Inductors are manufactured through various processes. Furthermore, expert know-how is required for each of those processes. Here, let’s see how typical wire-wound products and multilayer products are manufactured.

### Wire-winding type

1. **Core manufacturing**
   - After the processes of creating the fine particles, molding, and firing, electrodes are formed on the manufactured core (magnetic core).

2. **Wire-winding**
   - A wire is wound around the core, and the terminals of the wire are connected to the core.

3. **Frame processing**
   - The wire-wound core is sandwiched by the frame.

4. **Molding**
   - Resin is poured over the coil sandwiched by the frame.

5. **Terminal treatment**
   - The resin-covered coil is separated, and the frame is bent to form electrodes.

### Multilayer type

1. **Paste forming**
   - Ferrite powder and resin are mixed to form ferrite paste.

2. **Sheet forming and printing**
   - The ferrite paste is flattened into a sheet form, and electrodes are printed on it.

3. **Multilayer process**
   - Electrode-printed ferrite sheets are stacked in layers and pressed.

4. **Cutting and firing**
   - The stacked sheets are cut with a blade into the prescribed size, and perfectly fired in a furnace.

5. **Electrode coating and plating**
   - Both ends of the fired coil are dipped in electrode paste, and then baked. Next, the entire body of the coil is dipped in plating solution.