

TRD withstanding 30.000 tons of aqua feed

Extruder dies are essential for pellet production within fish feed and pet food industry. As a result of enormous amounts of feed being processed, hardened tool steel dies are worn down and needs to be replaced. Graintec A/S and TRD Surfaces have teamed up to develop and offer a highly improved die for higher pellet quality, better pellet homogeneity, higher extruder capacity and vastly improved die lifetime. The solution is a TRD Chromium Carbide (CrC) surface treatment that increases the tool steel hardness fivefold to 2000 HV and decreases friction against the feed. After 30.000 tons of feed being processed, the TRD dies are still in operation.

In collaboration
with



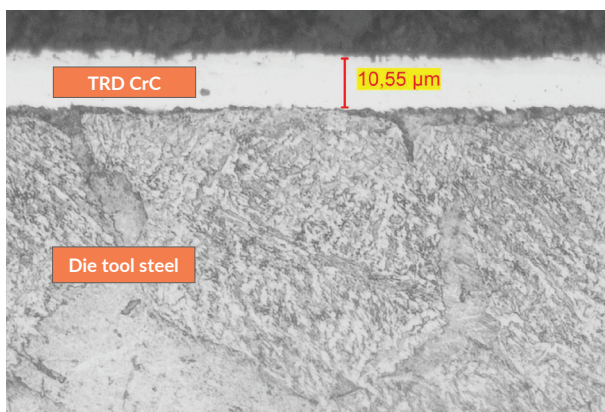
GRAINTEC

"At Graintec A/S we always strive to deliver the best solutions for our customers. A vital part of every aqua feed plant is the extruder. The solutions provided by TRD Surfaces has given us a competitive edge in terms of pellet quality, part lifetime and extruder efficiency."

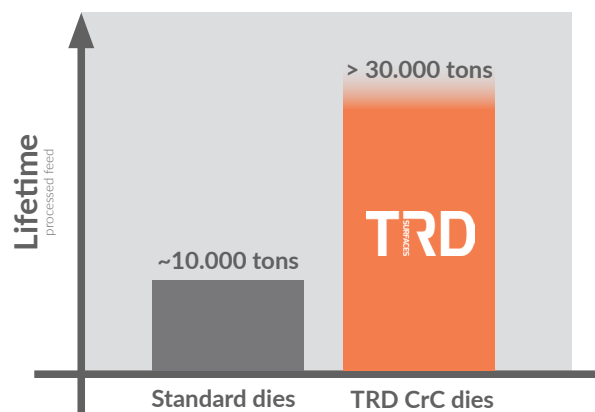
Michael Mortensen,
CEO, Graintec A/S

- More than 3x lifetime improvement
- Higher extruder capacity due to low internal friction
- Significantly better homogeneity of extruded pellets
- Fewer stops for cleaning nozzles
- Improved technical quality (eg. DORIS*)

*DORIS = Durability on a realistic test



Cross section of the applied TRD CrC surface treatment.



Lifetime improvement in an industrial aqua feed plant

About TRD Surfaces

TRD Surfaces is a high-tech surface engineering company based in Denmark, offering unique solutions for optimal wear and corrosion performance of steel components. We aspire to deliver the best service and constructive dialogue for our customers. We are driven by a desire to understand your challenges, and apply the correct surface engineering to fulfill demands for better performance and increased lifetime.



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