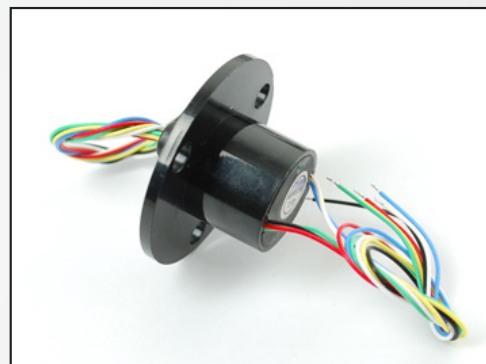


## Slip Rings: GEN3SYS® XT

The customer manufactures slip rings for the oil and gas industry out of 4140 steel (28-32 Rc) on a Mazak Integrex.

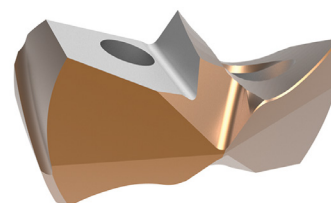
The customer was unhappy with the process, and they asked Allied for a solution to improve productivity.

The **GEN3SYS XT** drill drastically improved both time and cost per hole savings.



<b>Product:</b> GEN3SYS® XT <b>Objectives:</b> Improve process <b>Industry:</b> Oil & gas/petrochemical <b>Part:</b> Slip rings <b>Material:</b> 4140 steel <b>Hole Ø:</b> 0.4331" <b>Hole Depth:</b> 0.6000"	Measure	Competitor Reamer	ALVAN® Reamer
	Speed	40 SFM	351 SFM
	Penetration Rate	1.76 IPM	18.60 IPM
	Cycle Time	20.45 sec	1.94 sec
	Tool Life	500 holes	5040 inches
	Cost Per Hole	\$0.73	\$0.08

- ▶ GEN3SYS® XT insert  
Item No. 7C111P-11
- ▶ GEN3SYS® XT insert holder  
Item No. 60311S-063F



908% tool life increase

The GEN3SYS® XT provided:

- ✓ Increased tool life
- ✓ Decreased cycle time
- ✓ Decreased cost per hole

Copyright © 2021 Allied Machine and Engineering Corp.- All rights reserved.