

↓ Reduction in overall project completion time

14 hours



Estimated time savings spent sourcing and project management

RegalRexnord
Powertrain Solutions

CUSTOMER SUCCESS STORY



Becoming a standard design for the OEM



Cut out need for outsourced assembly



Direct shipping to customer

Custom Rotary Calciner Drum Drive Assembly Saves OEM

\$13,000
PER PROJECT
FOR A COST SAVINGS OF **8.4%**

CUSTOMER PROBLEM

An OEM producing biocarbon solutions, a renewable alternative to fossil fuel-based carbon sources, needed support and partnership in designing the full power transmission system for their rotary calciner drum drive application. A Rotary Calciner Drum Drive is a mechanism used to rotate the drum of a rotary calciner, which is a type of industrial furnace used for high-temperature processing of materials. The drive system typically includes a motor, a gear reducer, and a pinion or chain drive that wraps around the drum. It allows the drum to rotate at a specific speed, ensuring uniform heating of the material inside.

Rotary calciners are often used in applications where precise temperature control and minimal exhaust gases are required. The drive system is crucial for maintaining the consistent rotation needed for effective calcination.

The customer reached out to Regal Rexnord for engineering expertise to optimize their system and provide product selection guidance.

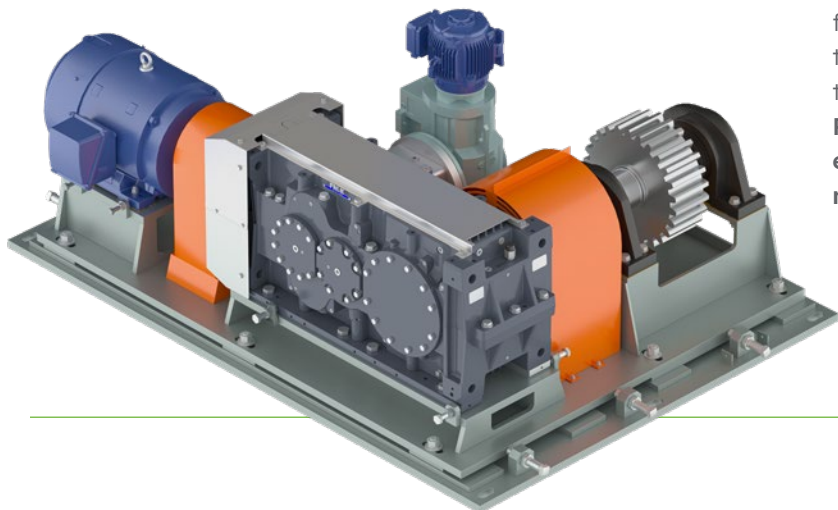
REGAL REXNORD SOLUTION

Utilizing our **broad portfolio** and industry and **application knowledge**, Regal Rexnord provided a custom, turnkey, intelligent solution comprised of Falk™ V-Class™ and Ultramite™ reducers, industrial motors, Falk Steelflex™ input and output couplings, and Rexnord™ mounted bearings and speed sensors all assembled on a custom base plate.

From design and product selection to full assembly, Regal Rexnord fabricated the complete solution and shipped out the full unit to the end user directly. The **customer put total trust in Regal Rexnord as a partner** and allowed the complete solution to be shipped to their end user without requiring testing or validation of the design. As a trusted advisor and consultant for the OEM, our technical knowledge and capabilities enabled us to refine the solution to suit the needs of the end user based on the objectives of the application.

By assembling the entire solution before shipping, the customer was able to reduce costs and simplify on-site assembly. The customer's designers are located overseas, with resources based in the US. Partnering with Regal Rexnord streamlined their collaborative processes through our local representation.

Regal Rexnord's rotary calciner drum drive solution is now becoming a standard design for this customer.



Additionally, Regal Rexnord took on the responsibilities of sourcing and assembly, significantly cutting down on project management costs and eliminating the need for outsourced assembly and saving the customer an estimated 6 hours and \$11,000. The efficiency of our engineering solutions and the ease of collaboration facilitated by our Powertrain Solutions team reduced the overall project completion time by 25%, saving the customer an additional \$2,000. **By working with Regal Rexnord, the customer saved \$13,000 and an estimated 14 hours in time spent sourcing and project managing this design.**

You have challenges.
We have solutions.

To solve your critical challenges, it is essential to partner with a **global company** with **local resources, reputable brands**, and a **proven history** of delivering cost-efficient solutions.

- SIMPLIFIED SUPPLY CHAIN
- TRUSTED ADVISOR
- APPLICATION ENGINEERING
- GLOBAL PRESENCE
- CONTINUOUS INNOVATION

Any Industry, Any Application. Get started at **RegalRexnord.com/Powertrain**

Regal Rexnord

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The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>.

To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale> (which may redirect to other website locations based on product family).

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