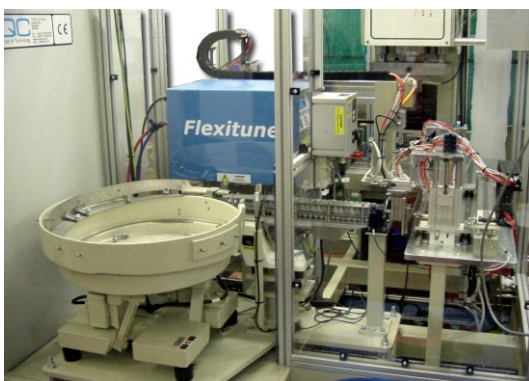


## Bearing Automatic Heat, Press & Assembly System

*This fully automatic system receives bulk product and assembles the 2 parts of a bearing assembly by heating the main body and then pressing the second part into a feature on the body. The whole process runs on a 10 seconds cycle time*

Vibratory bowls orientate and singulate parts, the bodies are transferred into an induction coil, once heated placed into heated bottom tooling of a hydraulic press. The upper part is fed by the second bowl with individual parts loaded into the top tool of the press.



Temperature, load and position monitoring are used to ensure correct press assembly. Assembled parts are located by the press top tool and released onto a advancing outfeed conveyor.

### Key Features

- Vibratory bowl feeders
- Two position twin head part transfer system for main body.
- Dedicated pick and place system to load parts into press top tool.
- 10kW Induction heating coil
- Hydraulic press with heated bottom tool
- Non contact temperature monitoring
- Load / position monitoring

