WHAT IS CLAIMED IS:

1. A geared torque tool, comprising:

a motor defining a rotor and a stator;

an exterior housing assembly for securably housing the motor by coupling to the stator; and

a geartrain coupled to the rotor for torque transmission, and integrally coupled to the stator, separately from the exterior housing assembly, to support the geartrain during the torque transmission.

2. The geared torque tool of claim 1, wherein the annulus of the geartrain is securably fastened to a sleeve of the stator that is adhesively coupled to a core of the stator.

3. The geared torque tool of claim 2, wherein a thermally conductive adhesive couples the sleeve to the core of the stator to allow heat dissipation.

4. The geared torque tool of claim 2, wherein the annulus of the geartrain is coupled to a flange of the sleeve via a plurality of fastening connections distributed around the flange of the sleeve.

5. The geared torque tool of claim 1, wherein the geartrain comprises an indexing rotor of the geartrain that is selectively engageable to allow rotation of the exterior housing assembly relative to an output shaft of the geared torque tool.

6. The geared torque tool of claim 5, wherein the indexing rotor defines an annular gear releasably fastened to the stator and engaged with a planetary gearset coupled to the rotor for torque transmission.

7. The geared torque tool of claim 6, wherein the indexing rotor is releasably fastened to the stator via one or more ball detent assemblies distributed around the indexing rotor at a low torque end of the geartrain, the ball detent assemblies being selectively disengageable by torque applied to the index rotor.

8. The geared torque tool of claim 1, further comprising:

a reaction arm integrally coupled to the stator via the geartrain.

9. A unitary subassembly for a geared torque tool, comprising:

a motor defining a stator and a rotor for rotation around an axis of rotation; and

a geartrain coupled to the rotor for torque transmission and directly integrally coupled to the stator axially adjacent to the motor for support and to form the unitary subassembly.

10. The unitary subassembly of claim 9, wherein the stator is an annular stator circumferentially surrounding the rotor and integrally coupled to an annulus of the geartrain.

11. The unitary subassembly of claim 10, wherein the annulus of the geartrain is securably fastened to a sleeve of the stator that is adhesively coupled to a core of the stator.

12. A method of manufacturing a geared torque tool, comprising:

forming a subassembly by coupling a geartrain to a rotor and a stator of a motor such that torque is transmitted from the rotor to the geartrain while the geartrain is supported by the stator; and

securably housing the subassembly at least partially within an exterior housing assembly.

13. The method of claim 12, wherein the annulus of the geartrain is securably fastened to a sleeve of the stator that is adhesively coupled to a core of the stator.

14. The method of claim 12, wherein the geartrain comprises an indexing rotor of the geartrain that is selectively engageable to allow rotation of the exterior housing assembly relative to an output shaft of the geared torque tool.

15. The method of claim 12, further comprising:

coupling integrally a reaction arm to the stator via the geartrain.