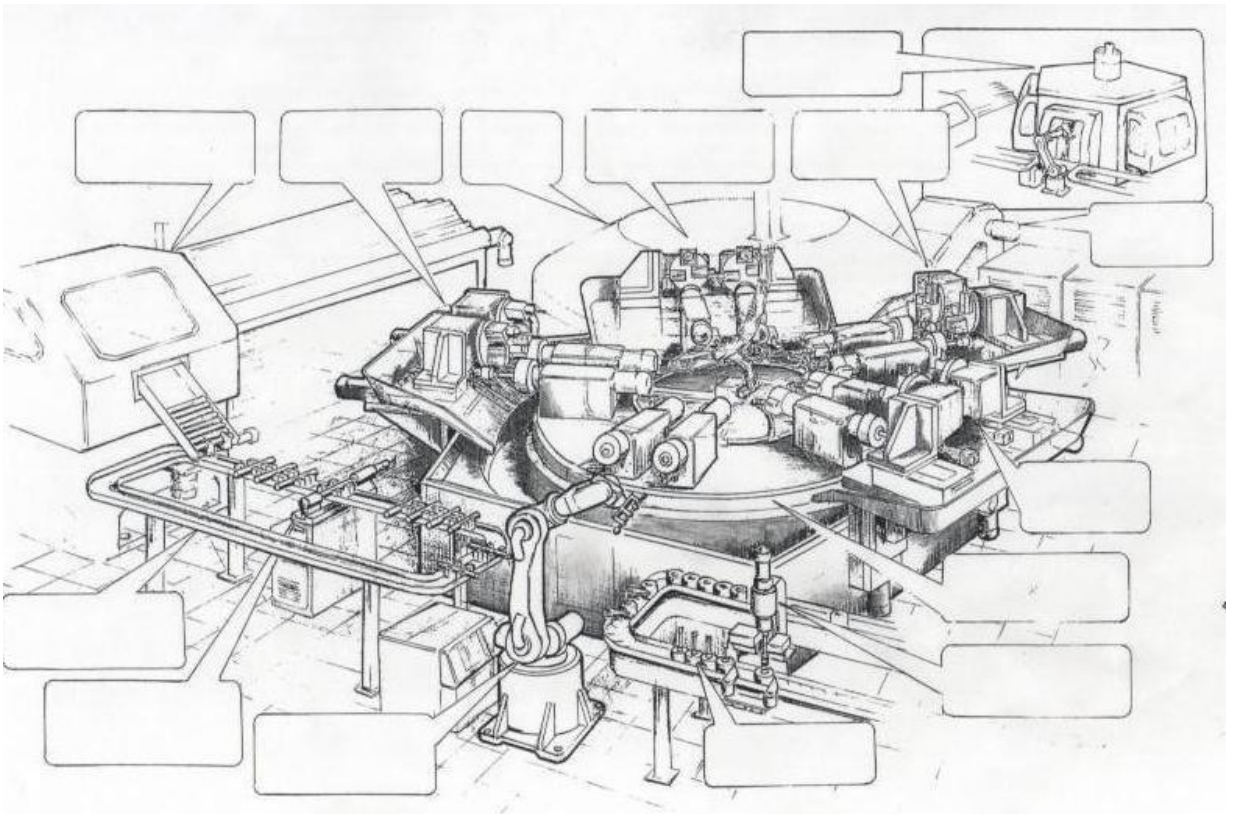


Alternator Shaft Machining Centre



JBMS was engaged by James N. Kirby Engineering to develop a concept and layout for a machining centre to produce alternator shafts at the rate of 2 every 13 seconds.

This was one of the many automated machining centres produced by Kirby Engineering for the European motor industry.

John Ballantyne served a toolmaking apprenticeship with the Kirby Group and became a machine design specialist serving in three of the group's five manufacturing divisions