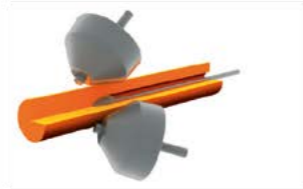# Seamless Process Flowchart (PQF)
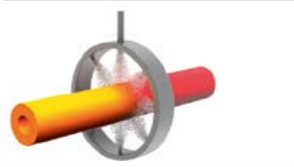
1. Billet heating in circular furnace

2. Cross-rolling piercing

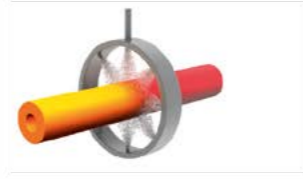**3. Hydrodescaling**

4. Elongating

5. Reheating

6. Hydrodescaling

7. Stretch reducing mill

8. Cutting

9. Cooling

10. Batch sawing

Casing Pipe Finishing Process
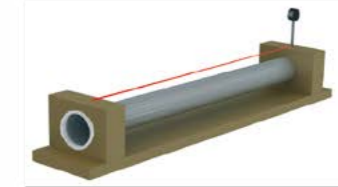
1. Control of pipe geometry

2. Heat treatment

3. Flaw-detecting

4. Geometrics inspection

5. Magnetic-fluoroscopic flaw inspection of pipe ends

6. Threading, thread inspection

7. Coupling screw-on and drifting

8. Hydrostatic testing

9. Protectors screw-on

10. Coating application

11. Marking, packing, storage