

## Flared Cage Mill Shale and Clay Application

### TERTIARY CAGE MILL INSTALLATION



# APPLICATION SPECIFICATIONS

## APPLICATION NO. 1525

Subject: F-50D10-47X Flared Series Cage Mill  
Location: Albany, New York

## PRODUCT SPECIFICATIONS

Material: Shale and Clay  
Capacity: 80 tph (rated at 100 tph max.)  
Moisture: 2% to 9%  
Bulk Density: 90 lbs. to 100 lbs. per cu/ft  
Feed Size: 80% -9 Mesh Shale and 20% 3/8" to -1/2" Clay  
Products: Raw feed to brick-making pug mill  
Model: Flared Series Two Row F-50D10-47X  
Horsepower: 200 hp and 150 hp

## REASONS FOR PURCHASE

Increased demand for molded brick moved this customer to update its plant for greater capacity and reliability. A state-of-the-art, 100 tph two row flared cage mill replaced a double roll disintegrator which had problems with excessive plugging.

## BUYER BENEFITS

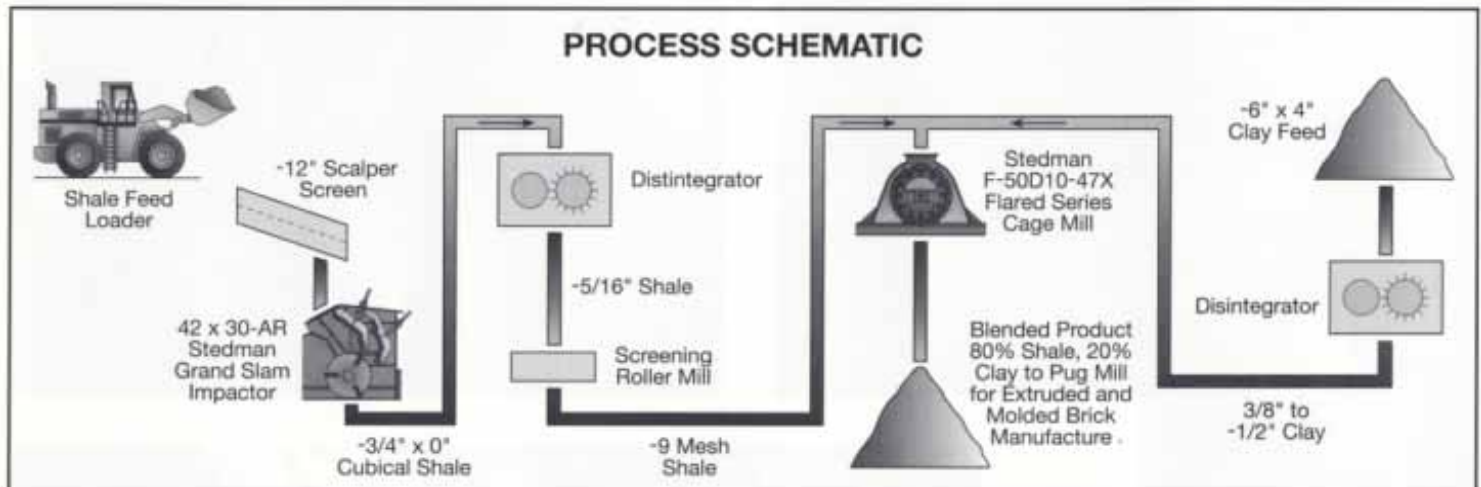
The Stedman Flared Series Multi-Row Cage Mill delivers higher capacity with minimized downtime from plugging and stalling. The new Stedman machine positions this brick manufacturer for up to 30% growth in capacity.

## APPLICATION

Final blending and milling of shale and brown and/or blue clay feed is the primary application. The mill operates at 950 rpm with a 150 hp motor on the inner cage and a 200 hp motor on the outer cage. The F-50 runs two 10 hour shifts per day.

## PLANT ARRANGEMENT

The Stedman F-50D10-47X Flared Series Cage Mill accepts 80% -9 mesh shale from a screening roller mill and 20% brown and/or blue clay feed from a disintegrator. The F-50 blends and reduces the two products for processing in a pug mill into either extruded or molded bricks.



Bulletin: For more information, request Flared Series Cage Mill Catalog No. 604 and Grand Slam Impactor Catalog No. 610

## TEST PLANT - Select the perfect crusher for your application

Stedman has one of the finest testing facilities available. With over 160 years of experience, many materials already have test reports on file. Whether your material is gravel, limestone, coal, shale, clay, brick or block rejects, call us for a comparison report, or to schedule testing with our selection of full-size equipment.

For a full-scale test, 800-1200 lbs. of your feed material will be required. 55-gallon drums are the most suitable container for shipment and should be clearly marked with your company name. Best routing is to Cincinnati, Ohio, and then through Aikins Lines, Inc. to Aurora, Indiana. Ship prepaid to: Stedman Machine Company, c/o Test Center, 108 Indiana Ave., Aurora IN 47001.



Originator of the Cage Mill

SINCE 1834

# STEDMAN

# 1-800-262-5401

STEDMAN MACHINE COMPANY • P. O. BOX 299 • AURORA, INDIANA 47001 • PHONE 812-926-0038 • FAX 812-926-3482

Printed in U.S.A.

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