WHAT IS CLAIMED IS:

1. An extension tool for deployment within a component, comprising:

a plurality of sequentially arranged links moveable relative to one another; and

a plurality of windows defined in the plurality of sequentially arranged links,

wherein the windows of the plurality of windows are defined periodically along the plurality of sequentially arranged links such that a periodicity of the windows of the plurality of windows corresponds to a periodicity of a plurality of features of the component.

2. The extension tool of claim 1, wherein a window of the plurality of windows is defined at one or more circumferential locations along a link of the plurality of sequentially arranged links, and wherein the window of the plurality of windows defines an opening in the link of the plurality of sequentially arranged links for communication between an internal passage of the plurality of sequentially arranged links and an environment external to the extension tool.

3. The extension tool of claim 1, wherein each window of the plurality of windows is labeled with a label, and wherein each label corresponds to a respective feature of the plurality of features.

4. The extension tool of claim 1, wherein each window of the plurality of windows is defined by diverging walls.

5. The extension tool of claim 1, wherein a sight line is defined in each link of the plurality of sequentially arranged links, the sight line extending between each window of the plurality of windows arranged along a path to position each window at a respective feature of the plurality of features.

6. The extension tool of claim 1, wherein each link of the plurality of sequentially arranged links comprises a link proximal end and a link distal end, the link distal end of each link of the plurality of sequentially arranged links having a male alignment feature and the link proximal end of each link of the plurality of sequentially arranged links having a complementary female alignment feature.

7. The extension tool of claim 1, wherein the plurality of sequentially arranged links includes a transition link defining a first line guide segment in a wall of the transition link and a second line guide segment in the wall, wherein the first line guide segment transitions from an upper portion of the wall at a proximal end of the transition link to a lower portion of the wall at a distal end of the transition link, and wherein the second line guide segment transitions from the lower portion of the wall at the proximal end of the transition link to the upper portion of the wall at the distal end of the transition link.

8. The extension tool of claim 1, wherein the plurality of sequentially arranged links includes a light element for illuminating an environment external to the plurality of sequentially arranged links.

9. The extension tool of claim 1, wherein the plurality of sequentially arranged links includes a cooling passage for receipt of a cooling fluid within the plurality of sequentially arranged links.

10. The extension tool of claim 1, further comprising:

a support member defining a distal end of the extension tool, the support member including a first wheel disposed at the distal end and a second wheel spaced apart from the first wheel.

11. The extension tool of claim 1, wherein the plurality of sequentially arranged links define an opening.

12. The extension tool of claim 11, wherein the plurality of sequentially arranged links includes a distal link having a projection which projects into the opening.

13. The extension tool of claim 12, further comprising:

a support member defining a distal end of the extension tool, the support member including at least one wheel disposed at the distal end.

14. The extension tool of claim 13, wherein the support member comprises a plurality of flexible members.

15. The extension tool of claim 13, wherein the support member includes an endstop.

16. The extension tool of claim 15, wherein the endstop defines a groove for receipt of the projection of the distal link.