



# CASE STUDY

Machine Model: **XL900**

Crushing Type: **Secondary**

Mine Type: **GOLD**

Location: **Canada**

## PROBLEM

Main Frame had repeated cracking in a consistent location. Customer purchased multiple Main Frames from the OEM but they all cracked. They had also had the OEM conduct on-site repairs that did not last long.

## SOLUTION

Optimum Crush laser scanned one of the failed Main Frames and built models of the current design. They conducted a Finite Element Analysis on the failed Main Frame model and designed a Main Frame that was 25% stronger in the critical area.

## RESULT

Main Frame is currently in operation with no reported issues. % of life improvement over the OEM is still TBD.



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