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MOLDED NYLON PULLEY REDUCES COST, IMPROVES PERFORMANCE FOR HIGH SPEED PACKAGING EQUIPMENT MANUFACTURER

SIGNIFICANT COST SAVINGS ACHIEVED BY REPLACING ANODIZED ALUMINUM WITH MOLDED NYLON

Fairport Harbor, OH – February 17, 2006 – Seeking a lower cost alternative to anodized, machined aluminum pulleys for its high-speed PunchPlus® Inserter, Unique Solutions®, Inc, needed design and manufacturing assistance in converting all pulleys in the inserter to FDA approved N6650 nylon.

The PunchPlus® Inserter has a drive mechanism which requires several, precision timing pulleys. The pulleys were machined from aluminum bar stock and hard coat anodized. This approach, however, had significant drawbacks: it costly to manufacture and the inconsistent thickness of the hard coat anodized finish created a host of fit and tolerance problems.

Unique Solutions turned to Torque Transmission for help. Torque Transmission adapted the Unique's design so the pulleys were economically manufactured using plastic injection molding.

"Replacing all aluminum internal pulleys with molded nylon proved to be a smart move," stated Norm Hendle, Plant Manager for Unique Solutions, "We saved significant money." In fact, all of the tooling and engineering was paid back in just the first production run ñ that's a huge ROI," he concluded.

In addition to the cost savings to Unique Solutions, the molded nylon pulleys run quieter than aluminum. And, the injected molded plastic offers consistency from batch to batch and pulley to pulley, eliminating the frustrating and time-intensive fitting issues inherent with the anodized aluminum pulley.

"More and more, we're helping customers reduce costs and improve performance through innovative design and precision manufacturing," commented John Rampe, President of Torque Transmission. "Our highly skilled engineers combine their application-specific expertise with finding the right combination of high-strength, low cost materials to meet or exceed the customers' requirements," he concluded.

For more information, contact Torque Transmission at **800-544-6642** or visit www.TorqueTrans.com



With engineering and manufacturing help from Torque Transmission, Unique Solutions was able to save significant money while increasing performance of its PunchPlus® Inserter by switching from anodized aluminum pulleys to injection molded plastic pulleys.



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About Unique Solutions

Unique Solutions is a 100% woman-owned enterprise providing a turn-key system for executing consistently cost-effective and successful consumer-oriented promotional programs. They offer clients a single-source vendor able to liaise within your company's complex marketing and manufacturing environment, to smoothly implement even the most technically challenging promotional programs easily and affordably.

About Torque Transmission

For more than 50 years, Torque Transmission has designed and manufactured custom and standard power transmission components for low and fractional drive applications. Torque Transmission's wide product line includes worm gear speed reducers, right angle drives, thrust bearings, pulleys, roller chain sprockets, and flexible couplings. Our motion control components are used in industries such as food processing, medical, Point of Purchase, automotive, printing, semi-conductor manufacturing, sports and many others.

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