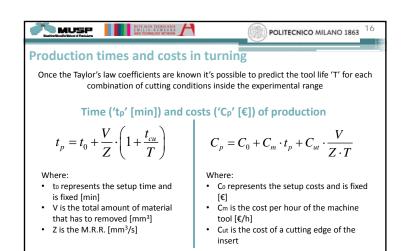




- ANOVA tests show that:
- The specific cutting force 'Kc' is influenced by the cooling method, with a 4% increase of Kc in cryo-machining
  - The increase can be attributed to a hardening effect on the workpiece
  - Care must be taken in design of the fluid feeding system
- The friction coefficient 'μ' is not influenced by the cryo cooling
  - · Liquid nitrogen has both cooling and lubricating effect



Adopting some hypothesis it's possible to define a realistic productive scenario to

compare costs of production both with cryogenic and traditional machining

