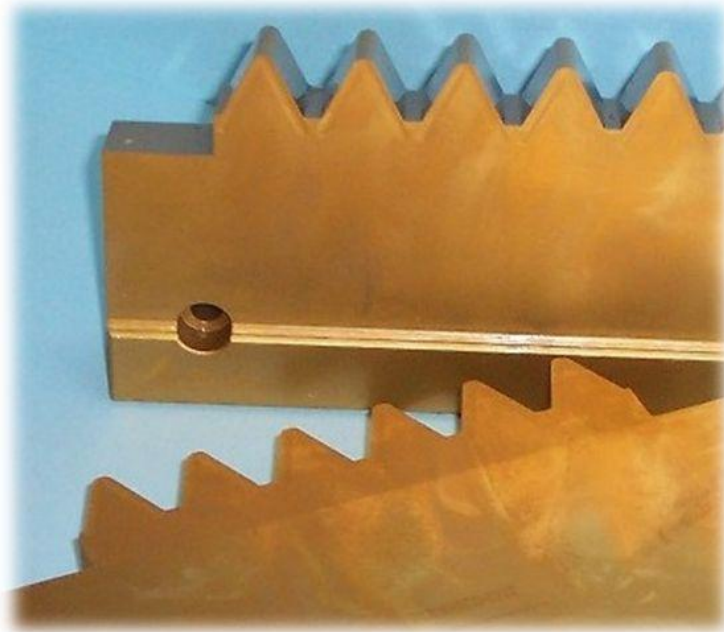


CUTTING OF STEERING RACKS

Company: TRW (Pamplona, Spain)

Tools: Maag shaping cutter made of ASP2030 + TiN (re-coated after every sharpening). Manufacturing of steering racks for trucks.



| | <u>Before</u> | <u>With CRYOBEST®</u> |
|--------------------------------------|---------------|-----------------------|
| Number of parts between sharpening. | 60 | 160 |
| Material removed in sharpening (mm.) | 0,3 - 0,4 | 0,2 – 0,3 |

The treated shaping cutters notably increase their performance (x2,5). Due to amore homogeneous wear it is necessary to remove less material during sharpening (that means more uses of the same tool).

The consumption of shaping cutters has been reduced spectacularly and the expenses due to sharpening and coating have dropped. There are less tool changes and less downtime. The productivity and the quality have been clearly improved.