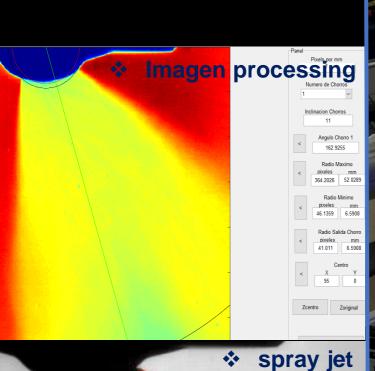
## DIRECT INJECTION TEST BENCH IN GDI ENGINES

## OBJECTIVES INTO NEAR AND FAR FIELD:

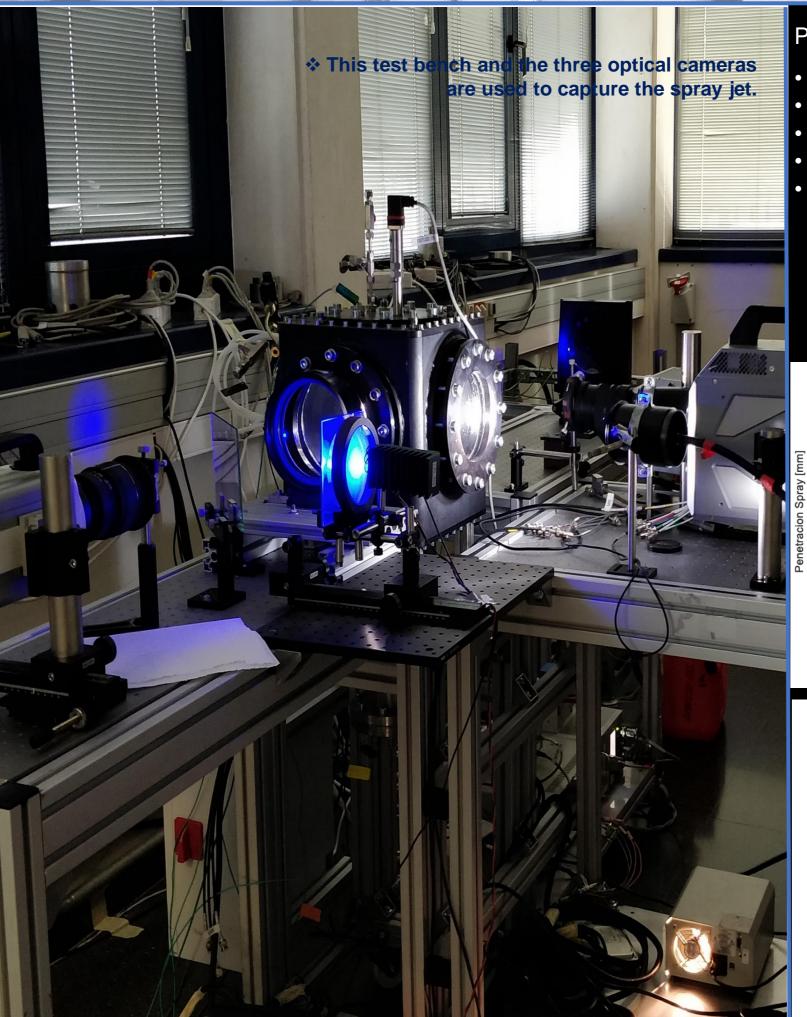
- OBSERVE LIQUID AND VAPOR SPRAY
- CONDITIONS FLASH BOILING
- CONDITIONS COLLAPSE

## **IMAGING TECHNIQUES**

- DBI TECHNIQUE
- SCHLIEREN TECHNIQUE
- MIE TECHNIQUE



morphology



## POSTPROCESSED ANALYSIS

- FURTHEST
- SPRAY ANGLE
- VELOCITY
- WIDTH
- OBSERVATION OF SPRAY COLLAPSE AND FLASH BOILING

