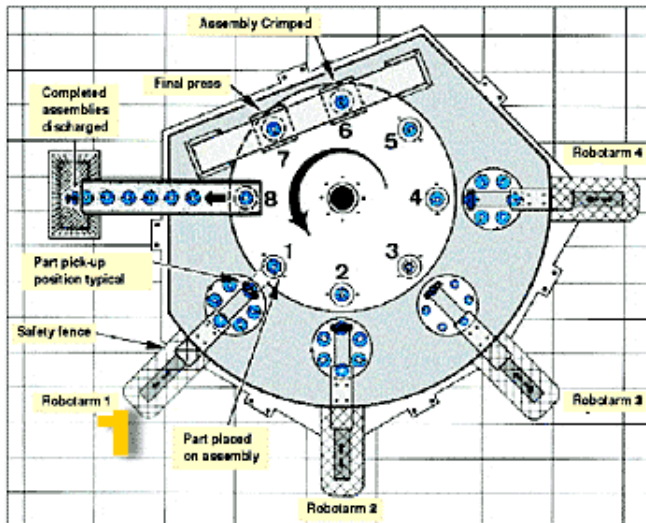


Multiple Stations



On Your Mark, Get Set, Go

Robot Team speeds automated assembly machine cycle An intriguing combination of robotics technology teamed with an automated 8-station assembly machine which is fed parts from four satellite work stations is achieving excellent productivity for a major automotive supplier.

Operationally, each of four Sterling - built robotarms mounted on the machine's table work in sequence to transfer the parts from the supply magazines and place them into assembly fixtures. At stations 1,2,3, and 4 each of the four parts is loaded by the robotarms. The loose assemblies then proceed through idle station 5 and onto station 6, a part crimping station. At station 7 the crimped parts are then pressed into a compact assembly by the force of a 40-ton hydraulic press mounted on the machine. The now-completed assemblies then proceed to station 8 where they are unloaded. Production rate is 1173 assemblies/hr.