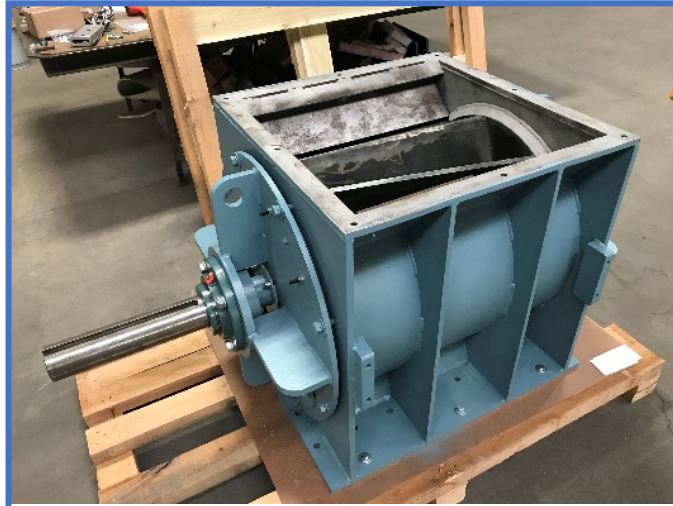


WE BRING WORN-OUT ROTARY VALVES BACK TO LIFE



25" x 30" Rotary Valve not manufactured by Young Industries, but in need of repair



25" x 30" Rotary Valve repaired and upgraded to "better than new" condition

Young Industries has been manufacturing Rotary Valves since 1947. We have been refurbishing and rebuilding Rotary Valves for almost as long. We provide our customers with:

- Application assistance from our experienced staff of application engineers
- State of the art manufacturing practices
- Value engineered solutions

Rotary Valves are often the most critical part of a powder handling system. These Valves are often in service for many years with little maintenance or upgrades. Young Industries has always offered refurbishing and rebuild services to our complete line of rotary valves. **We now offer complete refurbishing and rebuild services for all manufacturer's rotary valves.**

The Rotary Valve shown in the following photos was not originally manufactured by Young Industries. The user selected Young Industries to refurbish the valve to new condition with some additional features to increase service life.

STEP NO. 1: APPLICATION ASSISTANCE:

Our local representative along with a Young Industries Application Engineer visited the customer site to evaluate the process and discuss with the user operational conditions and possible design up-grades. The valve is being used to meter wood chips into a pneumatic convey system. The inlet throat of the valve has shearing knives and the rotor is a spiral design with hardened tips. Based on that meeting, the Rotary Valve was sent to Young Industries for tear-down and evaluation.

STEP NO. 2: TEAR-DOWN EVALUATION

The Rotary Valve was completely dis-assembled, cleaned, and all parts checked dimensionally and evaluated for surface wear. It was determined the valve could be repaired and additional features added to the valve to increase service life. These features include a Tungsten carbide coated housing bore and Stellite inlay on the rotor tips. The costs for refurbishing with the new features was presented to the user and they elected to proceed.





Hard chrome plated bore worn and grooved



Extreme wear on shrouds

STEP NO. 3: REFURBISH AND RE-BUILD



End plate after modifications



Modified rotor with stellite on tips and shrouds



Valve being assembled

The completed rotary valve now has close internal clearances on all machined parts, and any worn pieces are repaired or replaced. This Rotary Valve was revived from the junk pile to as new condition with significant up-grades at a cost that was much less than purchasing a new rotary valve.



Completed valve fully assembled