



UPGRADE TO LOVEJOY QUICK FLEX® COUPLINGS LEADS TO MAJOR SAVINGS

CHALLENGE ▼

The dryer roll within a paper manufacturer in Kentucky was originally set up with gear couplings. Gear couplings require lubrication which creates ongoing maintenance labor costs in checking, replacing or replenishing the lubrication and the cost of the lubrication itself. Downtime on this dryer roll costs this paper manufacturer \$8,000 per hour, which adds up quickly during regular and unplanned maintenance. This particular application was going through two gear couplings a year. Each time the coupling needed to be replaced it created a downtime of four hours per coupling and a labor cost of around \$45 per hour for two maintenance technicians.

LOVEJOY SOLUTION ▼

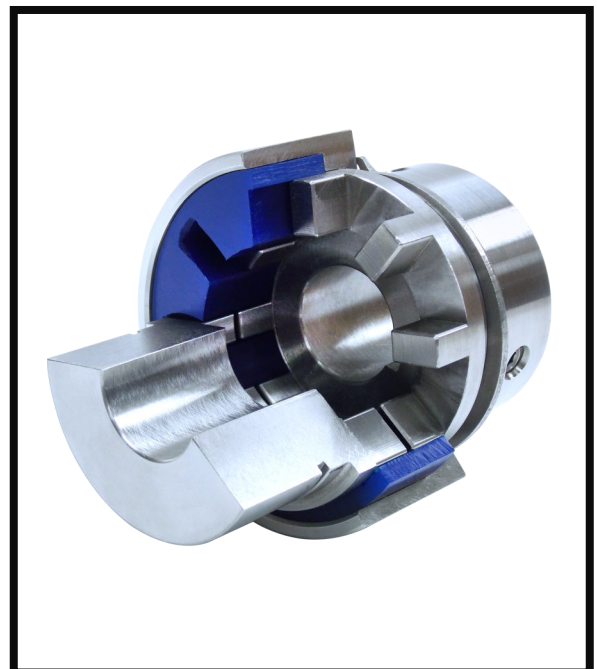
Timken was able to cut the downtime and total labor hours down to 15 minutes per coupling by switching to the (size QF50) QUICK FLEX which has a comparable torque and max bore rating to the gear couplings in question. QUICK FLEX is a non-lubricated coupling option, saving users on all lubrication associated costs. Plus, the only wear on this coupling is the elastomeric insert which can be replaced without moving the hubs. This is what creates the huge time savings advantage over gear couplings. Our Timken engineer was able to help save this manufacturer thousands of dollars in downtime each year.



RESULTS THAT MATTER ▼

QUICK FLEX Coupling vs. Gear: 2 Replacements Per Year

	COST	SAVINGS
DOWNTIME GEAR	4 HRS X (\$8K/HR) X 2 REPLACEMENTS = \$64k	\$60,000
DOWNTIME QUICK FLEX	1/4 HRS X (\$8K/HR) X 2 REPLACEMENTS = \$4K	
LABOR GEAR	4 HRS X \$45/HR X 2 TECHNICIANS X 2 REPLACEMENTS = \$720	\$697.50
LABOR QUICK FLEX	1/4 HRS X \$45/HR X 1 TECHNICIAN X 2 REPLACEMENTS = \$22.50	



The Lovejoy team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including couplings, rubber suspension, hydraulic components, and related mechanical power transmission products.