

**Engineering Center**  
Madison Heights, Michigan

Automated pre-assembly of fasteners and other cylindrical parts

**Application Need:**

Any application in which large volume makes hand assembly undesirable, including pre-assembly of multiple washers/spacers/etc as well as non-metallic components that would not stand up to subsequent heat treatment or plating.

**Solution:**

Multiple feed systems assemble components to bolts in-line with thread rolling. Bolts that capture non-heat treatable materials are heat treated & coated prior to thread rolling. (Rolled threads capture all components in the assembly.)

**Benefits:**

- Minimizes part handling and labor.
- Can reduce chances for misassembly/missing parts.

**NET COST SAVINGS!!!**



Feeding  
multiple  
components  
to screw

