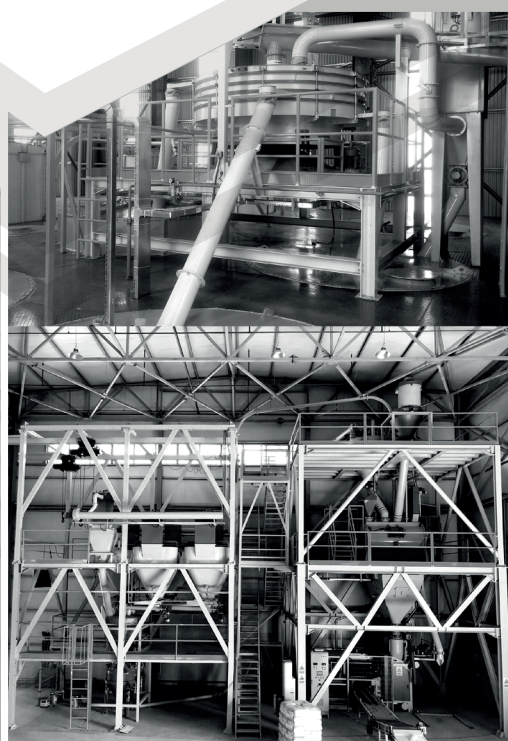




**VARLIK
MAKİNA**
SOLUTION ENGINEERING

SINGLE SOURCE, COMPLETE SOLUTIONS

- Concrete additives
- Adhesives and sealants
- Protective coatings



CONSTRUCTION
chemicals production plant



VARLIK MAKİNA ABOUT US

Varlık Makina is a worldwide leading manufacturer of Dry Mix Construction Chemicals plants and equipment. We establish turnkey plants for different industry, especially dry mortar, Chemical, Mining, Gypsum, Cement, Building Materials, Food and Flour etc.

Our solutions include Drying, Sieving, Dosing, Mixing, Packing, Palletizing and Stretching based on unique experience and know-how of Varlık Makina engineers. Our solutions provide sustainable efficiency into your system.

Varlık Makina also Designs and Manufactures End of Line Solutions Valve Bag Filling Machines, High Level and Robot Palletizers, Stretch Hooders for various sectors such as Cement, Chemicals, Mining, Gypsum, Flour and Food industries. Varlık Makina Dry Mortar Plant is playing crucial role in modern mixing of construction chemicals.

Varlık Makina always meets customer's special requests and guides them to find most suitable solutions for their facility. Varlık Makina **TURNKEY PLANTS** serve the best practice at every step such as quotation, design, production, quality, logistic, installation, training, aftersales, spare parts and technical support with high knowledge and experience.

Common usage areas:

- CHEMICAL
- MINING
- GYPSUM
- CEMENT
- BUILDING MATERIALS

REFERENCES

VARLIK MAKİNA



TOWER TYPE

DRY MORTAR PLANT



SCAN ME

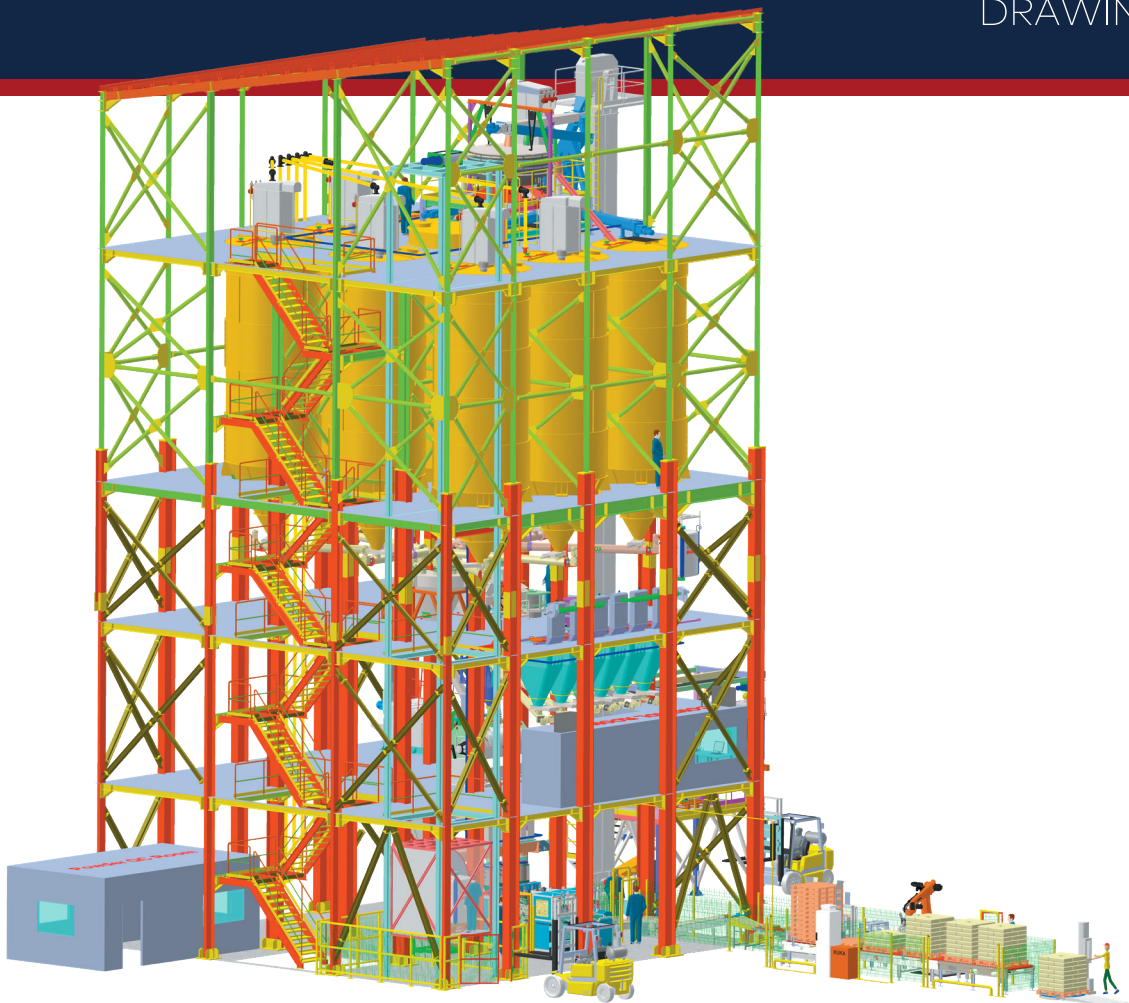



Tower Mortar Plant, is designed according to vertical raw material flow from silo to weighing hopper-mixer-packing machine. This type is preferred by our customer due to its high productivity in limited area.


Tower type mortar plants offer compact design with higher storage capacity for wide range of raw materials. Tower Type Mortar plants, provide you to produce high tech engineering products at higher capacity.

All the equipments and machines are stored indoor, therefore, plant has less impact from environment. Tower mortar plant provides product variety with high storage capacity in production. Tower Mortar Plants provide you to decrease operation cost with it's gravity flow design.






30-120
TON/H
CAPACITY


30-35
METER
HEIGHT


200-600
M²
AREA

ADVANTAGES

Higher Capacity	Lower Footprint Area	Compact Design	Suitable For Engineering Product
Wide Range Of Chemical Additives Storage Availability	Lower Operational Cost	Less Environment Impact On Equipment	

VERTICAL

DRY MORTAR PLANT

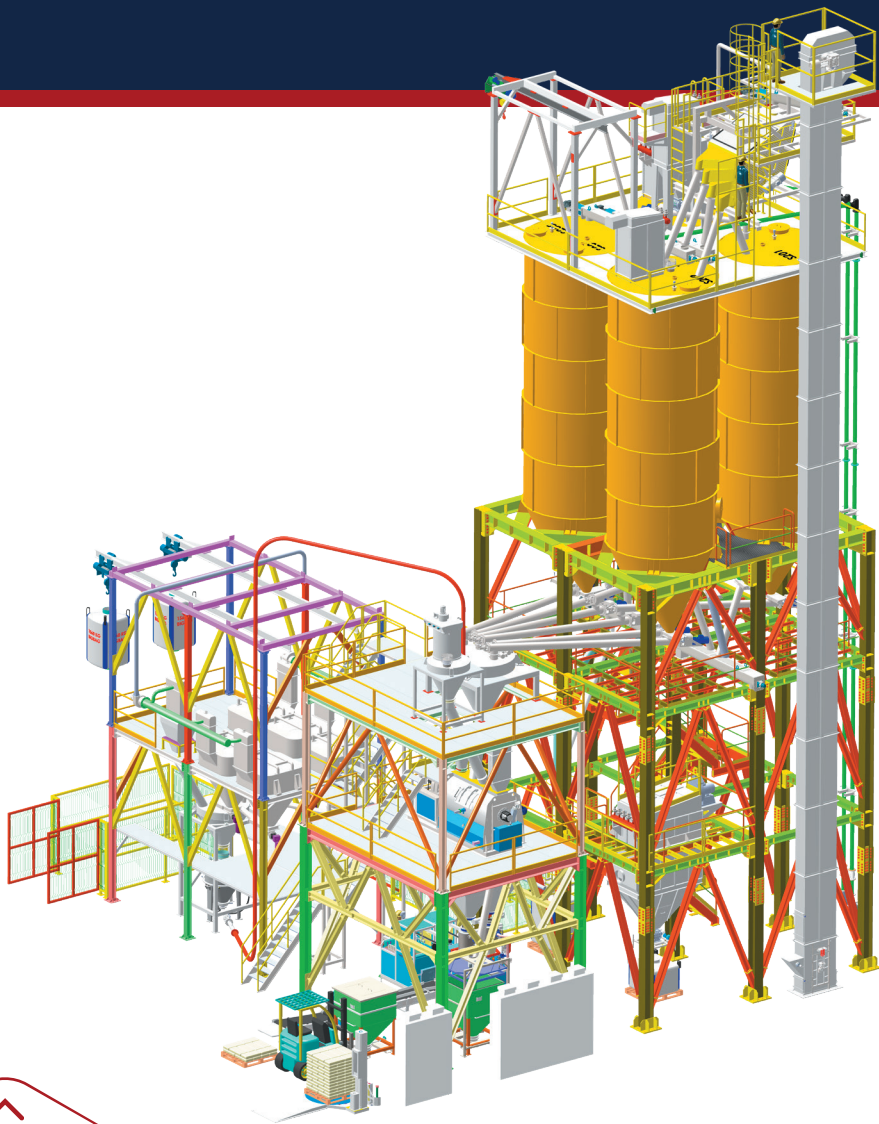


Varlık Makina provides special solutions to the customers with Vertical Mortar Plant. It enables to reach all their needs with full solution A-Z from single source.

Vertical Mortar Plants include Feeding processes, Drying processes, Sieving, Handling systems, Storage Solutions, Dosing Systems, Mixing Systems, Packaging, Palletising and Stretch Hooding.

Varlık Makina Designs and manufactures vertical flow plants (without Tower concept) by increasing the height of the silos. Raw materials flow from silos to weighing hopper-mixer-packing machine by gravity.





10-30
TON/H
CAPACITY



12-15
METER
HEIGHT



500-1500
M²
AREA

ADVANTAGES

Medium to High Capacity	Shorter Installation Time	Easier to Expand The Capacity	Suitable For Engineering Product
Comparing to Tower Plant Lower Construction Cost	Easy Civil Work	Easy Project Management	Lower Operational Cost

HYBRID

DRY MORTAR PLANT




Varlık Makina provides special solutions to customers with Hybrid Mortar Plant. It provides to reach all their needs with one solution, one plant in many functions. Hybrid Mortar Plants include Feeding -Drying - Sieving processes, Handling systems, Storage Solutions, Dosing Systems, Mixing Systems, Packaging, Palletising and Stretch Hooding.

Hybrid Mortar Plant is designed and established based on customer's area and requirements with different processes. Varlık Makina always design durable and long-lasting Mortar Plants with expert engineering. Hybrid Mortar Plant is easy to operate with userfriendly system.






10-30
TON/H
CAPACITY


12-15
METER
HEIGHT


500-1500
M²
AREA

ADVANTAGES

Lower
Construction
Cost

Easy Civil
Work

Short Project
Lead Time

Medium To High
Capacity

Flexible Project
Design

Tailormade
Localization

Easy To Expand
The Capacity

MINI

DRY MORTAR PLANT



SCAN ME




It is a mortar mixing type that offers a quick and easy solution thanks to its basic design. It can be managed by your product range with low investment cost. It helps you quickly to start business by short delivery time. It can be installed easily to the existing buildings and if needed easily relocated to another locations.

For higher capacity requirements, hybrid, vertical and tower plants are preferred.






3-10
TON/H
CAPACITY


6-10
METER
HEIGHT


200-500
M²
AREA

ADVANTAGES

Easy to Relocate

Low Investment
Cost

Very Easy to
Operate

Suitable
for Manuel
Operation

Short Delivery
and Installation
Time

Suitable for
Satellite Plant

Can be Installed
Easily to Existing
Buildings

GYPSUM PLANT



SCAN ME



Varlık Makina is your most comprehensive solution partner for the processing of natural or synthetic gypsum.

Varlık Makina has over 40 years of know-how, an efficient design capability and offices, and state-of-the-art gypsum kiln technologies to offer you turnkey gypsum-based production facilities.

Besides the traditional rotary gypsum kiln, we offer vertical gypsum kilns that provide innovative, economical and high quality product.

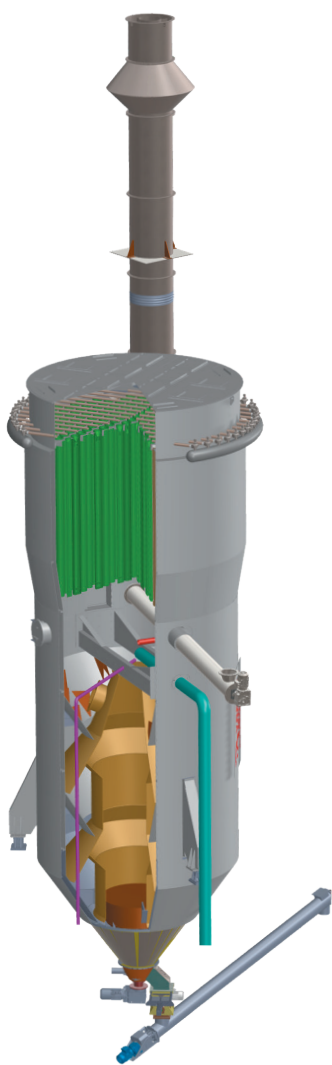
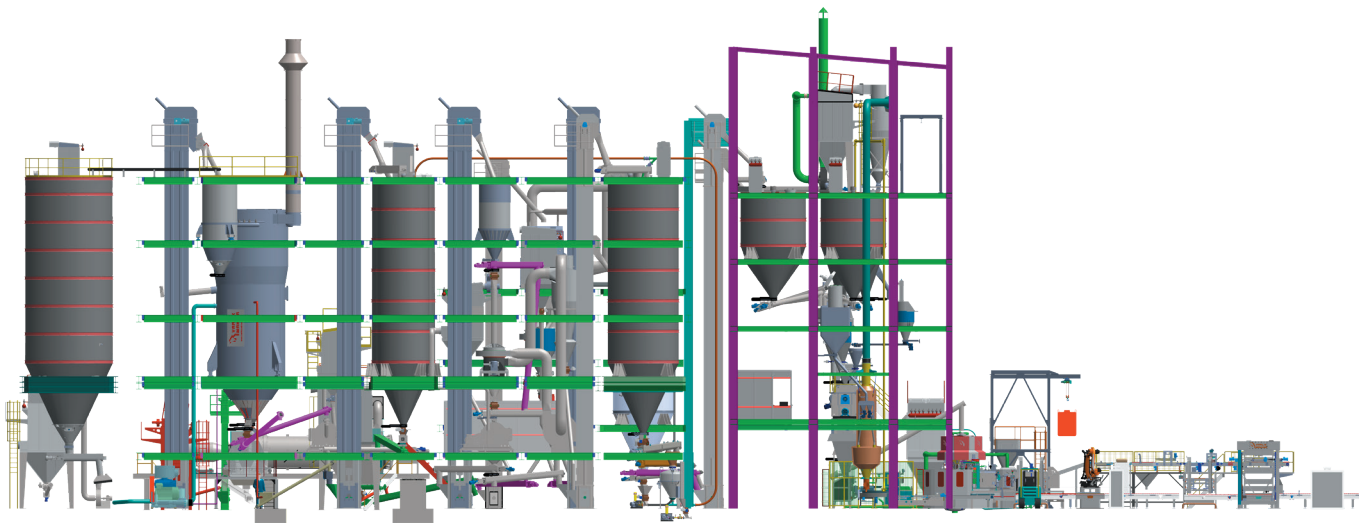
The vertical gypsum kiln takes up less space, can be easily integrated into an existing unit and has no moving mechanical parts.

The material (gypsum) is naturally fired by the air continuously injected into the kiln during the cooking of the gypsum and there is no mechanical wear, so maintenance is almost nonexistent.


Our expertise and technical know-how, with this type of gypsum calcination kiln, offers you the opportunity to save 30% in your gas consumption with high gypsum strength while optimizing the quality.

Varlık Makina produces a complete solution starting from the processing of gypsum to the production of the final product by calcining, grinding and separating the gypsum with the latest technology.






VERTICAL GYPSUM KILN



7
TON/HOUR
CAPACITY



UP TO
100
TON/HOUR
CAPACITY

ADVANTAGES

Low Energy Consumption	Easy Installation	Low Maintenance And Repair Cost
High Efficiency	Effective Process Control	Minimized Covered Area
High Gypsum Strenght		

DRYING AND SIEVING PLANT

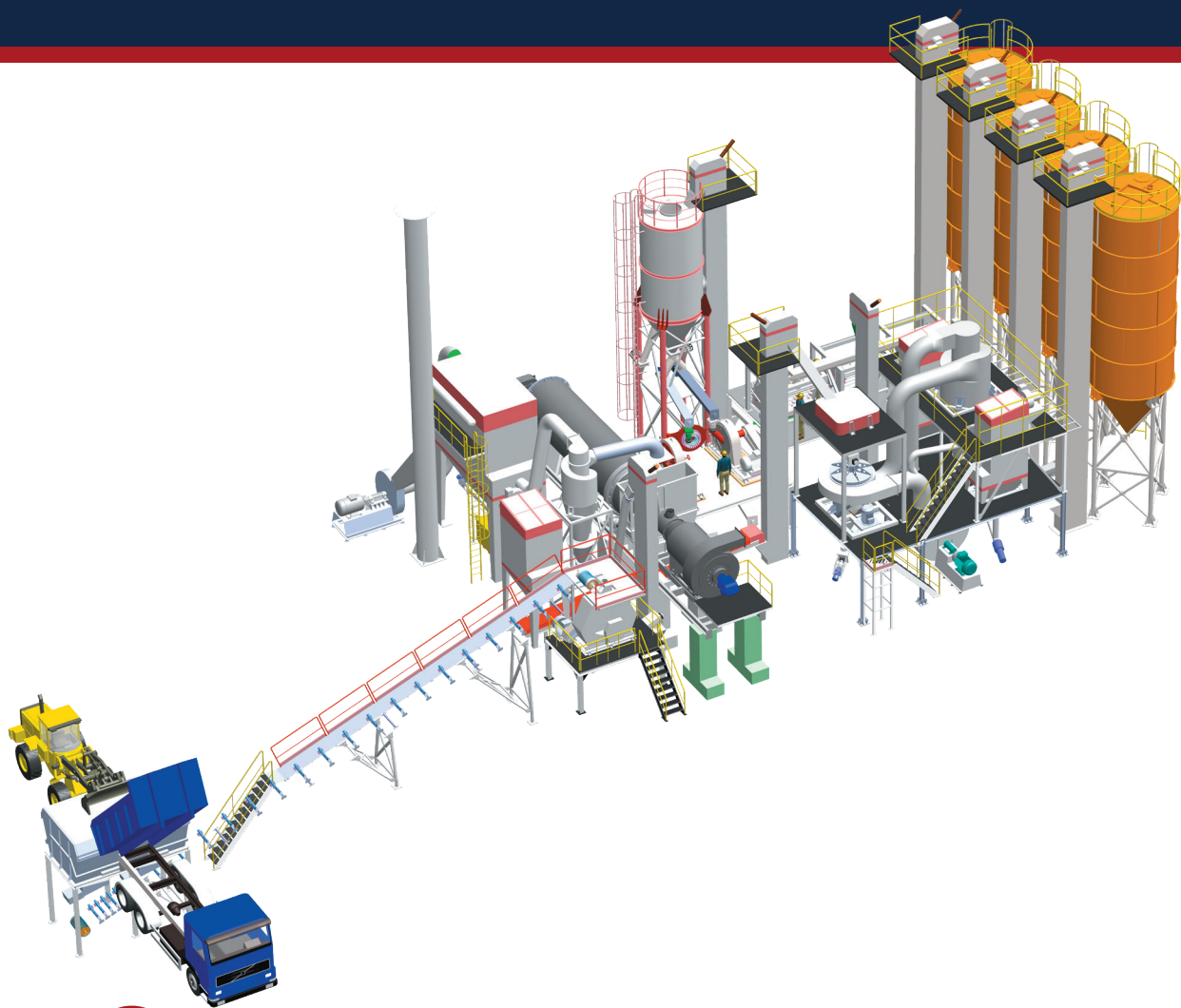


The quality and sustainability of the properties for sand such as dryness and dimension are very important for Construction Chemicals producers. However, a manufacturer that has self-sufficient full-fledged facility can produce its own sand will make a difference compared to its competitors. At this point, the drying and sieving facility produced with the quality of Varlık Makina offers you a real solution.

The whole system works fully automated by indicators at critical points. Drying can be done up to maximum diameter of 30 mm. It is filled into silos or big bags by sieving up to fine grain sizes (100-200-300 microns) and becomes ready to use as raw material in the facilities. It is an environmental friendly facility with a design that minimizes material loss. It performs long-lasting durable structure.

Varlık Makina is always with you for technical support and spare part by after sales services.





5-50
TON/H
CAPACITY

7
METER
HEIGHT

200-500
M²
AREA

ADVANTAGES

Low Energy Consumption	State of the Art Design	Wide Capacity Range	Tailormade Design
Effective Process Control	Low Maintenance and Repair Cost	Rebust Design With Long Life Operation	Suitable to Operate With Variety Fuels
	Environment Friendly Dust Free Operation	Drying Operation up to 30mm	



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