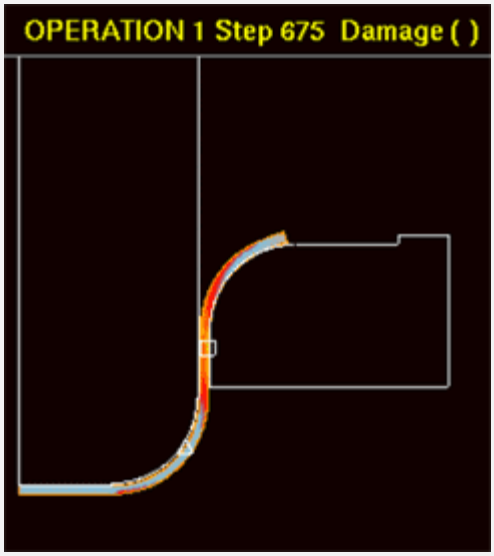
Refractory Metal and Superalloy Component Manufacturing

Oak Ridge National Labs

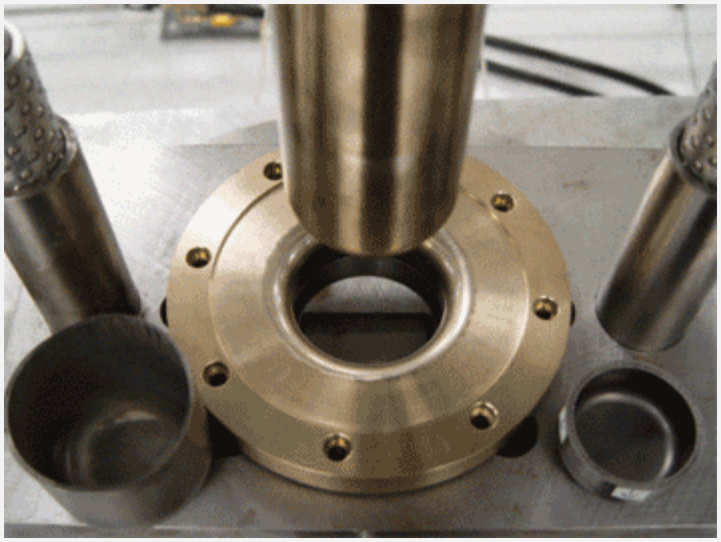
Mike Pershing

Prediction

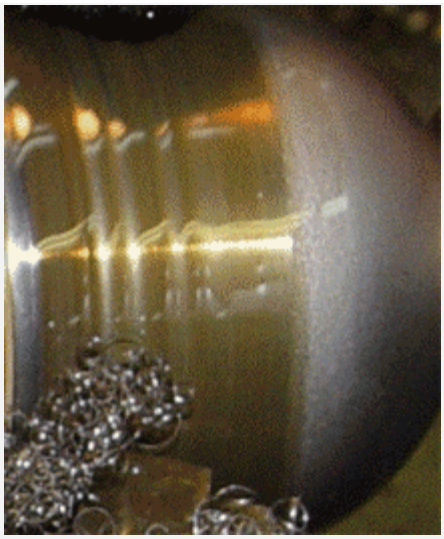


Modeling Potential Failure Areas with Cockcroft-Latham Ductile Fracture Criteria

Process

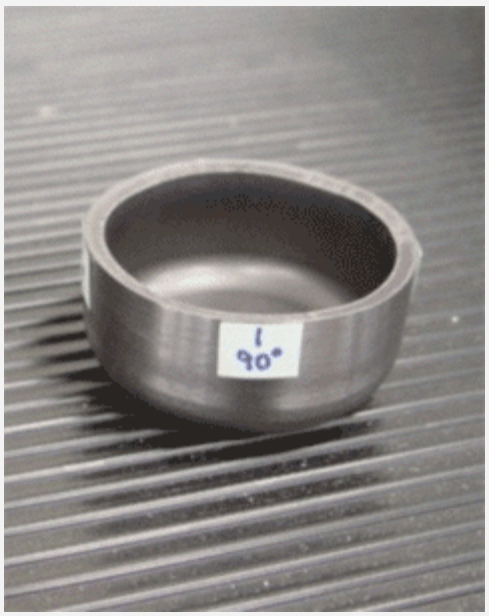


Deep Drawing Press Fixture



Machining Ta10W

Products



Ta10W Single Draw

Ni-Based Superalloy Multi-Draw

Molybdenum Deep Draws: As-Formed

Molybdenum Deep Draws: Machined