



Evaluation of the cast iron Drilling process

Motivation

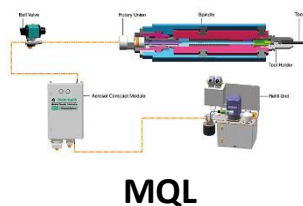
Cast iron presents difficulties on machining processing due to the phenomenon of abrasive tool wear. Therefore, explore a better use for this material with an efficient process is key.

Objective

To evaluate the drilling process, regarding machinability of the cast iron, using minimum quantities of lubricant (MQL) and flood rating.

Approach

Experiments were carried out comparing the performance of the drilling process by MQL an flood rating, evaluating geometric results, roughness, tool wear and chip morphology as machinability factors.



OR



Flood



Tool wear

