

# The Development of a Viable, Cost Efficient, Forming Method of Titanium Ti-6Al-4V

## HPWF, High Pressure Warm Forming

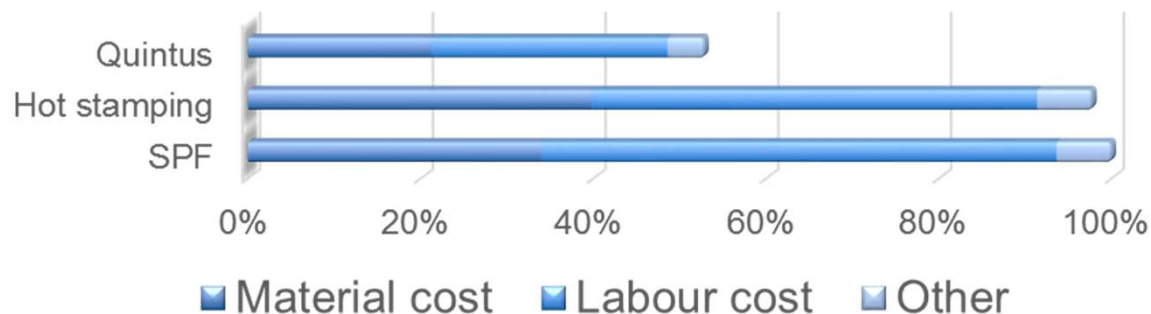
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# Summary

- HPWF is a Viable, Cost Efficient **Production** Method for forming of Titanium Ti-6Al-4V sheets
  - 50% reduction in production cost
  - Increased throughput
  - Forming repeatability



## Production cost



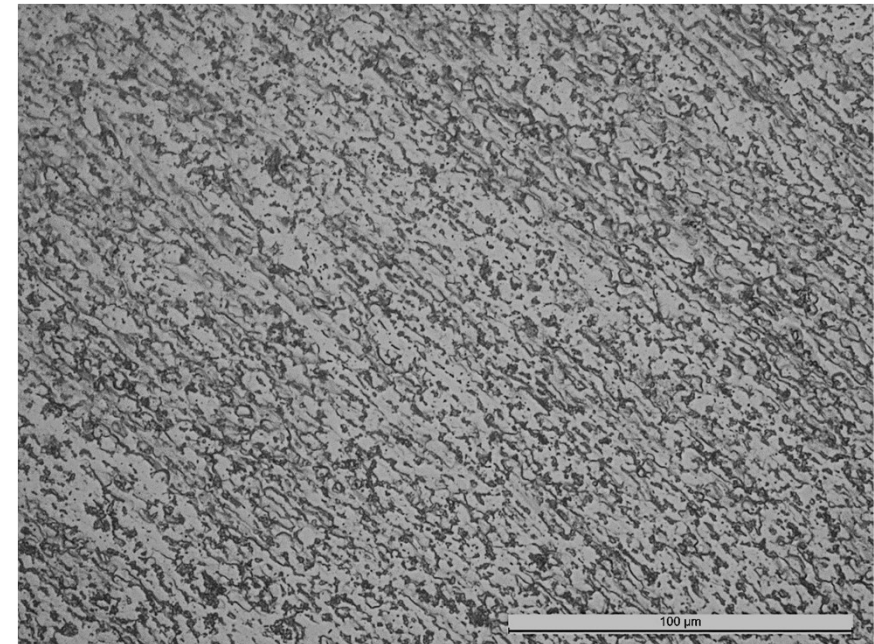
# Basic validation work already performed

ADVANCED FORMING RESEARCH CENTRE



Optical Image location C

Direction of grain flow has oriented along bending direction (horizontal axis on this page) around 15-20°



# Next step with EUREKA support?

- In-depth process validation required
- Go from lab to production scale process
- End user awareness and participation

