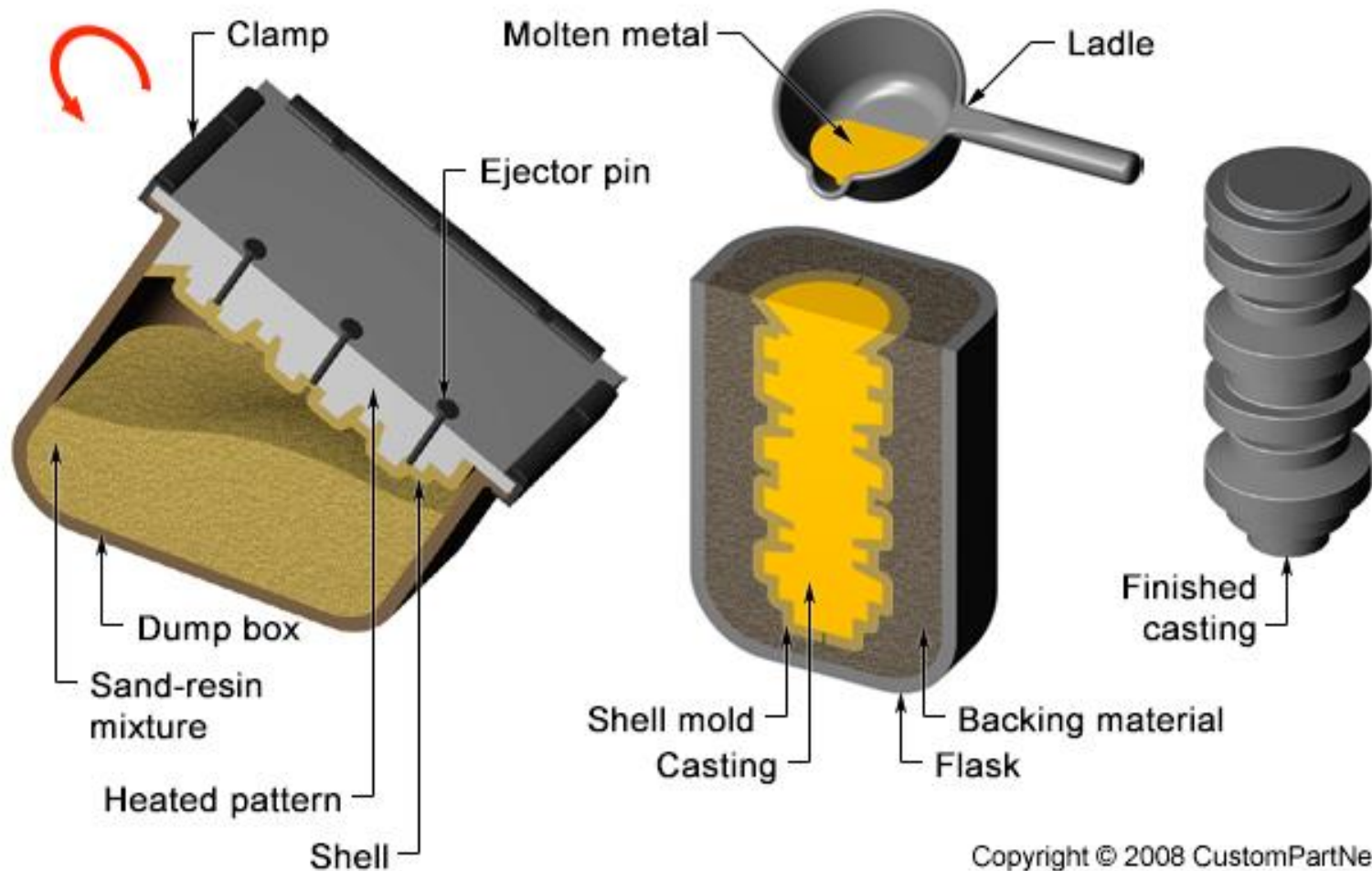


Shell Casting

Shell-Making
(Cross-section)

Shell Mold Casting
(Cross-section)

Casting



Investment (Lost-Wax) Casting



Keys to the City
Old City, Philadelphia, PA

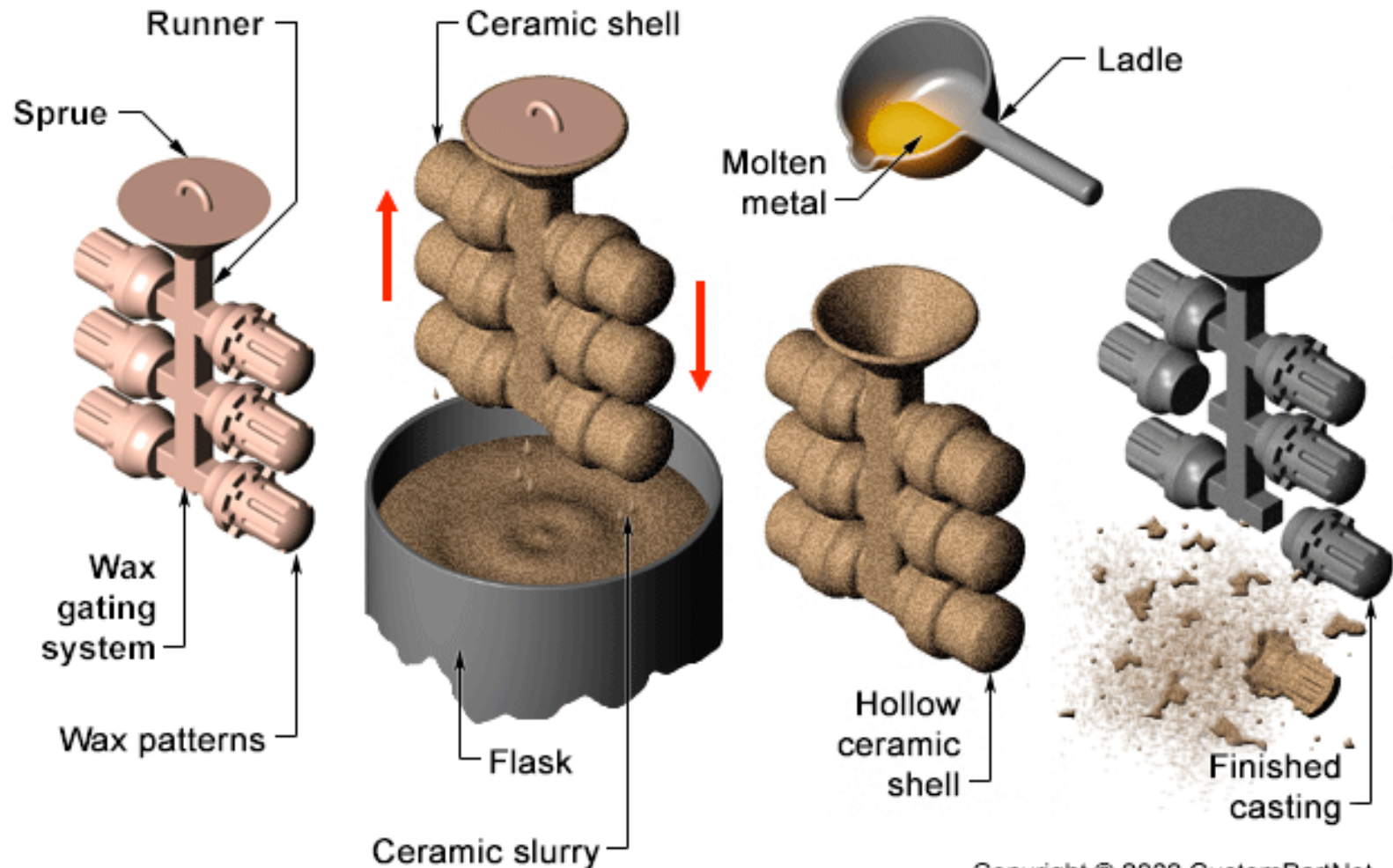
Investment (Lost-Wax) Casting

Pattern Tree

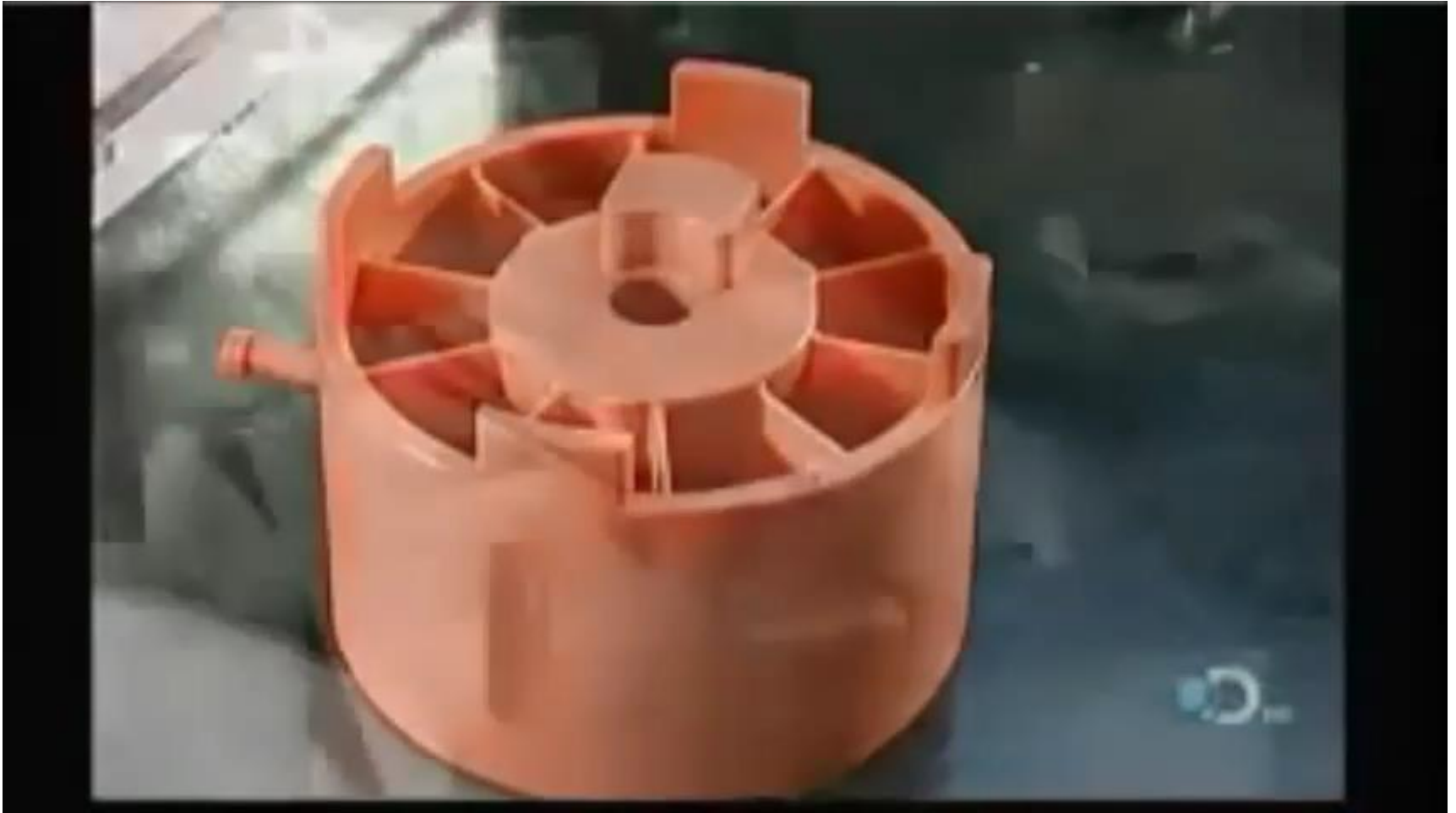
Shell-Making

Investment Casting

Casting



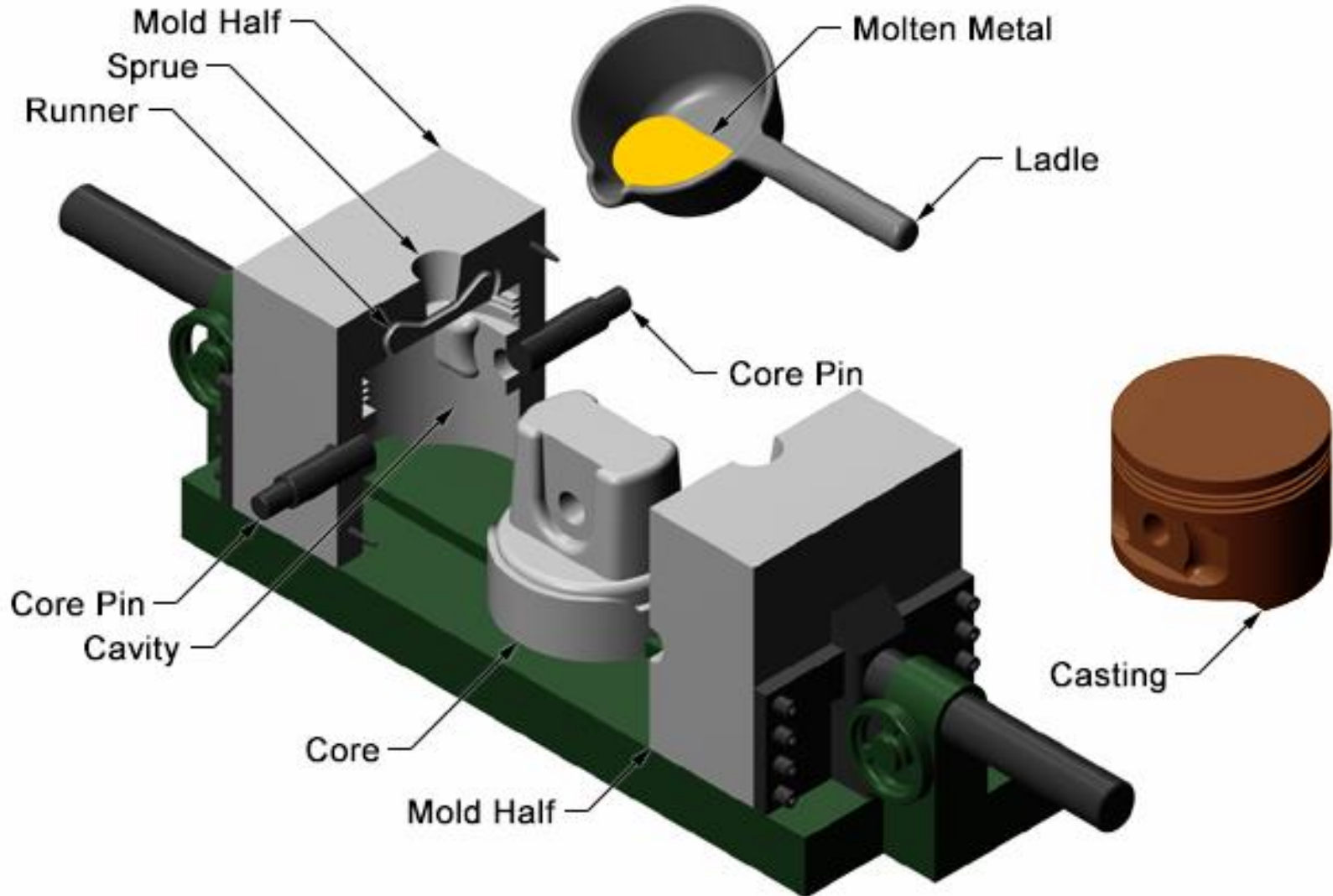
Investment (Lost-Wax) Casting



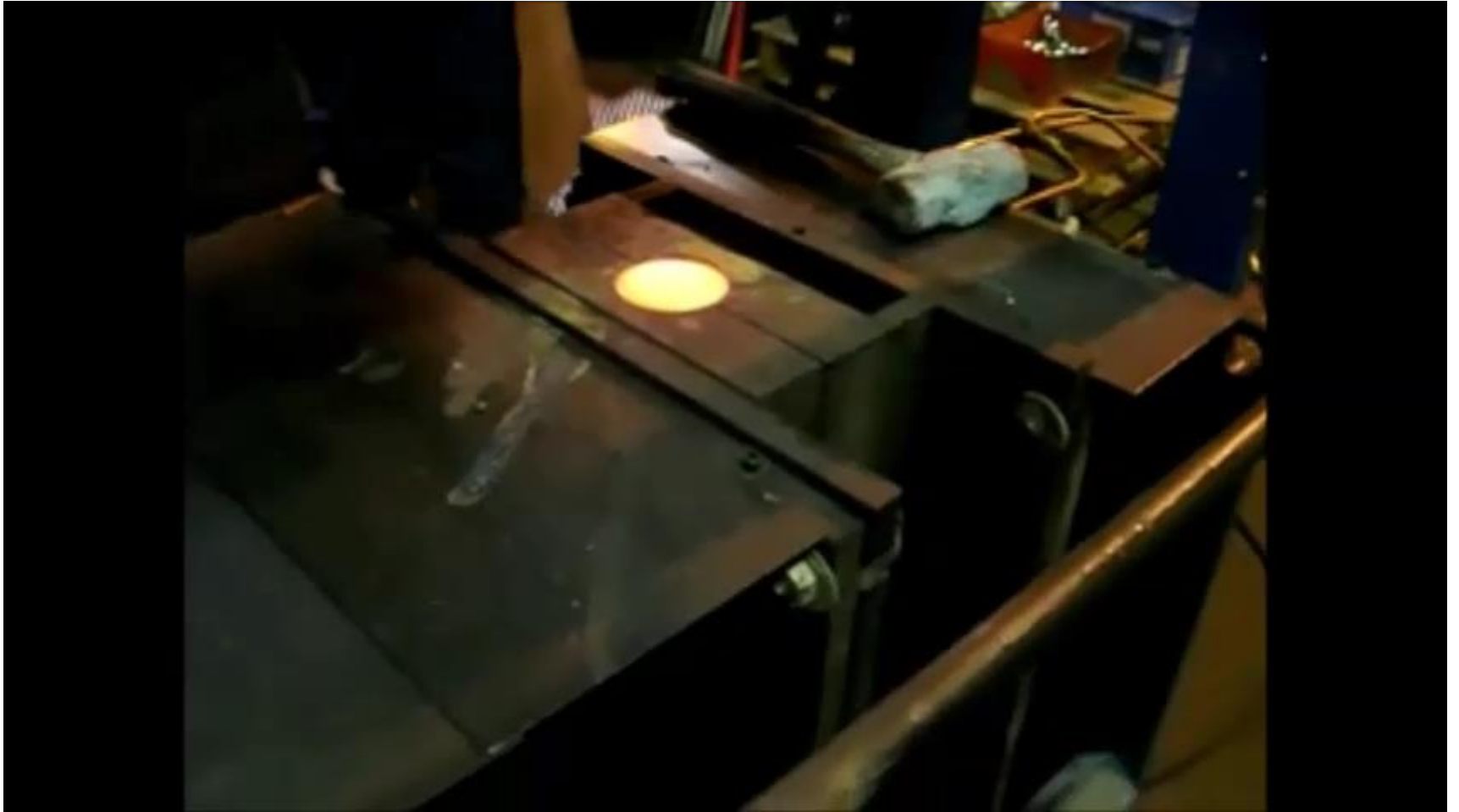
Lost Foam Casting



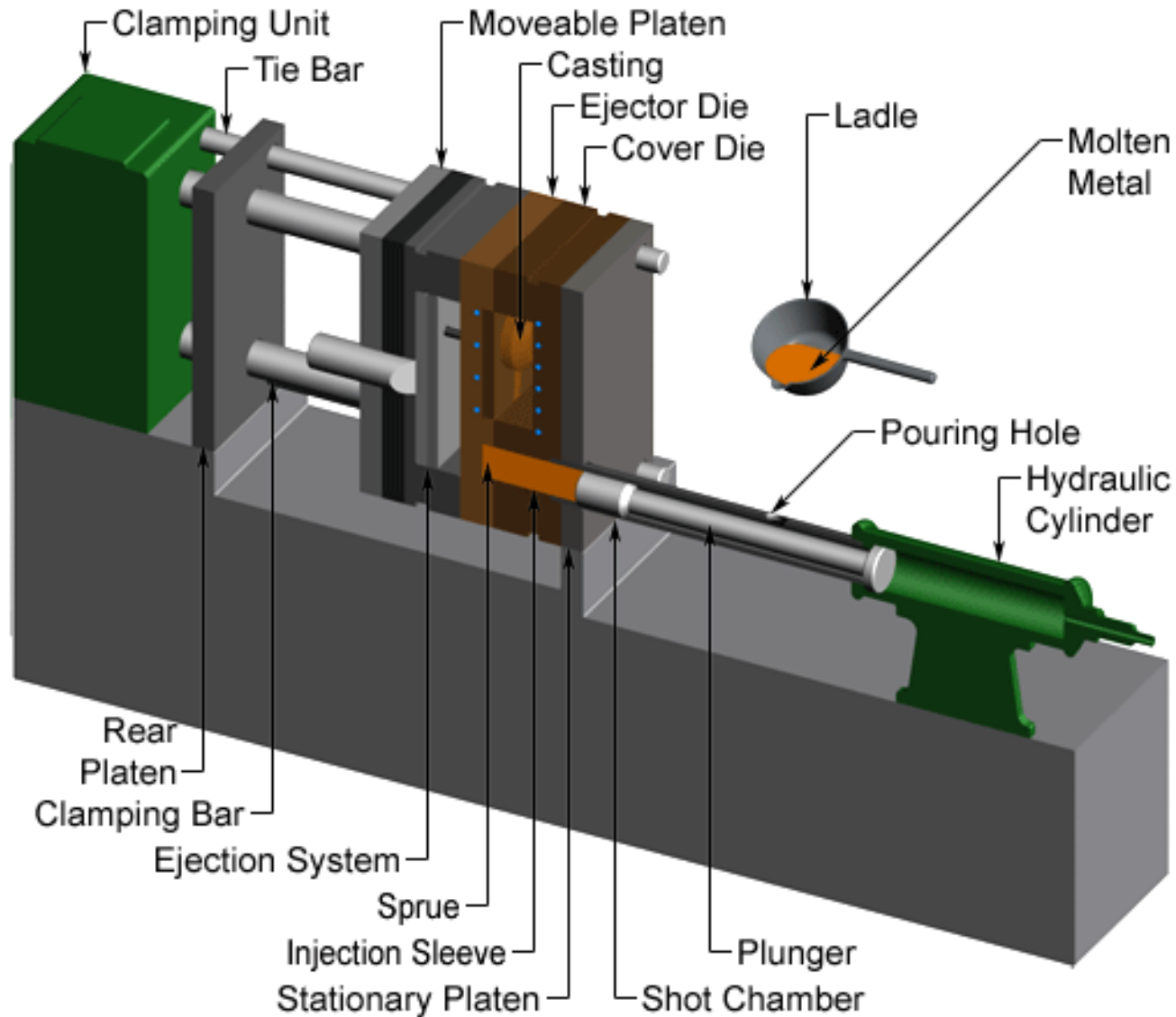
Permanent-Mold Casting



Permanent-Mold Casting

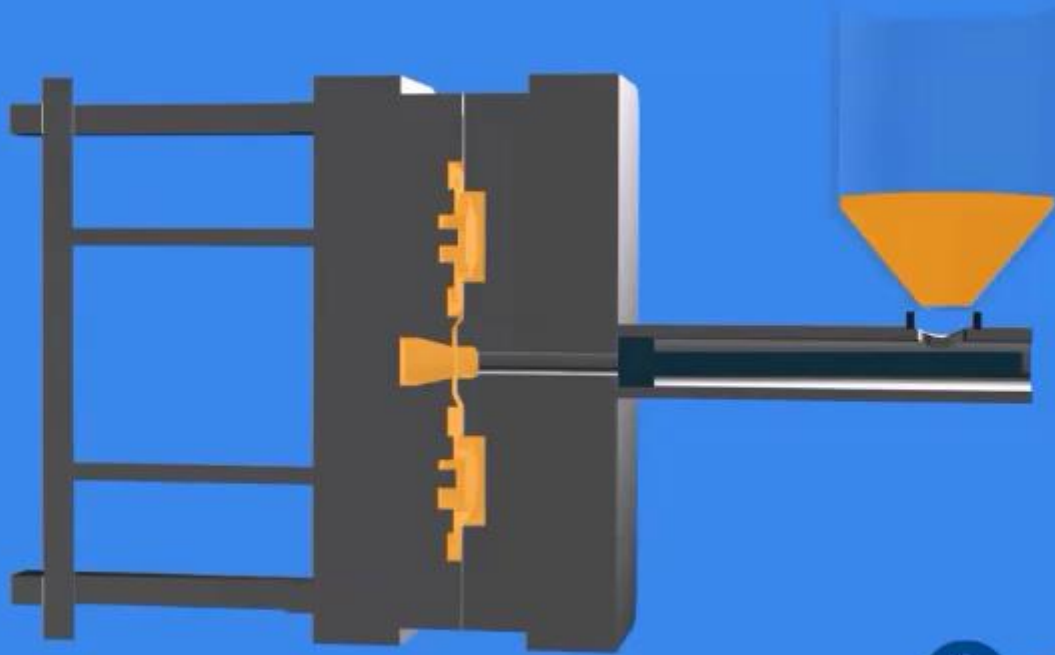


Die Casting



Die Casting

Material cools in mold



Spin Casting

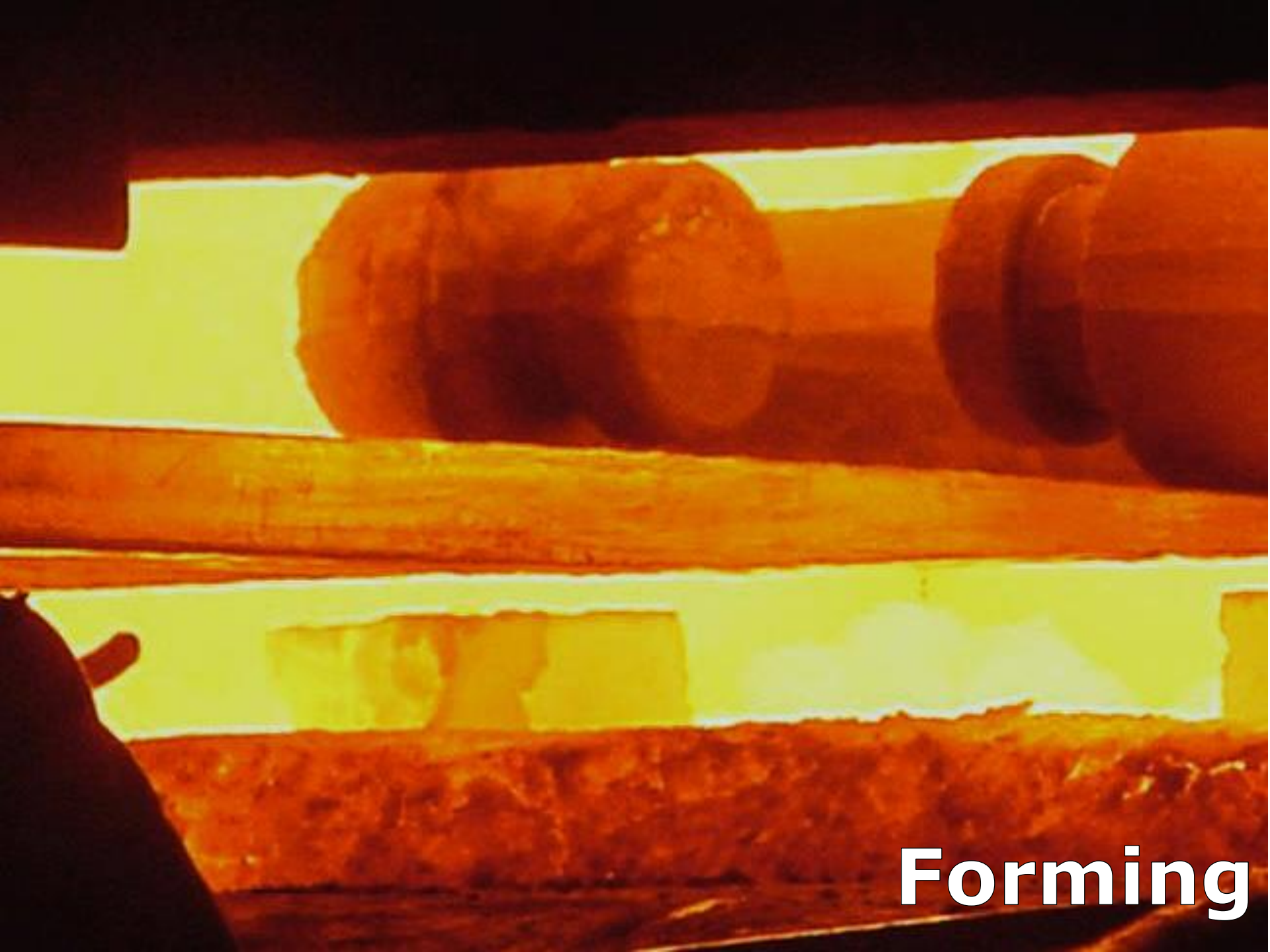


Continuous Casting



Continuous Casting





Forming

Powder Metallurgy



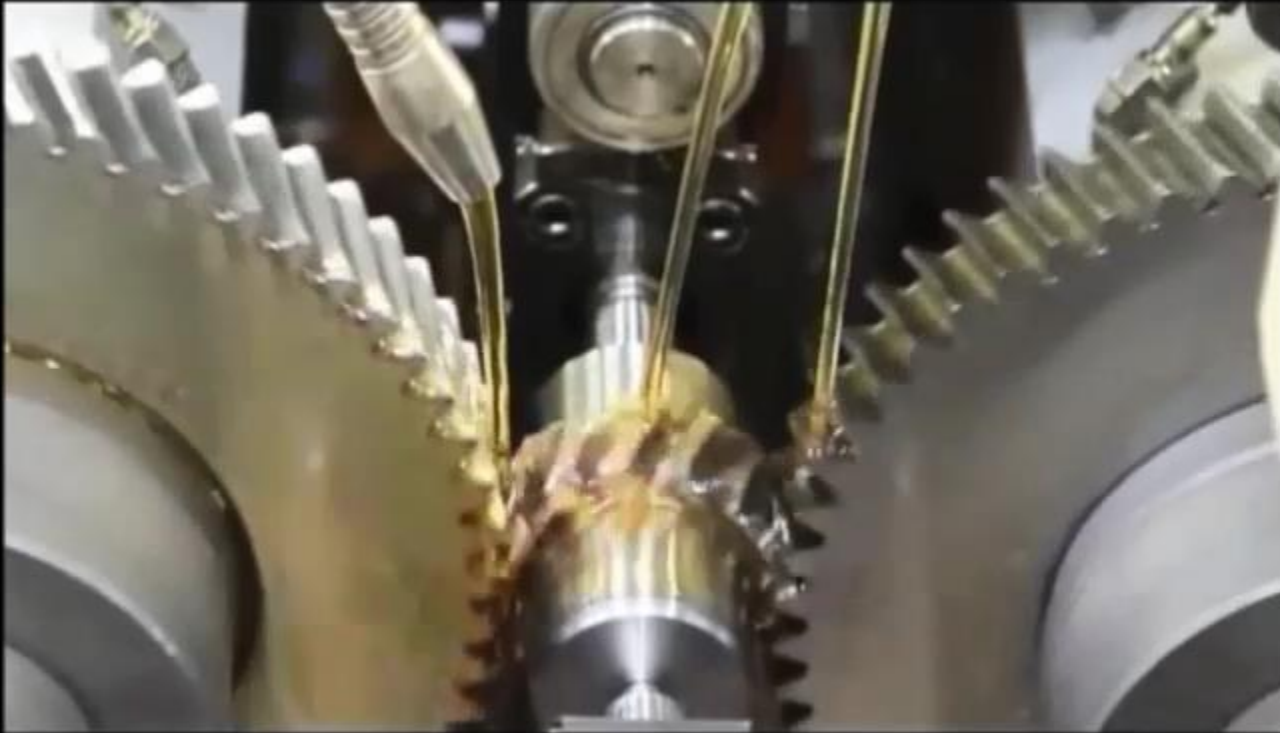
Rolling



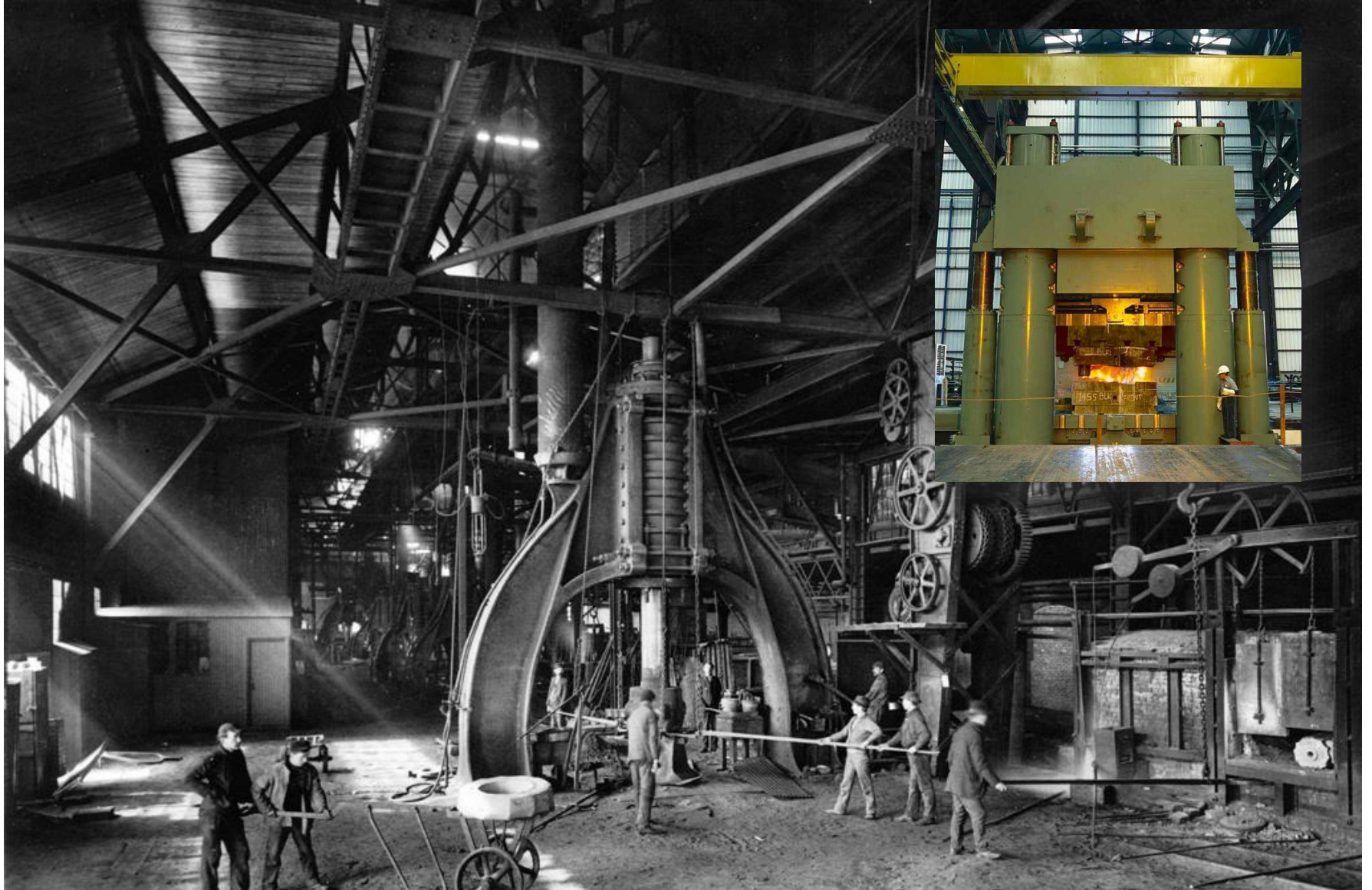
Rolling



Rolling



Forging



Forging



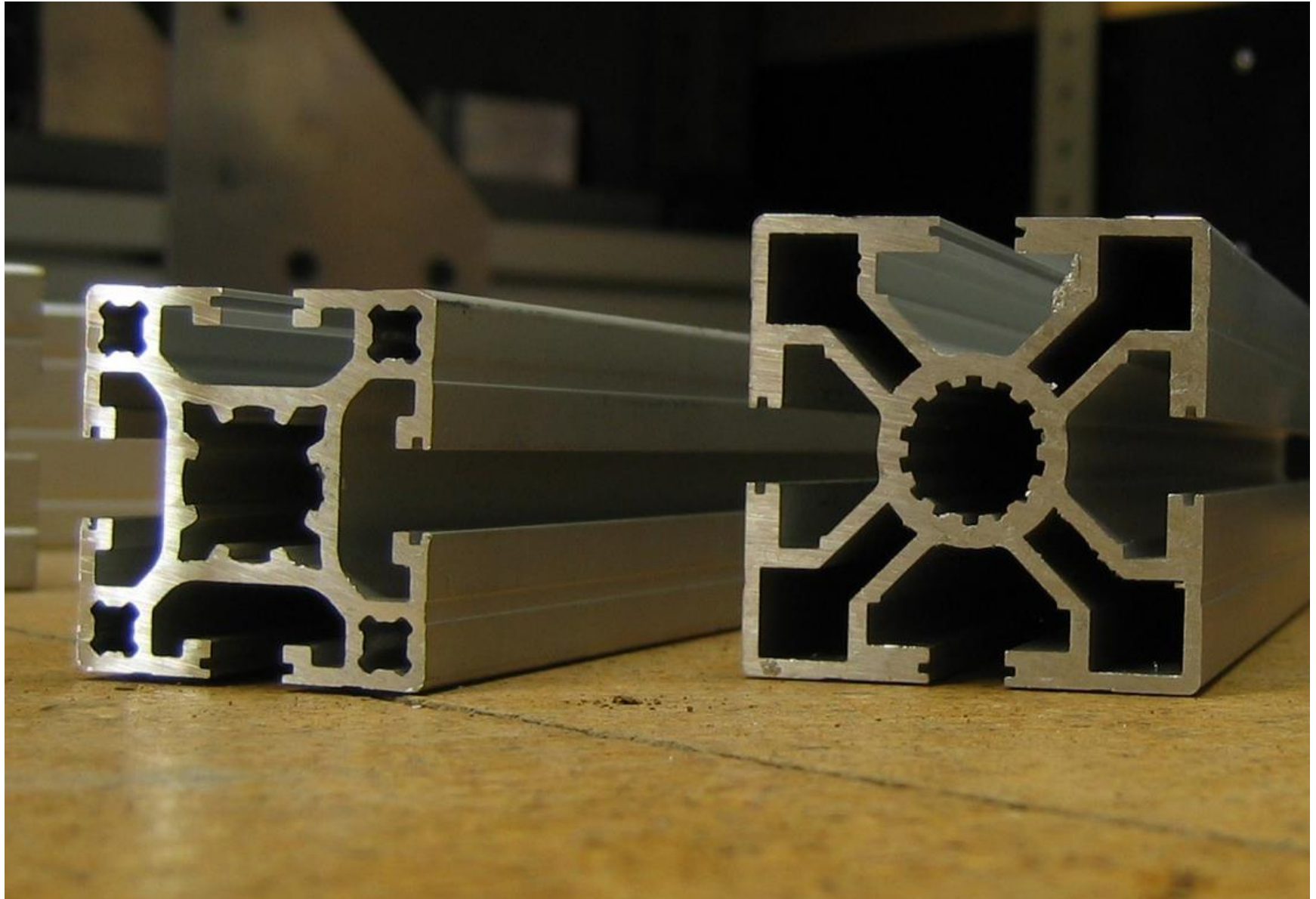
Forging



Smithing



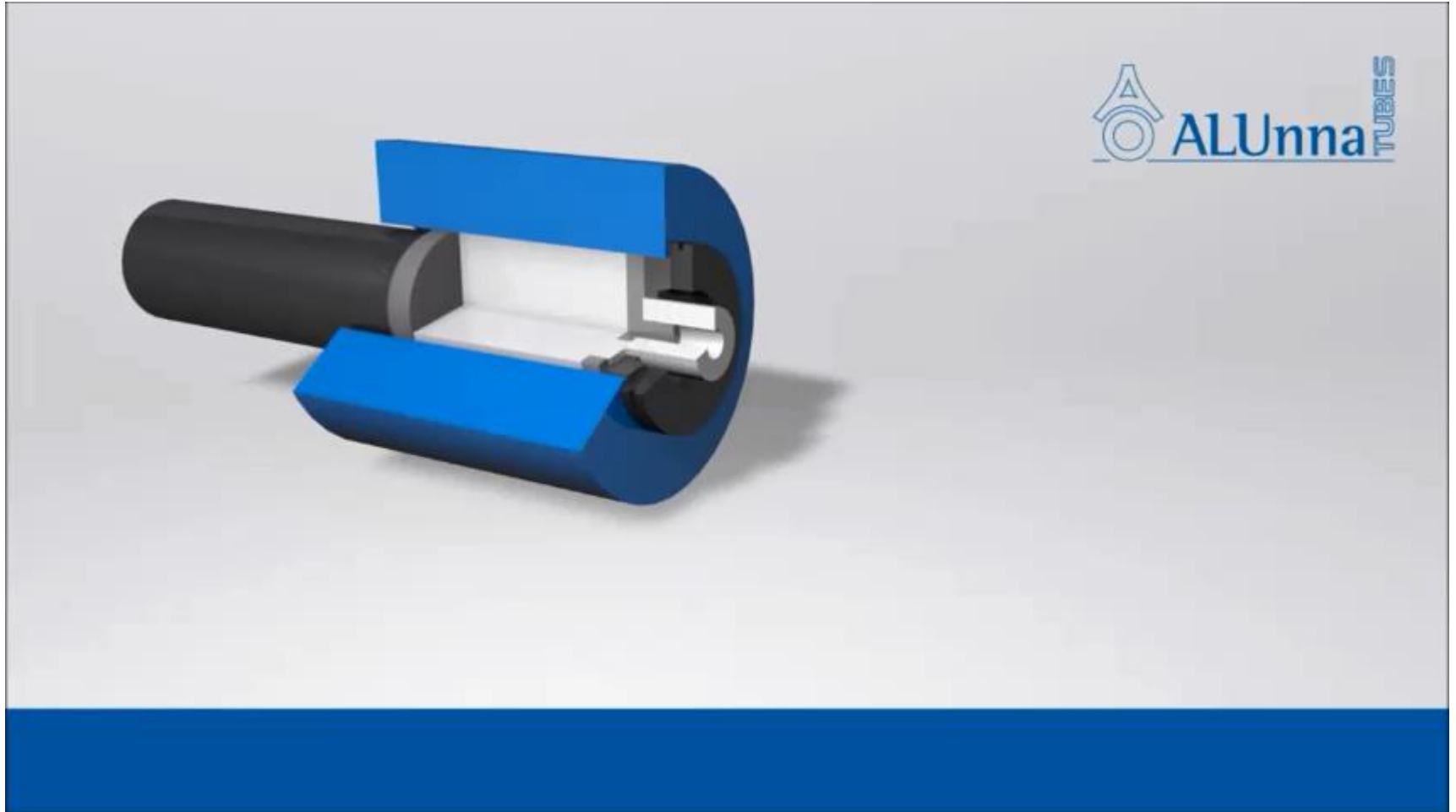
Extrusion



Extrusion



Extrusion



Pressing, Punching, and Stamping



Spinning



Spinning



Spinning



Shearing



Bending



Bending

