

Pigment Production

INDUSTRIAL FILTRATION | IRON OXIDE FILTER | IRON OXIDE PRODUCTION

Bayer (Lanxess) Corporation

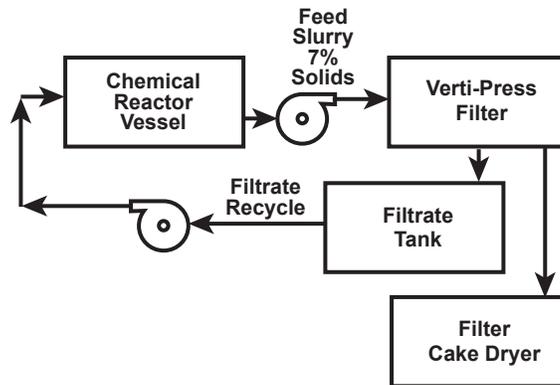
PRODUCT USED:

Verti-Press Automatic Filter Press



END USER:	Bayer (Lanxess) Corporation (Specialty)
LOCATION:	West Virginia, USA
UNITS:	(1) VP-100-7(8) - Hastelloy C-276, AL6XN
RATE:	25 Million Pounds/year pigment production
PROCESS:	Filtering, PH adjusting, washing, and dewatering of yellow iron oxide pigment

IRON OXIDE FILTRATION-PROCESS FLOW DIAGRAM



MORE INFO

The Bayer (Lanxess) facility produces Red, Black, and Yellow Iron Oxide pigment for use in productions of paints and colorants. Bayer (Lanxess) takes waste irons produced from the steel making process and implements a propriety process to crystallize the slurry in a tower back reactor.

The Verti-Press filter is the key device implemented in this iron oxide production process as it filters, ph adjusts, washes, and dewateres this specialty chemical product.

Previous to installation of the Verti-Press Filter, Bayer (Lanxess) utilized rotary vacuum drum filters to filter, wash, and dewater the product. After conducting an extensive engineering study, and testing a variety of pieces of equipment, the Verti-Press was selected as the best available technology to improve their iron oxide filter process.

Two key features of the Verti-Press filter that gave this product the technical advantage during the extensive evaluation were:

Its ability to efficiently wash the product via the robust plug flow wash design.

The chamber isolation feature which allows the unit to continue to operate with any permutation of chambers offline.

These two advantages of our iron oxide filter system maximize production rate, and allows the end user to produce a pure, quality product, as quickly, and as efficiently as possible.

Give us a call for your free consultation, 248-427-9090. We promise, 100% guarantee the Verti-Press will help you avoid frustrating filtration headaches.