



PRODUCT SOLUTION STORY

Discontinued Actuator Problem Solved by customizing a Standard Product

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INTRODUCTION

A manufacturer of specialty polymers relies on a very high-pressure, multi-port rotary valve for its production process. This essential valve is equipped with a pneumatic rotary actuator. However, when the supplier of this critical component was acquired by another company, the actuator was unfortunately discontinued from their product line. As a result, the manufacturer had to solely depend on this specific actuator and was faced with the challenge of finding a suitable replacement when the actuator failed.

OBJECTIVE

Rotomation's objective was to supply an actuator to replace the discontinued one so the manufacturer can resume production.

CHALLENGES

The new actuator must fit within the same place and connect directly to the existing valve. The customer aims to reduce costs associated with replacing worn-out actuators by leveraging the existing coupling, bracketry, and handle. Additionally, they seek a more streamlined solution for new installations.

SOLUTION

Rotomation developed two innovative solutions. For replacement, Rotomation engineers customized an actuator with a special pinion and modified mounting holes that accept the existing bracket with a minor modification. For new applications, Rotomation supplied a new bracket designed to utilize the standard actuator mounting holes along with a special pinion.

BENEFITS

The user of the valve can obtain high-quality actuators with short lead times at reasonable costs to continue their production.

The replacement solution minimizes the cost of replacing the actuator for cases where the valve is still in use. The solution for new installations does not require any customization of the actuator or the bracket.



Solution 1:

Two tapped holes were added to the front of the Rotomation A752 to accept the customer's existing mounting bracket with a small modification.

SOLUTION 2:

A new bracket was designed that is compatible with the rotary valve and attached using the two standard tapped mounting holes on the front of the actuator.



NORMAN LANE
President, Rotomation

"Automation has revolutionized the way industries operate, making them more efficient and less prone to errors. With constant advancements, businesses of all sizes now have access to automation, making it crucial for them to stay updated in order to remain competitive."