



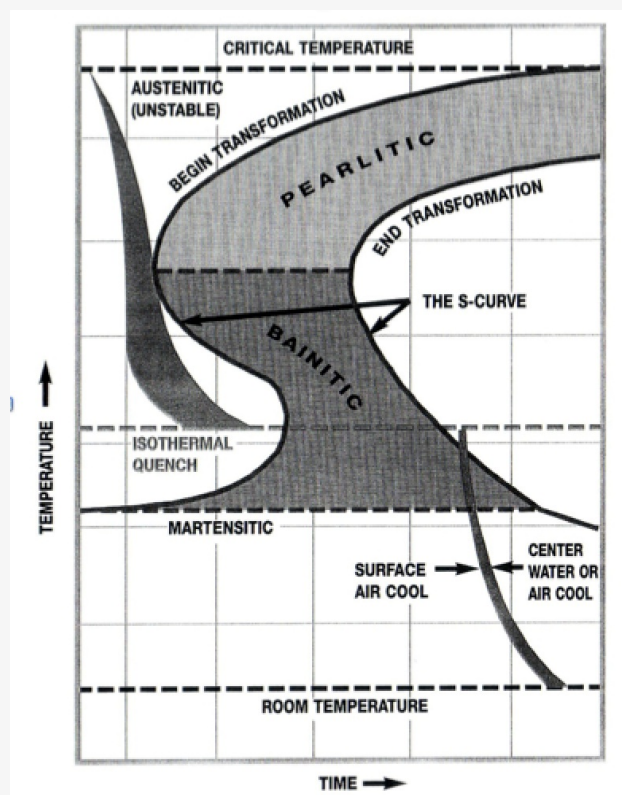
## Why Quench in Molten Salt?

Molten salts have been used for quenching for more than 80 years. Their wide operating temperature range makes them ideal for many quenching processes aimed at minimizing distortion of iron and steel parts.

The most distinct advantage of salt over oil quenching is its wide operating temperature range - 300 to 1,100°F for a typical composition. Thus, salt can be used for any quenching process. Oil, however, cannot be used over 450°F which restricts its use to lower temperature processes.

## Advantages of Molten Salt Quenching are...

- Lack of vapor phase results in lower distortion
- Quench severity is easily controlled
- More rapid heat transfer results in greater productivity
- Quenching performance stable for many years
- Easily washed off with water
- Salt Baths offer proven repetitive Isothermal Quenching for high production Austempering Applications



THERMO-QUENCH is the flagship of our quenching line. An eutectic mixture, it is completely usable from 300 - 1100°F. Review all of our [quenching and tempering salts](#).

**Contact**  
**Heatbath/Park Metallurgical**  
**(413) 452-2000**  
[www.heatbath.com](http://www.heatbath.com)

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