

Billet Taper Quench

Active Isothermal-Isopressure Extrusion

Isothermal extrusion—maintaining a constant exit temperature over the entire extrusion cycle is the overriding benefit of the Billet Taper Quench. It allows maximum extrusion speed for a given alloy profile and press tonnage. It eliminates variations in dimension and structure along the length of the extruded product.

Highest Quality Profiles:

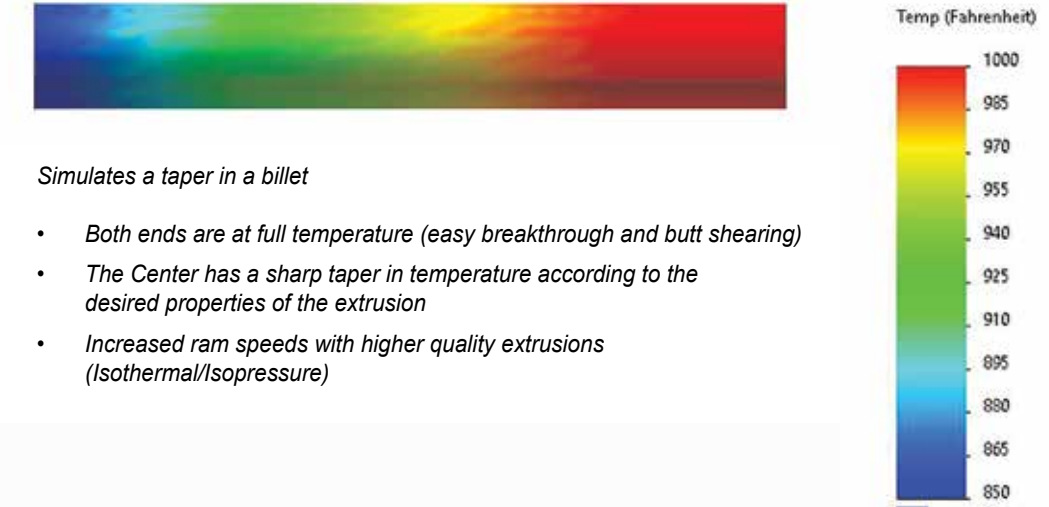
- Reduced dimensional variation
- Maintain consistent extrusion temperature
- Eliminates end-of-extrusion blisters

More Throughput:

- Taper heating allows faster press speeds
- No press delay

Isothermal Extrusion:

- Lowest acquisition cost
- No induction heater



Simulates a taper in a billet

- Both ends are at full temperature (easy breakthrough and butt shearing)
- The Center has a sharp taper in temperature according to the desired properties of the extrusion
- Increased ram speeds with higher quality extrusions (Isothermal/Isopressure)

