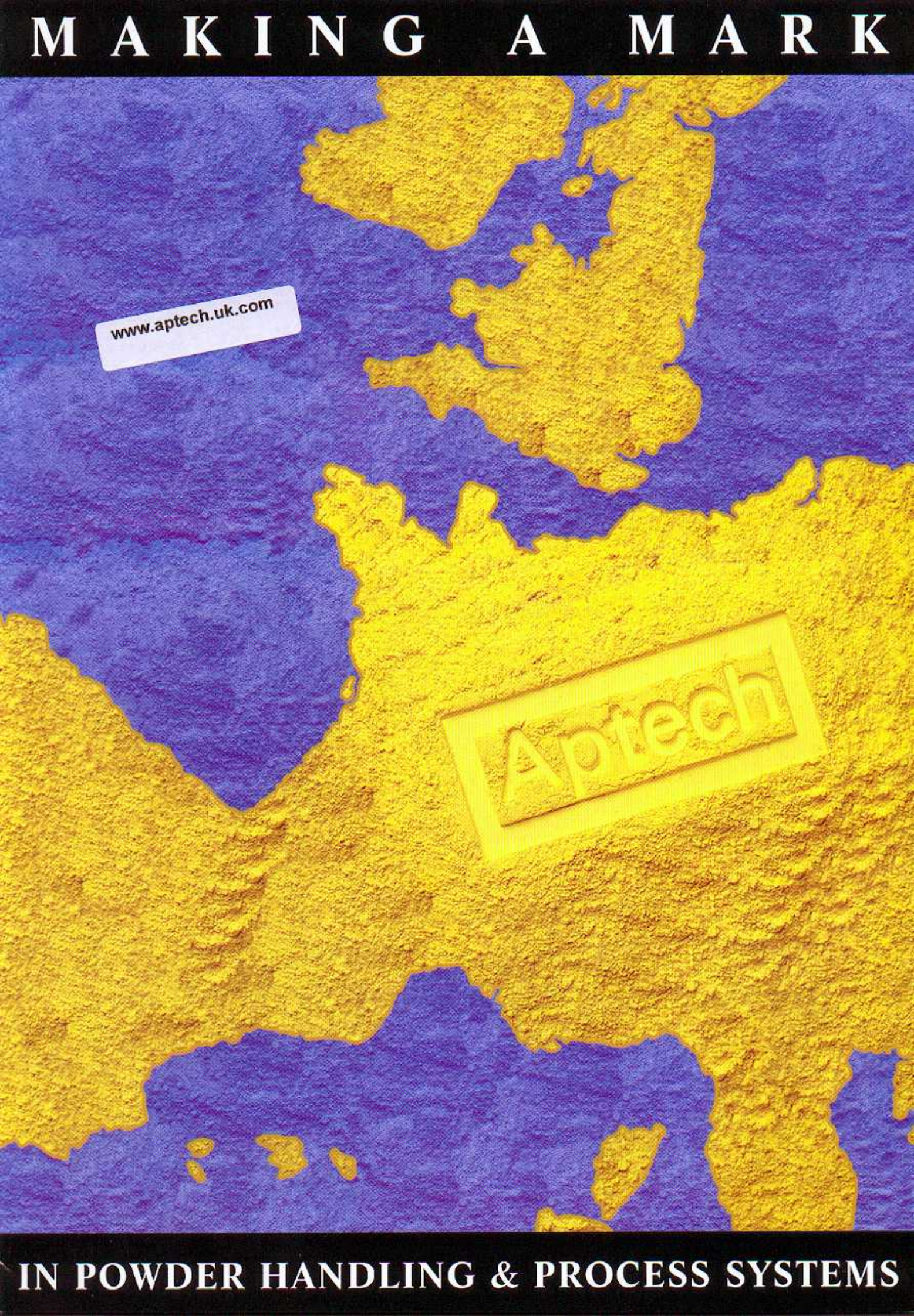


MAKING A MARK



www.aptech.uk.com

Aptech

IN POWDER HANDLING & PROCESS SYSTEMS

MAKING A THE PROCES

THE COMPANY



Aptech was established in the UK in 1979, specialising in the design, supply and installation of process systems and equipment for powder handling and liquid agitation.

Aptech supply equipment to various industries throughout the world and currently 30% of our business is overseas. Our customers range from large international corporations to small private specialist producers in industries as diverse as chemical, food, water, rubber, plastics, pharmaceuticals and paper.

We operate from modern premises in Market Harborough, with assembly, manufacturing and testing facilities attached - producing a wide range of products and components for the process industries.

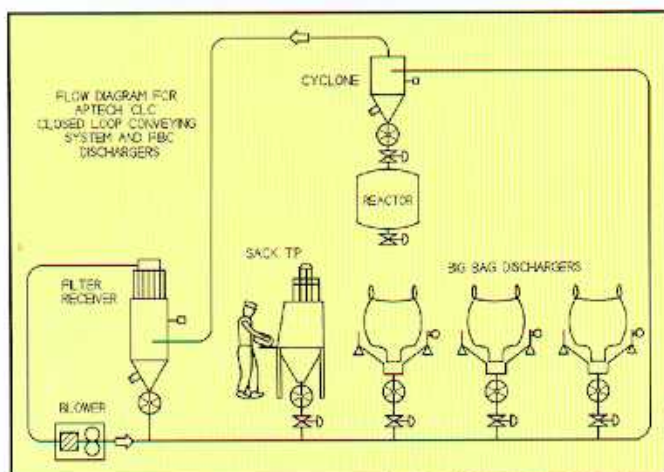
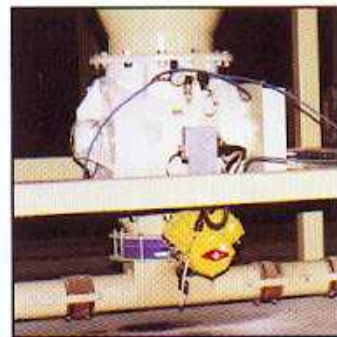
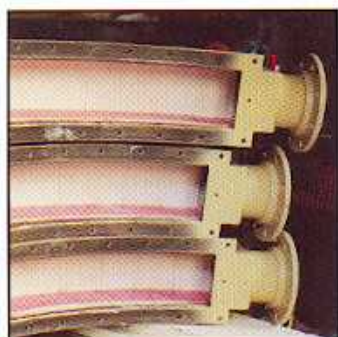
THE PRODUCTS

Aptech have a comprehensive range of products which have been engineered to suit specific applications using the latest technology. Industries handling bulk raw materials including powders, granules, slurries and liquids will benefit from Aptech's technically advanced yet cost effective solutions which encompass the following disciplines:-

- **PNEUMATIC CONVEYING**
- **POWDER STORAGE AND DISCHARGE**
- **POWDER WEIGHING AND FEEDING**
- **SLURRY MAKE-UP AND METERING**
- **LIQUID AGITATORS**

A MARK IN S INDUSTRY

DESIGN AND BUILD



Our team of skilled project and design engineers have the knowledge and experience to provide the right solution to meet your process requirements.

Assisted by full CAD facilities and the latest computer technology, we offer a total design and build service with the highest standards of craftsmanship, engineering management and service.



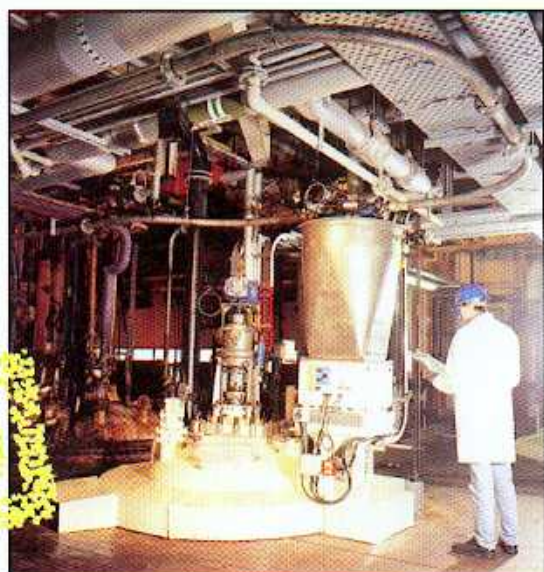


MAKING A MARK IN PNEUMATIC CONVEYING

Aptech specialises in lean phase pneumatic conveying and can offer three types of system to suit process requirements:-

VACUUM CONVEYING

The basic vacuum conveying system employs a metering device at the inlet; a pipeline; receiver; vent filter and an exhaustor. Conveying rates are limited due to the negative pressure that can be created by different exhaustors.



PRESSURE CONVEYING

The conventional lean phase pneumatic conveying system uses a blower; metering valve; conveying pipeline; receiver and vent filter and can operate at higher pressures than vacuum conveying systems, resulting in higher conveying rates per pipe size.

CLOSED LOOP CONVEYING

The closed loop system of conveying in a sealed circuit of pipe has distinct benefits for conveying Hygroscopic and Hazardous products. Benefits include the system remaining dry and sterile at all times and total confinement for toxic products. Operating limits are similar to those for lean phase pressure conveying.

(For more detailed information, please ask for our current leaflets on Pneumatic Conveying)



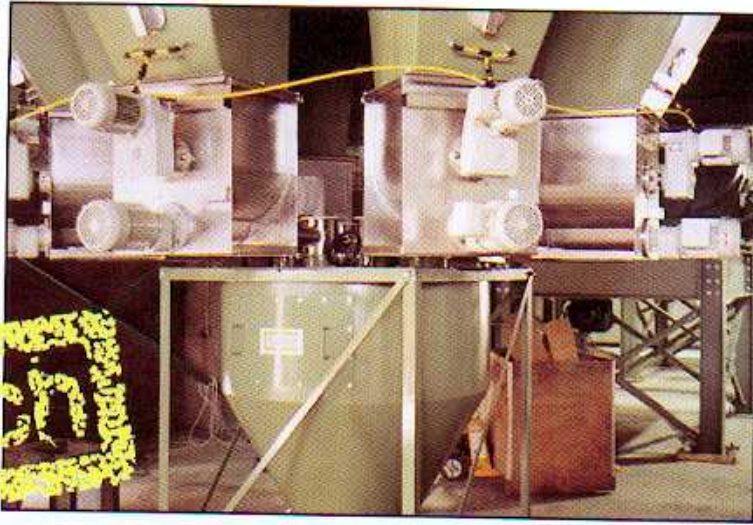
MAKING A MARK IN POWDER STORAGE AND DISCHARGE

Aptech can provide creative ideas and products for powder storage and discharge problems:-

- **HOPPERS AND SILO STORAGE**
- **FEEDING AND DISCHARGE DEVICES**
- **FIBC (BIG BAG) FILLING AND EMPTYING**
- **SACK AND DRUM TIPPING**

Aptech is the sole UK agent for EMDE INDUSTRIE-TECHNIK, a leading German manufacturer of bulk powder handling equipment which is supplied throughout Europe - please ask for further information.





MAKING A MARK IN POWDER WEIGHING AND FEEDING



Our experience ensures the right system is installed for assured results:-

- **WEIGH HOPPERS, BATCH WEIGHING, LOSS IN WEIGHT SYSTEMS**
- **AUTOMATED WEIGH & FEED CONTROL SYSTEMS**
- **VOLUMETRIC FEEDERS AND DOSING SCREWS**
- **EMDE FLEXIBLE SPIRAL CONVEYORS**





MAKING A MARK IN SLURRY MAKE UP AND METERING

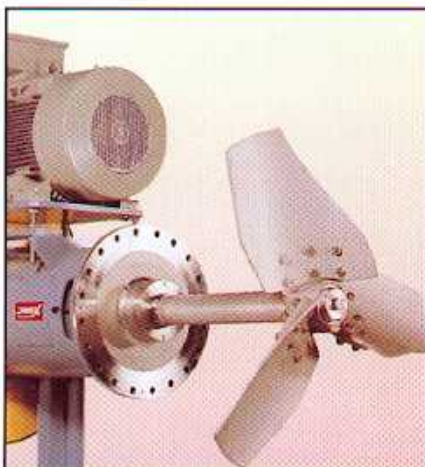
Our successful track record in the slurry handling field has ensured that our products are widely used in the brick industry and we are making great headway into the important area of lime slurry handling for the water industry:-

- POWDER DISCHARGE AND WEIGHING SYSTEMS
- MIXING AND STORAGE TANKS
- AGITATORS AND SLURRY MAKE-UP
- TRANSFER AND METERING



MAKING A MARK IN LIQUID AGITATORS

Aptech markets a top quality range of liquid mixers, tanks and process equipment manufactured by Vaahto for applications in the chemical, food, pharmaceutical, water treatment and pulp and paper industries:-



- TOP ENTRY AGITATORS
- SIDE ENTRY AGITATORS
- TANKS / REACTORS TO ASME8 & BS5500

APPLICATIONS:-

Mixing; Suspending; Heat transfer; Gas dispersion

MATERIALS:-

Stainless steel; Titanium; Hastelloy; Incoloy

(For more detailed information, please ask for our current leaflets on Liquid Agitators)

A TOTAL SOLUTION



MAKING A MARK IN THE PROCESS INDUSTRY

Aptech's objective is to provide a cost effective system tailored to meet the customer's specific needs within the process industry, in the following areas:- pneumatic conveying systems; powder storage and discharge; powder weighing and feeding; slurry make-up and metering; liquid agitators.

APTECH CAN OFFER COMPLETE TURNKEY MANAGEMENT:-

- | | | | |
|-----------|-----------|--------------|--------------|
| ● DESIGN | ● PROCURE | ● INSTALL | ● MECHANICAL |
| ● TESTING | ● SUPPLY | ● COMMISSION | ● ELECTRICAL |
| ● BUILD | ● DELIVER | ● SERVICE | ● CONTROL |



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MAKING OUR MARK IN EUROPE