



CASE STUDY

Rollin with the

by Ralph Ruark, Senior Technical Editor



t is normal today to think of the semingly insurmountable problems faced by many manufacturers in this industry—cheap prodcts from offshore, high labor costs.

and it is the industry—these products from offshere, shigh labor costs, using the costs of the cost of

A willingness to adapt to market demands has enabled Akron Porcelain & Plastics Co. to remain a successful family-owned

Incorporated as the Aktro Sesoking.
Pipe Co. in 1890, the compuny produced
clay pipe books that ware popular at the
time. Despite a recussion in 1893, the
company's proident, F. W. Butte, and his
menacement team had cartered 85% of

the domestic market by 1900. Though the company was prospective, the elevation of Alaron Sending Piper Go. and the contrast of Alaron Sending Piper Go. and the contrast of Alaron Sending Piper Go. and the contrast of the company's provident, continued prosperity "insolved gaing beyond existing practices or techniques, and moquials the doing of new things or the doing of things that the contrast of the contrast

Interestingly, they pipe book began to be gradually produced by penterstances using price tables to sweathance been hard to compete with non-cont below, just as it, is hard to compete with the low-cost labor in China and other countries touch; let Alexe Smokkey Bye Go, sourised this obstack by being flexible emough to develop new products and exter now markets.

Interesting Open State of the State of the

Elegibility was one of

recipitary was one of the companyfounding philosophies, and it has remained intact for generations of leader ship, all of whom are directly or indirectly related to Buther. From the clay pipes as the beginning, to nodar's broad producmic that includes both small and large specialty ceramic pundants for electrical incubations and members.

insulation, steel market products, thereson plants for the company's product, thereson plants for a range of market products has been the lay to succondial operation for the teams contact, Alexen Produkin. B Plants developed and marketed electrical products requiring now bedone and global people wars, energy crises, severe de

Dople was, energy ones, severe deposers and labor uphrands, the company remained standlist in its resolve to adapt, when baledat insulances were developed. Altern Proceedints & Planists, for responded by the proving irm plant; product production, which now compriess neath with 60 to the company's revenues. The paradigms shift components put many companies out of business, but Akron Porcelain. & Histics Ca.'s flexibility and underlying philosophy guided the company to try new technologies and maintain its business succoss. Another legacy of the company is its tie.

Platics. On realizes and respects the fact that man affacts the lines of handrad on people in the area, and it has done everything possible to make sure that it hences this responsibility. While the company could have ear-sounced all of its products to a region with lower manufacturing costs. Alere Provident Section Confession Confederation to the representation of the products to a region with lower manufacturing costs. Alere Provident of Platics Confederation the conference of the confession and maintain the respectively of the manufacturing base in Aleren Chauper of this Exponential to the confession of the confession of the properties of the confession of the properties of the confession of the properties of the properties of the confession of the properties of the proper

Evaluating Kiln Technologies By 2004, the increased cost of natural

now pain accade—and the obstating victories of certains had made the corpury's transikin far less officient due to a decreased pruling rate. The corpury evaluated parting rate. The corpury evaluated has en, with fuel efficiency, fails nor harding addetication of the control of the control of the post services in the key critical post services in the key critical post services in the key critical to the control of the company's slowductured likely evide consured a significant southeast the control of the control of the services are serviced as a service of the control of the control of the control of the control of the services of the control of the control of the control of the services of the control of the control of the services of the control of the control of the services of the control of the control of the control of the services of the control of the control of the control of the services of the control of the control of the control of the services of the control of the control of the control of the control of the services of the control of the contr

> were essential to the success of the project.
>
> Kiln Car Handling Flexibility. Products had to be transported from several locations to the transel telm cars, and the size of the cars required repetitive reaching and lifting that year an encourage strain on

lock managers wanted a system that would deliver wide, short cars to the prodict forming areas so that cars could be inectly loaded to reduce the amount of tremous manual labor necessary.

Firing Cycle Accuracy, With the turn

Firing Oyde Accuracy. With the turnel kiln cycle dependant on business volume, very little control of heating and cycle. The company needed a kiln in programmed, allowing for variable develop new products.

per offered by GFC Kilns of Australia, which



new shuttle kills.

Meeting New Challenges GPC Kilms was awarded the contract and certain it will achieve its objectives.

"We expect to save 50% of our fuel costs



replacing a continuous kiln. Plus, the cusemployees. And we know that the flexibility

127,000 square feet of manufacturing

Akron Porcelain & Plastics Co. will cally positioned itself to meet them.

Kenneth Burkins, vice president of more men-EW. Butler Jr., George H. Lewis Jr., George H. 'Mike' Lewis III and Alcon Porcelain & Pleatics Co. in

dition of family ownership. But it is not incurring a few debts), the diversification of employees, and the tradition of fine serv-

of 115 years of change-molding the

For more information about Alexe Percelain & Pire-Scs Co., contact the company at 2739 Cary Ave., 2012119-to COST 745-6688-e-ruil sirellakonoocelain.com or visit www.akron-poroxisin.com.

For more information about GFC Kilns, centact 3175, Victoria, Australia: (61) 3-9792-5211; fee 951) 3-9792-5605; e-mail gfr@gfskins.com.au

or visit www.glckiins.com.au. **Perferences**

1. Paschen, Stephen H., Molding a Legacy: The Alexer Porcelain and Plantics Company, 1989, p. 11. 2. From the company history section at www.akronporcelain.com. Balah Buark is a moldered professional engineer

About the Author

with degrees in ceramic engineering and business. and 28 years of experience in the commic industry. He formed Buark Engineering Inc. several years ago and seves as a technical consultant to a number of ceramic manufacturers and kiln companies, including GFC Kilms. He is dedicated to assisting coversleading kiln assissis efforts, providing training expertise, and improving spesitions. Rusik can be number of supplemental compact of softee at you runkers/needing.com.