Finer grain structure improves part metal fatigue properties.

Adverse metallurgical effects caused by combustible gas.

Queen City Forging applies rapid Infrared heating to aluminum forgings, creating enhanced physical properties, such as improved fatigue life, fine grain aluminum microstructure, and better response to heat treatment. QC Forge uses IR heating technology to reduce energy consumption and lower production costs. U.S. Patent 7,544,256B2

Faster heating cycle increases productivity & process uniformity

Longer heating startup/shutdown reduces productivity & process uniformity