

UNIVERSAL FORGING PRESS

- OPEN DIE FORGING
Forging of bars and rods out of cast blocks
- CLOSED DIE FORGING
Verification of closed die forging technologies and prototyping



Open die forging

Closed die forging

Operation mode	Force [t]	Strokes/min	Stroke [mm]	Penetration [mm]
Finishing	300	50-100	20-50	2-10
Upsetting	1600	50-100	50-100	10-30

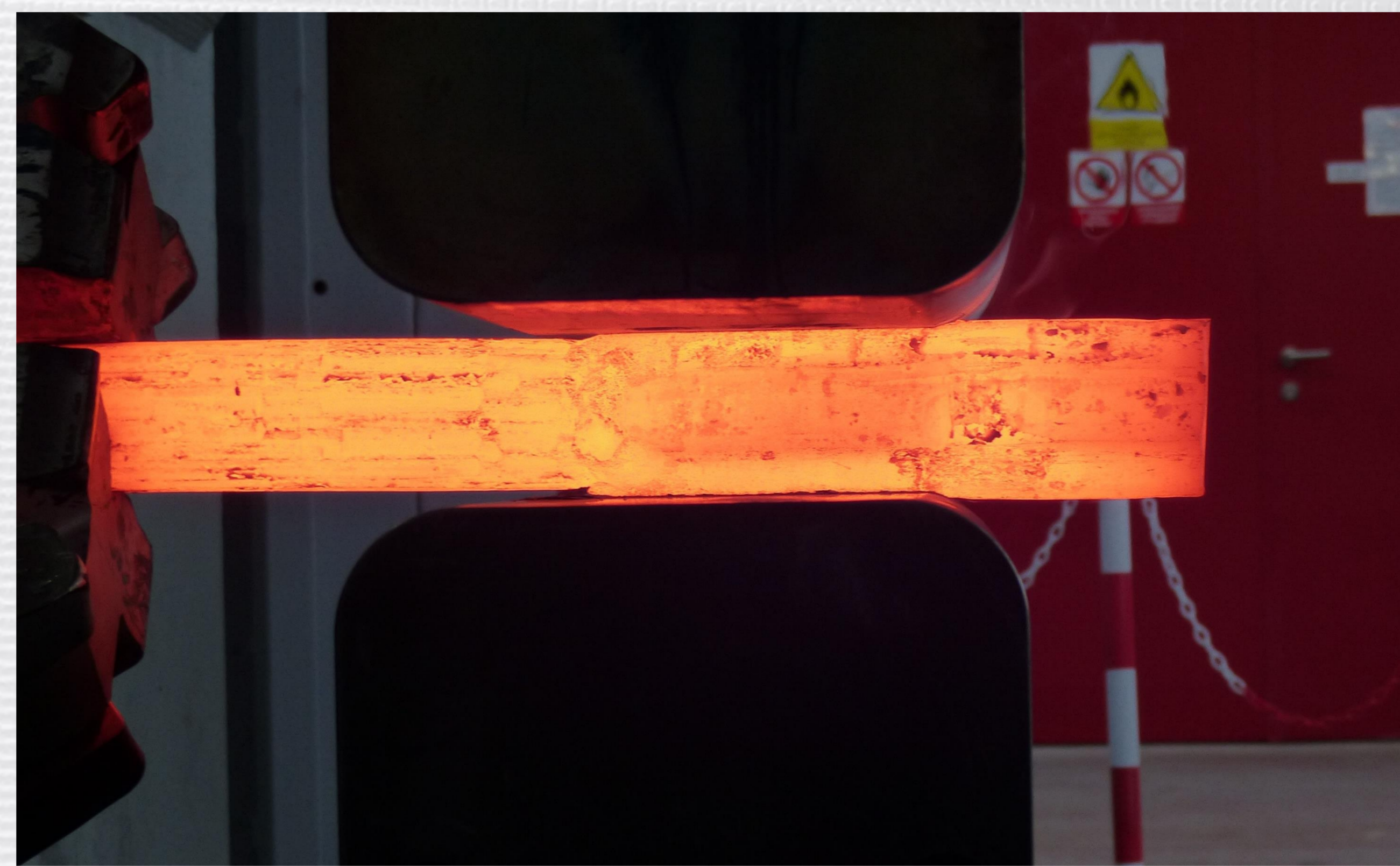
Force [t]	Velocity [mm/s]	Strokes/min
2500	150	4

Electric heating furnace

Forging manipulator



Basic parameters	
Heating chamber dimensions	400 x 400 x 1500 mm
Max. temperature	1200°C



Basic parameters	
Max. load	1000 kg
Diameters range of tongs	40 – 400 mm



Program based forging

Most important benefits

- Fast and precise computer based design of the entire open die forging procedure
- Process automation
- Reproducibility and high precision

Key software features

- Multiplatform (Windows / Linux)
- Teach-in function
- Database for central data storage
- User friendly environment

