

Billet Taper Quench



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 also 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
- Cycle time of less than 25 seconds

Isothermal Extrusion:

- Lowest acquisition cost
- No induction heater

General Benefits

- Dramatic Increases in productivity
- Extrusion of longer billets
- Improved billet metallurgy
- Any combination of taper length and desired temperature will yield benefits for all profiles

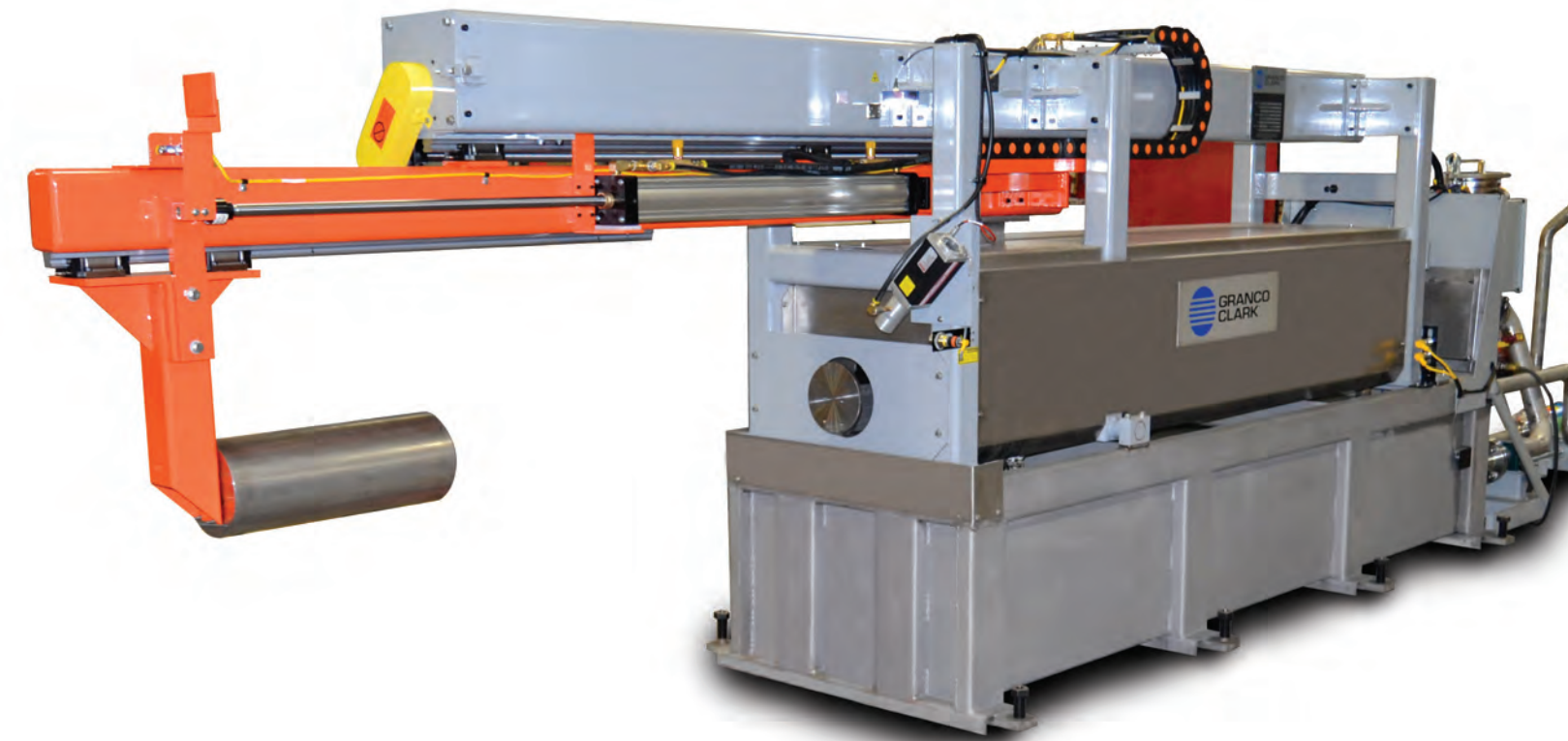
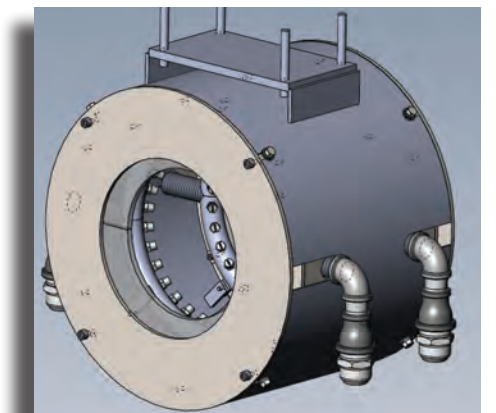
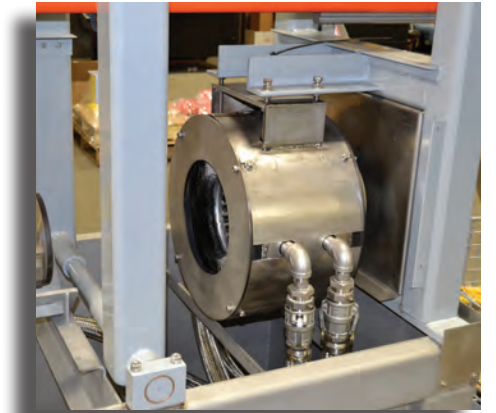
Design Features

- Unique transport - billets are suspended, no conveyor drag and full water coverage
- Ball/Screw actuated, all drive components are isolated from water and steam
- Servo Motor gives accurate speed and position control
- Stainless steel construction
- Standard "V" jet nozzles for ease of maintenance



Granco Clark Re-Designed Taper Quench

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- **Improve Billet Metallurgy**
- **10% - 40% Ram Speed Increase**
- **Higher Yield**
- **True Isothermal, Isopressure Extrusion without Slowing the Press**
- **Very Low Maintenance**



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