

Bihler Corporation – Binder Clip Wire Forming

Bihler is a large manufacturer of metal forming machinery based in southern Germany.
Company overview: http://www.bihler.de/BihlerCOM/index_eng.htm

In this project, the students will design a tooling concept based on a Bihler GRM-NC stamping and forming machine, following the LEANTOOL principles. The Lean tooling development for this project would involve CNC and machining primary tool components as pictured here.



The goal is to produce all three types of binder clips, wire and sheet metal, with only little changes of the tools. This project will demonstrate the versatility of the Bihler technology.

After the design process, the students will write the timing chart for the servo slides and simulate the production of the parts in bNX (proprietary Bihler software).

