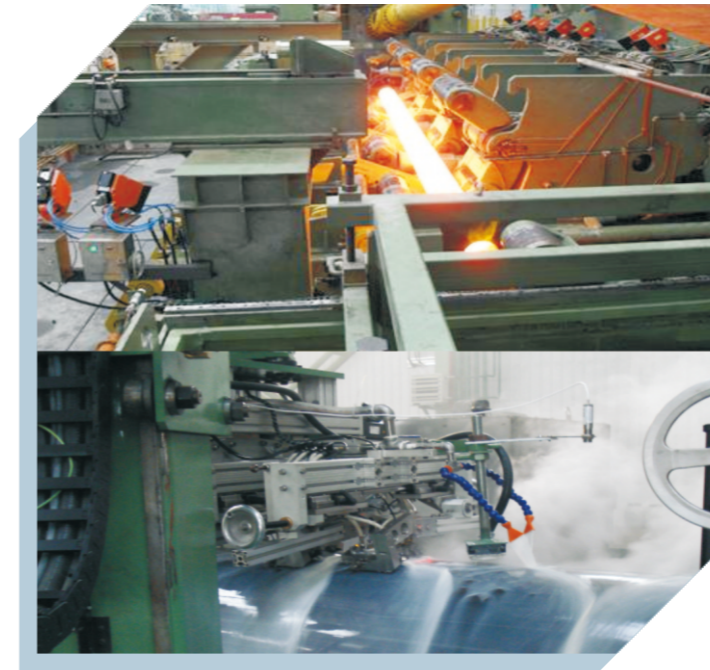
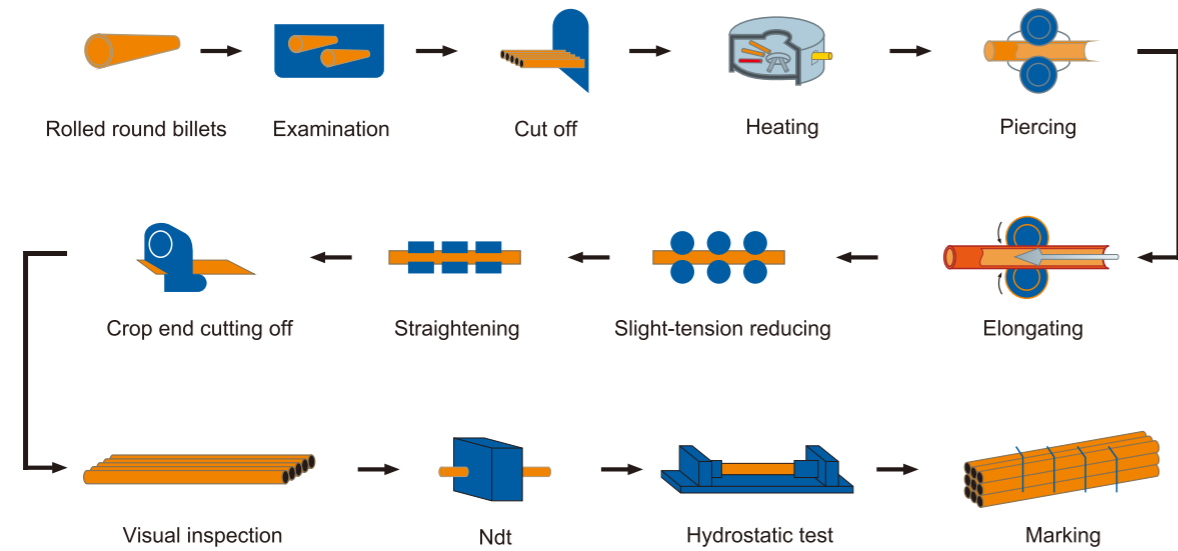


# Manufacturing Process of Seamless Steel Pipe

## ● Hot Rolled Process of Seamless Steel Pipe



## ● Hot Rolled

Round Pipe Billet → Heating  
 → Punching → Three-Roller  
 Skew Rolling, Continuous  
 Rolling or Extruding → Pipe  
 Detaching → Micro Tension  
 Sizing or Reducing →  
 Cooling → Straightening →  
 Hydrostatic Test or Inspection  
 → Marking → Warehousing

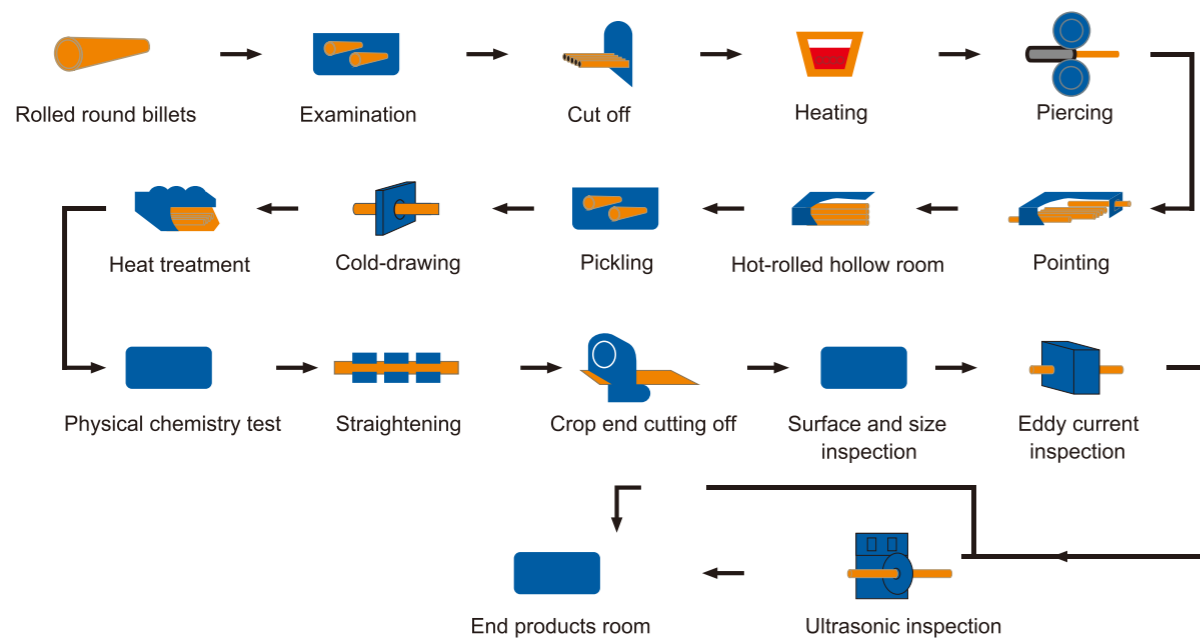
Hot Rolling

Cold Drawing

Hot Extruding

Cold Rolling Cold Forming Roll Forming

## ● Cold Drawn Process of Seamless Steel Pipe



## ● Cold Drawn

Round Pipe Billet Heating  
 Punching Pipe Head Treatment  
 Annealing Acid Pickling  
 Coating Oil (Copper Plating)  
 Multi-pass Cold Drawing or  
 Cold Rolling Pipe Billet Heat  
 Treatment Straightening  
 Hydrostatic Test or Inspection  
 Marking Warehousing