IBAU HAMBURG

Dry Mortar Product Handling

Material Analysis, Plant Design, Engineering
Premium technology in a perfect flow
We offer you: The complete process for your Dry Mortar Handling
To create a clean and profitable product and safe transportations under any circumstances

From the first sketch to commissioning and maintenance:
IBAU HAMBURG covers the entire process. From raw material analysis up to packing and truck loading

The deal:
We deliver the complete process and monitoring of your production and of your product. And your users receive a clean and precisely weighed product, storable in all weather conditions.

How?
We offer you a perfect flow of premium technology from five world leaders in providing quality:
IBAU HAMBURG
HAVER NIAGARA
HAVER & BOECKER
NEWTEC BAG PALLETIZING
HAVER AUTOMATION

Together we reach new levels of efficiency.

We find the most cost-effective solution for your project!

Market research
Conduct market researches to define mortar consumption potentials, identifying:
- Competitors
- Customers
- Distribution channels
- Realizable prices
- Possible growth opportunities

Work organization
- 2 weeks: Mapping of information sources
- 3 weeks: Capture of relevant information
- 1 week: Data analysis
- 2 weeks: Final report

Raw Material Analysis
Support in selection of raw materials
- Adequacy and/or assortment of sand
- Characterization of binders, fillers, cements and additives
- Developing a mortar formula
With the know-how from IBAU HAMBURG: Sizing of Dry Mortar Plants and Types of Dry Mortar Mixing Plants

The business field „Dry Mortar Plants“ of HAVER & BOECKER:

- Mineral Processing
  - HAVER NIAGARA GmbH
- Palletizing and Truck loading
  - NEWTEC
- Packing Machines
  - HAVER & BOECKER Business Unit Building Materials and Minerals
- Automation
  - HAVER AUTOMATION

Small Plants
Main characteristics:
- Simple
- Low cost
- Pilot plants

Mid-sized Plants
Main characteristics:
- Flexible
- Economic
- Basic Products

Large Plants
Main characteristics:
- Very efficient
- High Quality
- Large Variety
We design and supply the Mortar Plant of tomorrow in full compliance with project requirements, timetables and costs.

Our advantage is experience:

Only a single contact for the client with the project leader.

No imperfections:
- Single contact for the client with the project leader
- Overall engineering by the project leader
- Direct communication between the technology providers
- Overall automation concept

Perfect in form:
- Complete plant design in 3D
- Latest state of the art technologies
- Direct communication between the technology providers
- Purely first class European suppliers

Functional & efficient:
- World leading companies in screening, packing, blending & storage solutions
- More than 125 years of experience in material handling
- Wide range of product application

Economic:
- Customized solutions based on the clients requirements
- Complete technology available inside the company
- Combination of 1st class equipment & services with economical local solution

Perfect in form: Complete plant design in 3-D
Compact solutions: Efficiency without compromises
Market Analysis, Plant Design, Engineering from one hand: New efficiencies for the Mortar Plant of tomorrow
The IBAU Monolithic Mortar Plant: Better Quality, Higher Efficiency and High Market Value
The center of the plant are the advanced IBAU Residue-free dosing systems, an excellent premium technology for compact solutions.
All mixing systems are incorporated in the mixing tower of the Original IBAU HAMBURG Central Cone Silo

- Mixing paddles arrangement
- Batch-type mixer
- Residue-free batch-type mixer
- Discharge bin solutions
- Flow-through mixer
- Batch-type mixer with chute discharge
Drying, Crushing and Screening with the HAVER NIAGARA System: World wide experiences

- Sand Dredge
- Rock Quarry
- Washing
- Crushing
- Drying
- Screening

Mortar Plant

Drying, Crushing

Screening
HAVER AUTOMATION: Transparent Process control with the HAVER QUATRO System Solution

Three key points for a perfect flow:
- QUATRO - PCS: Process Control
- QUATRO - BMS: Batch Management
- QUATRO - PCS: Dispatch System

The advantage:
- Linking the technologies to a complete system
- Organization of the movement of goods
- Creation of transparency in production and storage
- Providing the data for service and business models

QUATRO - PCS: Process Control

Always informed:
- Central operation and monitoring
- Transparent production
- Fast troubleshooting through detailed information

Innovation: On mobile devices

QUATRO - BMS: Batch Management

Always the best quality!
- Integration into existing mixing plants
- Documentation of production data and stock of raw materials and finished products
- Data exchange with other applications/ERP

Innovation: Easy operation through configuration of basic and control recipes

QUATRO - PCS: Dispatch System

Traffic and goods are in flow!
- Organization of traffic
- Proof of all shipping activities
- Avoidance of loading error
- Reduction of waiting times

Innovation: Web application
Filling and Packing with the H A V E R Building Materials and Minerals unit: Solutions from a world market leader

The H A V E R ADAMS can have 1 to 10 filling spouts depending on the product and the required capacity, max. 2000 bags/h of waterproof PE bags can be filled.

The H A V E R ADAMS: Technology for filling powder products into airtight PE bags

The H A V E R ADAMS PE bag:
- Clean
- Compact
- Weatherproofed
- Beautiful

For bags of 5 to 30 (50) kg

High efficient engineering: The H A V E R ROTOPACKER

Demands on a Packing Machine:
- High capacity
- High filling level
- Improved cleanliness
- High weight accuracy
- Automatic operation
- Flexibility
- Low maintenance

The finest and most effective packing machine ever designed
Our Efficiency means: Productivity, through Suitability and Versatility

Palletizing Systems and Bag loading solutions from NEWTEC BAG PALLETIZING

All type of products
Cement, dry mortar, glue, calcium carbonate …

All bag weights
From 5 to 50 kg

All types of bags
Paper, FFS, PP, PE, valve, open mouth, …

All types of patterns
From 2 to 23 bags/layer

All types of pallets
Euro, CP1, CP4, wood, plastic, …

All types of capacities
100 to 5000 bags/hour

With NEWTEC Palletizers you have…
- Higher efficiency
- No waste of time, more production
- Less manpower
- Sales increase
- Less waste & damage
- More efficiency

... and never more:
- Lost sales
- Lost profits
- Angry customers
- Lost production opportunities
- Limited storage capacity
With the HAVER Automatic truck loading at the last step in the HAVER Processing chain: Speed, rentability and flexibility

The HAVER Automatic truck loading allows the automatic loading of palletized bagged goods onto open truck beds and trailers.

- Total Speed of 260 t/hr
- Fully automatic loading cycle
- 2 truck lanes
- Lane change in 11 sec
- All conventional pallets can be handled
- Combination of direct loading/stocking is possible
- Split loads possible (simultaneous loading of trucks from palletizer and from stock)
- Electromechanical moving processes without pneumatics and hydraulics

Loading of pallets

Automatic loading of pallets onto trucks
Together we are able to build the Dry Mortar Plant of tomorrow

Processing, Storage, Mixing, Filling, Packing, Palletizing, Loading, Automation

The complete production line from one hand. We cover the entire process, from row material analysis up to packing and truck loading

- The complete silo technology
- The complete mineral processing
- The best packing machines
- The most advanced automation
- The fully automatic loading

IBAU HAMBURG is your efficient partner for economic solutions

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