

Components produced by Precision Rotary Swaging:  
**Pipe / Hose Connection**



**Workpiece:**

Material: Aluminium, copper, brass, steel, stainless steel

**Manufacturing requirement:**

Forming of connection zone at one or both ends of the tube

**Operation sequence:**

The complete shape is formed in one or two operations by Precision Rotary Swaging.

**Advantages:**

- Soldering or welding operation for attaching the connection piece to the end of the tube is avoided, resulting in savings in cost and time and avoidance of an environmental problem.
- Increased reliability due to elimination of joint
- Good dimensional accuracy
- Excellent surface finish
- No chips produced

**Machine description:**

Manual machine:

The workpieces are fed into the swaging head by hand.

Semi-automatic machine:

The workpiece is placed by hand into the hydraulic feed unit and clamped. After giving the start impulse, the workpiece is fed automatically into the swaging head.

Fully automatic machine :

With this machine the workpiece transfer from an appropriate magazine to and through the work stations is takes place fully automatically. Workpieces can also be completed using a multi-station fully automatic transfer line to cover operations such as expanding, swaging, facing, chamfering etc.