



Batch/Continuous FABRICATED ROTARY RETORTS

T H E R M A L I N G E N U I T Y S I N C E 1 9 4 3

BATCH ROTARY RETORTS

BACKED BY 60 YEARS

of high-temperature, corrosion-resistant alloy product design and fabrication experience, Alloy Engineering replacement batch and continuous rotary retorts deliver impressive production cost savings and dramatic increases in service life.

DELIVERING MANY TIMES THE SERVICE

LIFE of the products they replace, Alloy Engineering rotary retorts outperform cast retorts. We have pioneered the development of rolling, forming and welding techniques to ensure the highest quality, most durable high-temperature fabrications available. Close liaison before, during, and after a sale ensures maximum long-term uptime and productivity.

IMPERVIOUS TO THE RIGORS OF FURNACE ENVIRONMENTS,

Alloy Engineering rotary retorts are fabricated from wrought materials. Unlike cast materials, wrought materials have a low carbon content, tight grain structure and high ductility, which allow for greater resistance to thermal fatigue. The wrought material is an inherently higher quality parent material. No surface eruptions,



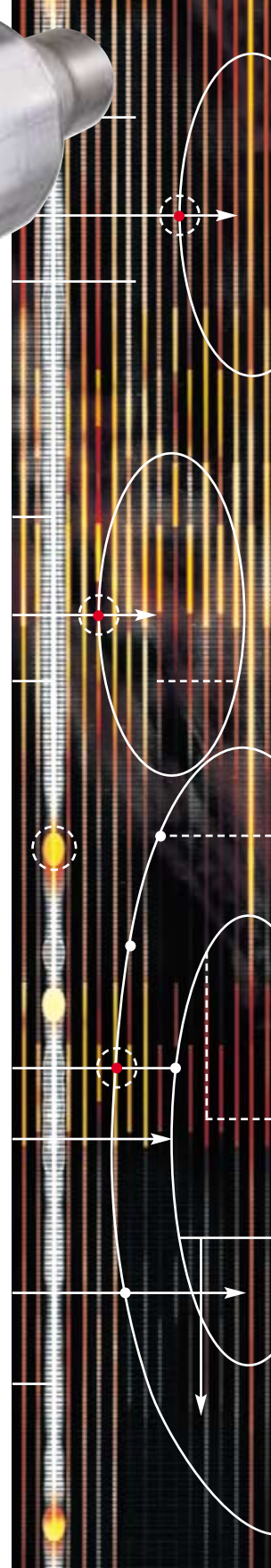
as are possible with a casting, to cause premature failure. The fabricated retort design allows for the use of various grades of wrought materials in the fabrication to enhance the performance of a specific area of the retort.

SHORTER CYCLE TIMES are produced with Alloy Engineering fabricated retorts because they weigh less than cast retorts and heat up faster with less temperature differential and lower thermal stresses. Our fabricated retorts have a smooth, consistent surface finish resulting in less marking of parts during production.

COST-EFFECTIVE DESIGN FLEXIBILITY of fabricated Alloy Engineering retorts means they can be economically upgraded to increase capacity.

OPTIONAL EQUIPMENT AND ACCESSORIES

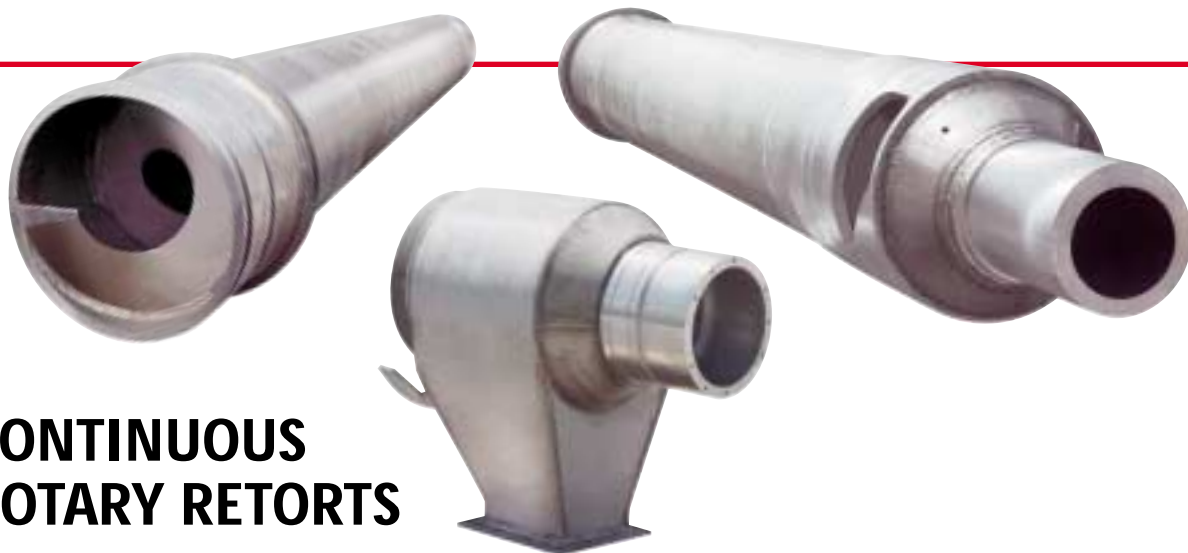
- Front and rear support wheels
- Front and rear spacing discs
- Gas inlet tubes
- Bearing wheels and brackets
- Gas burn-off accessories





Batch/Continuous

FABRICATED ROTARY RETORTS



CONTINUOUS ROTARY RETORTS

ADVANCED FABRICATION TECHNIQUES

allow Alloy Engineering to produce continuous retorts with a minimum of welds. Our retorts feature a continuous weld from the charge end to the discharge end and on both sides of the flight.

NO PATTERNS ARE REQUIRED allowing Alloy Engineering to address a customer's specific needs to maximize retort life and production. Tumbling bar arrangements may be designed to address particular needs.

WROUGHT MATERIALS ASSURE A SMOOTH INTERIOR SURFACE that prevents marking of parts inside the retort. Wrought materials eliminate surface eruptions, which are common with cast retorts.

ADVICE FROM OUR APPLICATION SUPPORT GROUP will help you decide the best approach for your needs. Alloy Engineering fabricated retorts can be repaired or rebuilt, replacing only the damaged section.

OPTIONAL EQUIPMENT & ACCESSORIES

- **Drive sprocket assembly:** time saving factory installation is available.
- **Support rings:** provide a smooth surface for proper gasket sealing. Time saving factory installation is available.
- **Atmosphere seal rings:** patented aluminum-bronze seal rings replace rope gasket, to eliminate shift greasing, water-cooling rings, and retention springs.
- **Support rolls**
- **Drop chutes and hoods**
- **Gas inlet tubes**

OTHER ROTARY PRODUCTS

- Rotary washer drums
- Draw furnace drums
- Rotary feeder drums

Contact us: Call or visit our web site –www.alloyengineering.com– to discover how Alloy Engineering can raise your productivity and lower costs.



Designers and Manufacturers of Heat and Corrosion Resistant Metal Products

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