



JAHARAH A.GHANI

Professor (Ir. Dr.)

RESEARCH

Expert in the machining process; cutting tool performance, and material characterization; focusing on its tribological effect such as machining-induced grain refinement and performance of surface texturing such as dimple fabricated using a machining process. utilizing Design of Experiment (Taguchi Method) for optimization. She and team has developed a dynamometer for measuring cutting forces in machining process and this complete system is known as Neo-MoMac.

ACADEMIC QUALIFICATIONS

- **B.Eng.** (Manufacturing Systems Eng.) Leeds Polytechnic, UK (1991)
- **M.Sc.** (Manufacturing Systems Eng.) Warwick University, UK (1992)
- **Ph.D.** (Machining) University of Malaya, Malaysia (2005)

EXPERTISE

Machining Process
 Machining-induced grain refinement
 Surface texturing
 Monitoring of machining performance
 Design of Experiment (Taguchi Method)

RESEARCH GROUP

- Advanced Manufacturing Research Group (AMReG)

For list of publications and current research grants, please click [UKM Sarjana](#).

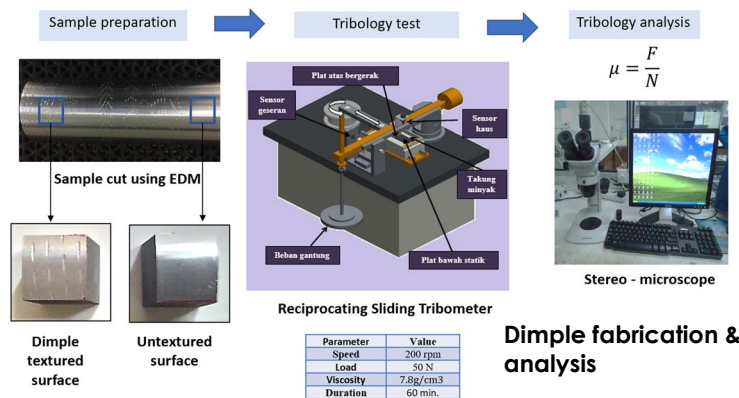
[UKM Sarjana](#)

CONTACT

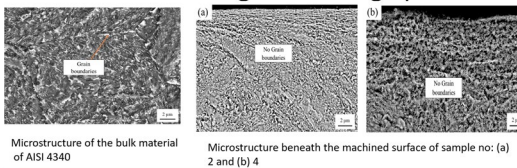
PHONE:
 +603-8921 6505

EMAIL:
jaharahaghani@ukm.edu.my

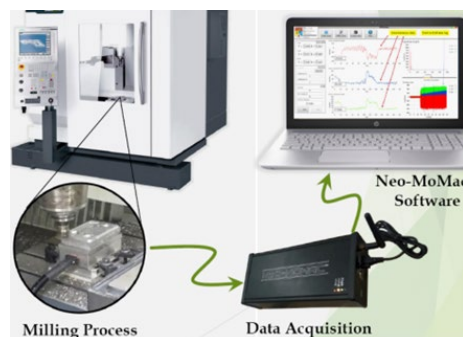
RESEARCH AT A GLANCE



Microstructure changes in milling operation



Findings:
 > FESEM images of the machined surface revealed the apparent plastic deformation beneath the surface.



Neo-MoMac



Turning Dynamometer



Milling Dynamometer