

COMACO

ASPHALT MIXING PLANTS

OUR EXPERIENCE – YOUR BENEFIT



COMACO

COMACO started during the seventies of the last century, selling and erecting WIBAU asphalt mixing plants in the Near and Middle East.

THE COMPANY



The decades of gained experience pay off very fast by guaranteeing the shortest time of interruption of asphalt production and immediate response in case of an emergency.

Since then we have built and serviced some hundreds of various asphalt mixing plants, most of which are still operating today. German Quality Engineering is considered appropriate for the particular climatic conditions in the Near and



Middle East. In the year 2008 we have opened a new production facility in Germany. We are proud to offer a new range of plants, components and services: tailor-made for your requirements. Our new production facility is situated close to COMACO headquarters in Gelnhausen, Germany at a 30min distance to Europe's second largest airport, Frankfurt am Main.

At the new factory we produce standard and customized drying drums as well as mixing towers and finish all other equipment for small, medium and large sized asphalt plants. All engineering know-how and production facilities are in place to produce efficient mixing plants, technically always according to the individual plant necessities.

On top we customize the centerpiece of every asphalt production according to each plant management's individual requirements: our ever-improving computer control.

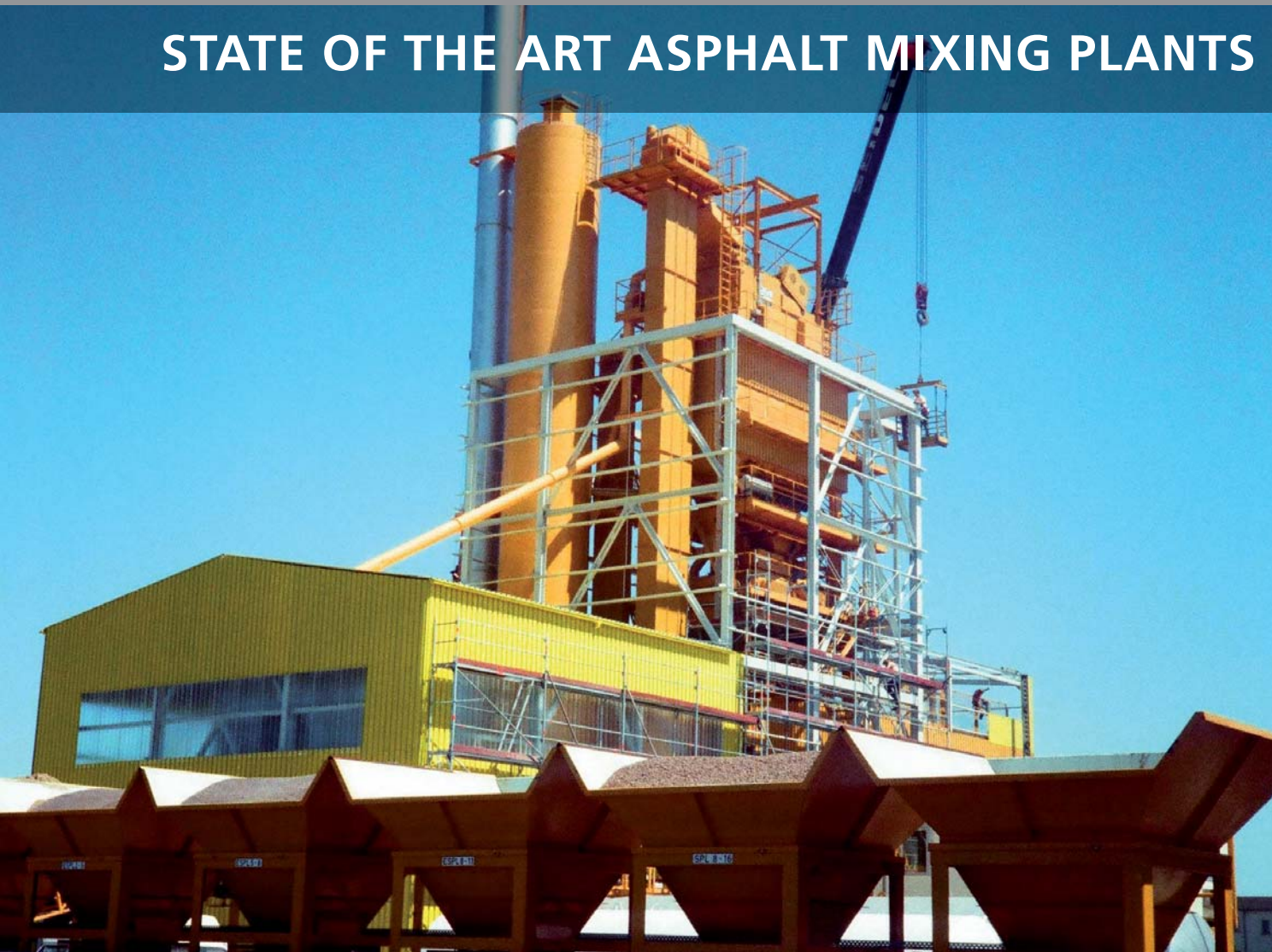
At our stock in Gelnhausen we have continuously an inventory on most urgently needed spare and wear parts for various plants. Services, erection and installation of new components is provided by our own team of engineers, mechanical as well as electrical.

We have projected and implemented a huge number of modernizations, from maintenance to performance enhancement.



Modern asphalt mixing plants are signified by an economic consumption of fuel and electricity as well as an efficient placement of manpower.

STATE OF THE ART ASPHALT MIXING PLANTS



A modern asphalt production relies on state of the art asphalt plant technology to produce high quality asphalt at a minimum of energy consumption and emissions.

- multiple screening units with 4-6 screening decks
- batch production of various asphalt recipes
- computer controlled processes including both remote service and remote control

COMACO offers modern technology: small, medium and full sized asphalt mixing plants. A combination of trusted sturdy steelwork and an intelligent computer control system

PLANT PROFILES



250 t/h
Southern Europe



120 t/h
Middle East



160 t/h
Eastern Europe

ASPHALT MIXING PLANTS

OPTIONS

type / model no.	CO 80	CO 120	CO 160	CO 200	CO 250
capacity (t/h)	< 80	< 120	< 160	< 200	< 250
max. batch (kg)	1.000	1.500	2.000	3.000	3.000
dryer diameter / length	from 1.600 / 6.000 mm to 2.400 / 10.500 mm				
burner monobloc technology	✓	✓	✓	✓	✓
fuel options: oil coal dust, gas / or combi	✓	✓	✓	✓	✓
no. of screening decks	from 4 to 6				
bag filter plant	✓	✓	✓	✓	✓
direct truck loading	✓	✓	✓	✓	✓
optional hot mix silos	from 35 to 600 tons				
transportable	✓	✓	✓	✓	✓

Component	Technology	Range
Cold feeding	frequency controlled	no limits
	RC material	tailorized pitch
Drying Drum	direct drive	up to 250 tons/hour
	frequency controlled	✓
	RC drums	tailorized dimensions
Burner	frequency controlled	7 MW up to 18 MW
	fuel: oil	✓
	fuel: natural gas	✓
	fuel: coal dust	✓
	fuel: combinations	✓
Screen machine	screening	4 up to 6 decks
	adapted mesh sizing	
Fibre/pellet add. system	gravimetric dosing	various volumes
	weighing and dosing	
Mixing	batch mixing	1t up to 3t batches
	direct drives	
Computer Control	control of all actions	all components
	frequency control	drum, burner, dosing
	complete survey	various recipes
	remote control	unlimited storage
Bitumen heating	electrical heating	
	thermal oil heating	
Bitumen tanks	vertical	up to 60 m³ per tank
	horizontal	up to 100 m³ per tank
	stirrer	
	level indicator	
Filler silo	separate silos	e. g. 50 and 50
	combination	e. g. 80/100
Hot asphalt silo	below mixer	30t up to 300t
	side standing	75t up to 300t



COMACO has already executed
a great number of asphalt plant
modernizations.

...in Estonia

MODERNIZATION OF ASPHALT PLANTS



Lithuania: Plant before the modernization.



Lithuania: Plant after the modernization.

Our individual modernizations, upgrades and conversions of asphalt mixing plants of various manufacturers such as AMMANN, ASTEC, TELTOMAT, VIANOVA and of course WIBAU have convinced our customers world-wide.

Process engineering know-how acquired for many decades, our expertise and our entire knowledge is made available to our customers in genuine partnership. The goal of the modernizations is to achieve customer benefits such as environmental friendliness by emission reduction, energy conservation- thus cost savings - and high service life.

Besides modernizations of asphalt plants, based on customer demand, the productive capacity of plants was increased.

Lithuania: Increase of the productive capacity from 80 to 120 t/h

- New dryer with burner
- Hot elevator extension
- New mixing tower
- New bucket elevator with frequency controlled winch
- New dust filter plant
- New control cabin
- New computer control system

- New screen
- New mixing-weighing unit
- Hot elevator extension
- New filler and mineral weighing
- New bitumen supply
- New computer control system
- New burner for fuel oil EL
- Hot elevator extension
- New mixing tower
- New bucket elevator with new frequency controlled winch
- New computer control



Lithuania: Plant before the modernization.



Lithuania: Plant after the modernization.

COMACO

COMACO manufactures respectively delivers all components for asphalt mixing plants starting with an efficient pre-dosing unit through to a state-of-the-art computer control system.

COMPONENTS & OTHER EQUIPMENT FOR ASPHALT



Dryer and Burner

Drying and heating as a compound system constitutes an inseparable unit. By the optimal set-up of the drum flights with the burner, high thermal efficiency and low emission value is guaranteed. The drying drum can optionally be equipped with most modern industrial fuel technology for

nearly all fuels. As maximum of drying, an optimal mineral-mix temperature and a nominal residual moisture is achieved. Low gas rates keep the fines-output (filler) within a limit. Energy conserving insulation

MIXING PLANTS

and optimal sealing to avoid false air are integral components of our drying drums.

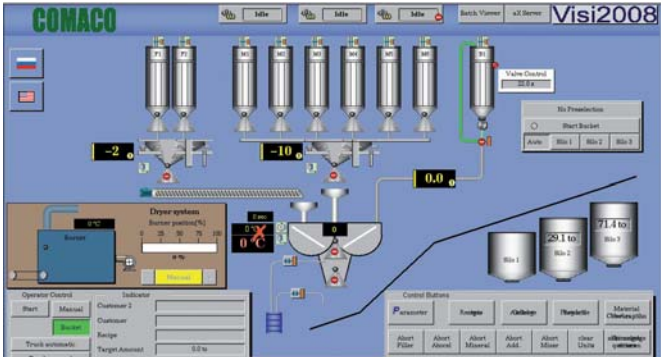


Dust filter plant

The vital necessity, not to burden our endangered environment with more pollutants and the actual guideline to comply with the emission values, ultimately oblige asphalt plant operators to enforce environmentally friendly measures. With the COMACO dust filter plant, not only the operating cost can be reduced, but in consequence of the way of construction, the service life can be increased verifiably.



Bitumen scale



Computer Control System



Fiber granulate dosing unit



Frequency controlled winch

The Company

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