

Always one step ahead...

Concrete Batching Plants

Turn-Key Projects

SERVICE AND  
COMPONENTS FOR  
THE CONCRETE  
INDUSTRY

# About us

## MORE THAN 20 YEARS EXPERIENCE IN THE CONCRETE INDUSTRY

GPE's prime objectives is simply "to provide our clients in the concrete industry a complete range of plants and components together with an excellent after sales service". The recruitment of a combination of high-experienced staff and reliable partners enabled GPE to quickly confirm itself as a leading and well-known supplier for batching plants and components in the Middle East. Together with our unique control system WEBCon we provide the perfect combination to produce all type of concrete.

Today many companies in the Readymix and Precast industry are utilising the GPE product range. GPE has established close relationships with leading manufacturers and suppliers for all kind of components for the concrete industry. All our experience is for the benefit of our customers. What separates GPE from its competitors is the ability to be fair, clear, and honest with our customers.



## OUR SUCCESS

- More than 20 years in the concrete industry
- Turn-key projects
- Innovation Force
- Quality assurance
- Cooperation with high quality suppliers
- Customer service – prompt, reliable, competent

## OUR BUSINESS

- Batching Plants
- Concrete Pumps
- Recycling Plants
- Block Factories
- WEBCon Computer System
- Silos and Silo Equipment
- Twin Shaft and Planetary Mixers
- Cement Screws
- Moisture Sensors
- Load Cells





#### BATCHING PLANTS

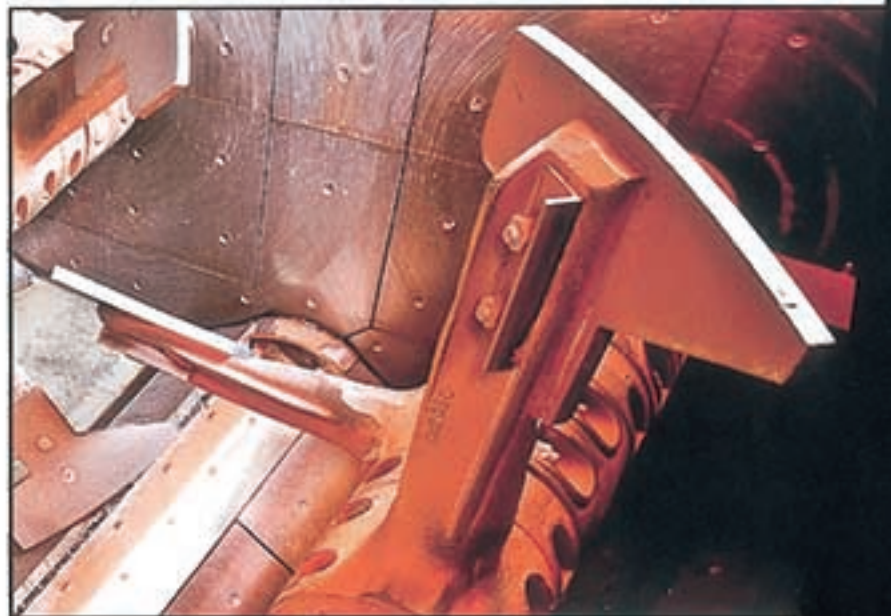
GPE offers the complete range of batching plants for the Readymix and Precast industry starting with a capacity of 30 cbm/h up to 300 cbm/h.

All plant types are available like horizontal or tower plant, plants with wet and dry output leg and also fully mobile plants for easy erection and dismantling. No matter if readymix or precast we have the right solution.



#### SILOS AND SILO EQUIPMENT

Cement silos are available in a large range of capacities, from 23 up to more than 1500m<sup>3</sup>, and diameters from Ø 2500 up to Ø 9500mm.



#### MIXERS AND COMPONENTS

Twin Shaft and Planetary Mixers for the Readymix and Precast Industry.

Further GPE offers all components and services for the concrete industry.









## BATCHING PLANT GPE 120-6-3-1

Production capacity 120cbm/hr.

Dry-bypass

Total aggregate storage 220cbm in 6 boxes

Total cement storage 900ton

Microsilica storage 80ton

Twin Shaft Mixer 3cbm output

2 Weighing belt

1 Inclined belt conveyor

Underground version

WEBCon control system





## BATCHING PLANT GPE 150-5-4

Production capacity 150cbm/hr

Dry-bypass

Total aggregate storage 175cbm in 5 boxes

Total cement storage 600ton

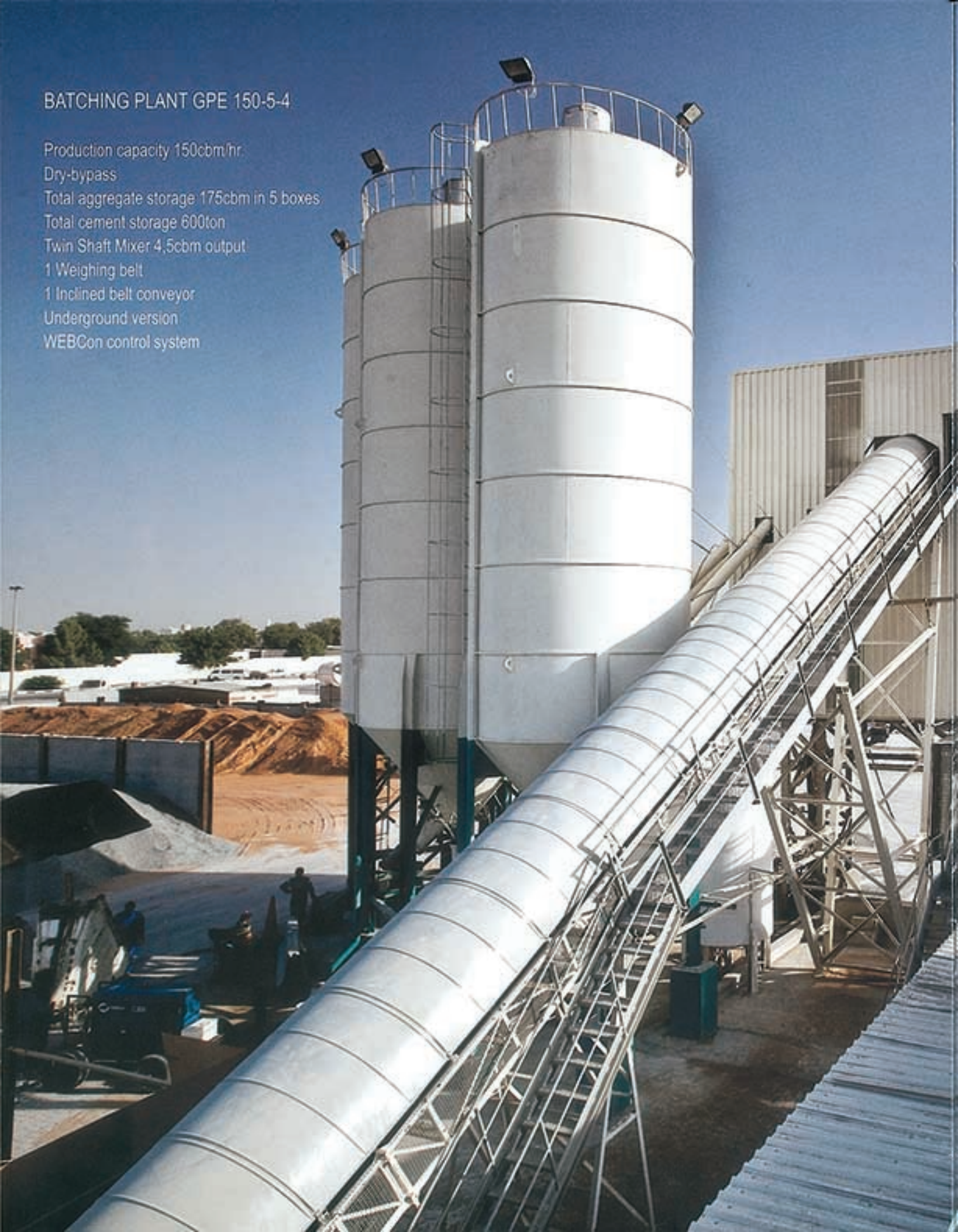
Twin Shaft Mixer 4,5cbm output

1 Weighing belt

1 Inclined belt conveyor

Underground version

WEBCon control system



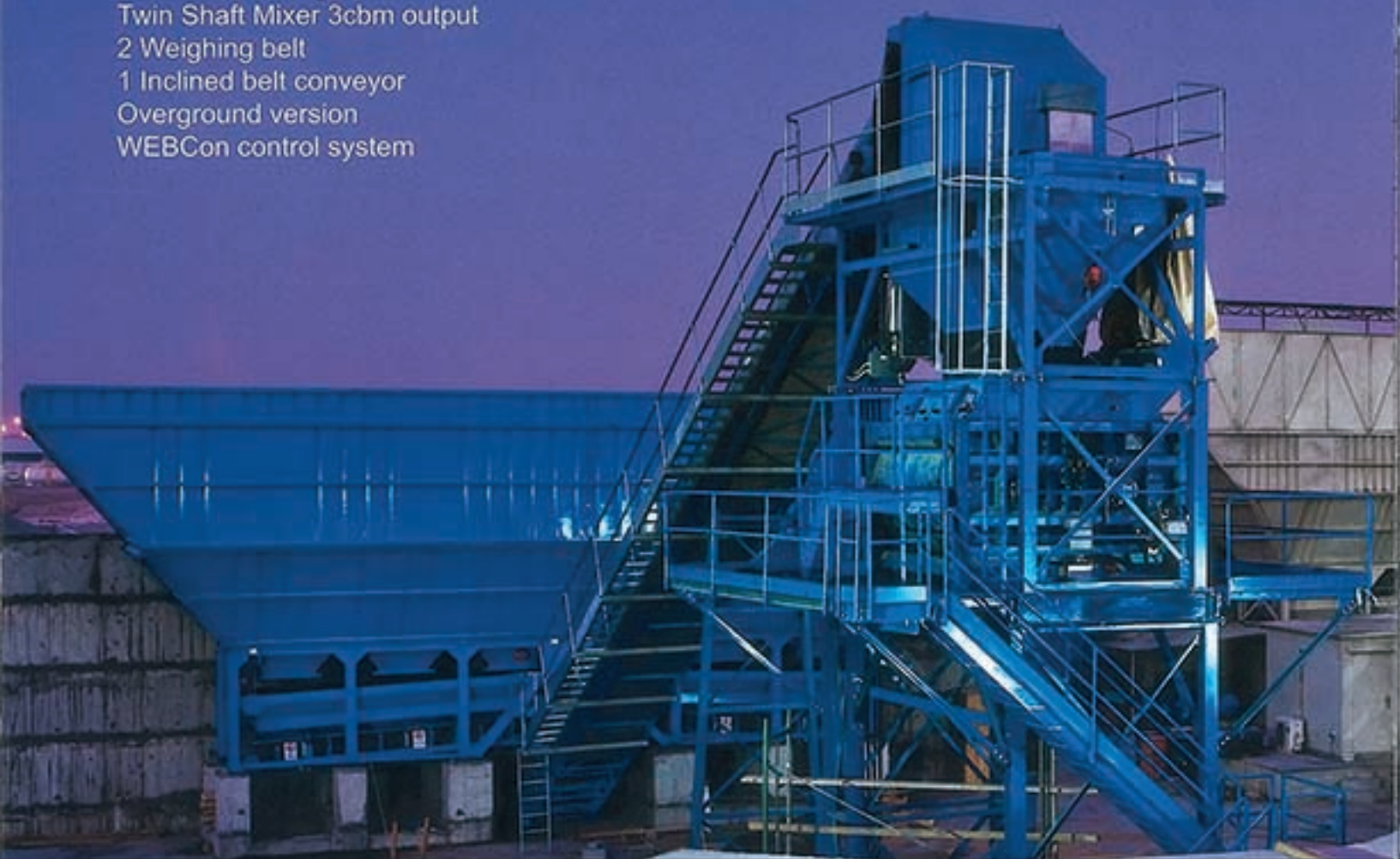




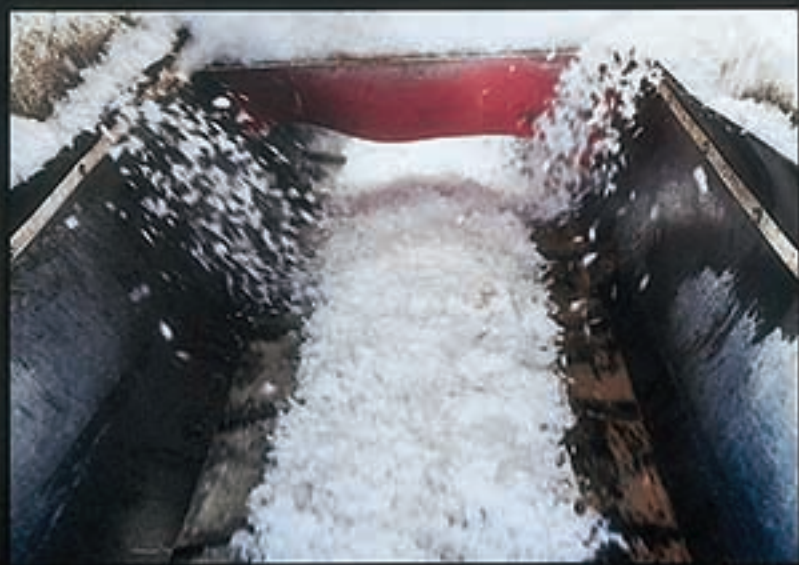


## BATCHING PLANT GPE 120-6-4-1

Production capacity 120cbm/hr.  
Total aggregate storage 220cbm in 6 boxes  
Total cement storage 600ton  
Microsilica storage 80ton  
Twin Shaft Mixer 3cbm output  
2 Weighing belt  
1 Inclined belt conveyor  
Overground version  
WEBCon control system















## TWIN BATCHING GPE 240-12-6-2

Production capacity 240cbm/hr.  
Total aggregate storage 440cbm in 12 boxes  
Total cement storage 900ton  
Microsilica storage 200ton  
2 nos. Twin Shaft Mixer 3cbm output  
2 x 2 Weighing belt  
2 nos. Inclined belt conveyor  
Overground version  
2 nos. WEBCon control system







# **BATCHING PLANT GPE 70-4-2 for Precast**

Production capacity 70cbm/hr.  
Total aggregate storage 120cbm in 4 boxes  
Total cement storage 160ton  
Planetary Mixer 2cbm output  
1 Weighing belt  
Skip hoist  
Flying bucket  
Overground version  
WEBCon control system







# WEBCon Dosing software

With WEBCon we provide the most advanced control system in the market. The fully webbased system is used in lots of batching plants producing concrete for many prestigious projects. So all the concrete for the Burj Dubai is made with WEBCon.

WEBCon is a network capable batch management based on client-server-structure and MICROSOFT SQL Server.

Complete visualisation of the production process with WEBSides.

Complete production at a glance

Easy linking of batching plants via Internet Explorer

Supervision and Control of all plants direct from head office with Explorer

Production optimization à cost reduction, increased capacity

Easy Linking to invoicing systems

Service and maintenance direct via INTERNET or INTRANET

Alarmmanagement with E-Mail / SMS

Preventive Maintenance



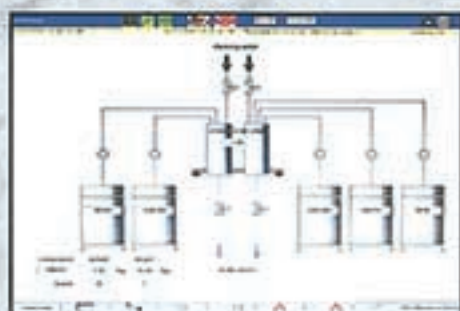
The software contains:

- Recipe database
- Customer database
- Truck database
- Site database
- Component database
- Automatic moisture correction
- Consumption statistics
- Alarm management
- Password user administration
- Free selectable plant parameter
- Backup-functions
- Delivery note printout according to your demands
- and much more ...





MIXER VISUALIZATION



ADMIXTURE DOSING DETAILS



AGGREGATE VISUALIZATION



TOTAL PLANT OVERVIEW

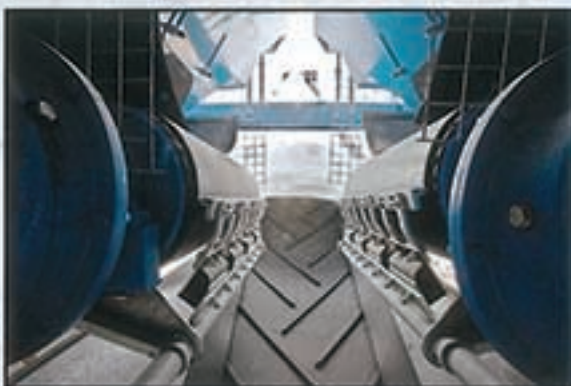


# Equipment and Components

**CEMENT SILOS, SCREWS, FILTERS, VALVES, CONVEYORS, LOAD CELLS, DISPLAYS**

GPE is providing all parts and components for batching plants. Almost all of them are available in our large stock.

Screw conveyors are available in a wide range of sizes and capacities. They are designed to convey cement and many bulk materials used in batch plants, such as cement, micro-silica, gypsum, etc. Housing made of carbon steel complying with UNI 7070-72 standard. Standard sizes are from Ø114mm to Ø323mm with lengths up to 13m. On demand diameters such as Ø407mm, Ø457mm and over.



Silo Filters with pneumatic or vibrator cleaning in conform with the provisions of the Directive 89/392/CEE

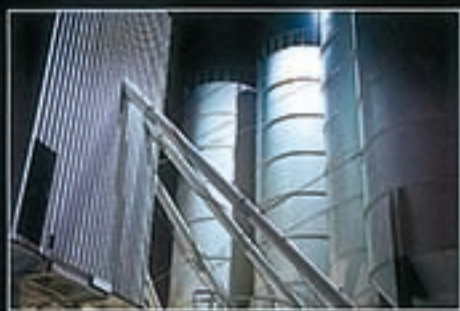
Other silo accessories like butterfly valves, level indicators, pressure safety valves and aeration systems are available in all sizes and dimensions.

Beside all mechanical parts and components GPE is specialized in supplying electronic components, i.e. all type of load cells, weighing indicators, moisture measurement systems, temperature probes, PLC parts, etc.

**GPE**  
German Plant Experience



SILOS AND EQUIPMENT  
WITH A LARGE STOCK IN UAE





# After Sales Service

Customer Service is a core expertise of sales activities at GPE. We consider employees with the best training possible to be an investment that guarantees effective technical support.

Continuous availability of all plant and systems is essential during every-day operation.

## 24 Hour Service Support

The GPE service team can be contacted 24 hours a day for expert advice on all plant or mixer problems. You can rely on GPE to provide expert technical assistance at whatever time of day or night you have a downtime problem.



## Repairs

Our service team, who can tackle any technical problem, guarantee fast expert assistance in case of repair, helping to significantly shorten your downtimes.

## Spare Parts Service

GPE has a large stock of spare parts which will reach you in the shortest possible time.



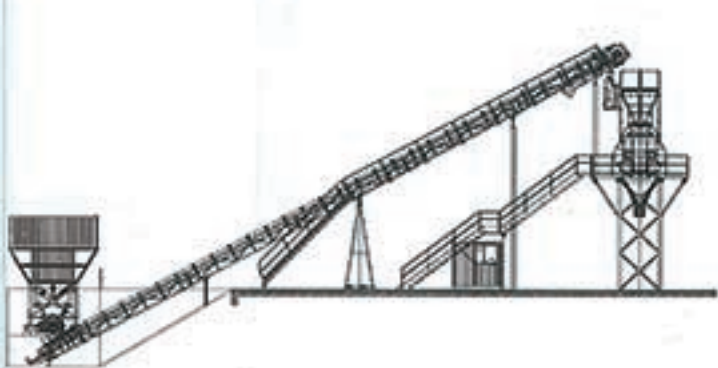
# Types



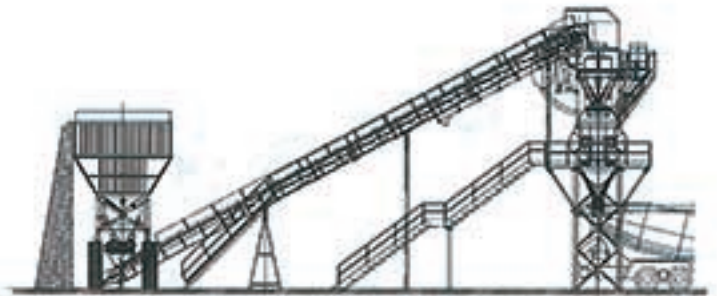
Overground with Dry/Wet-Output



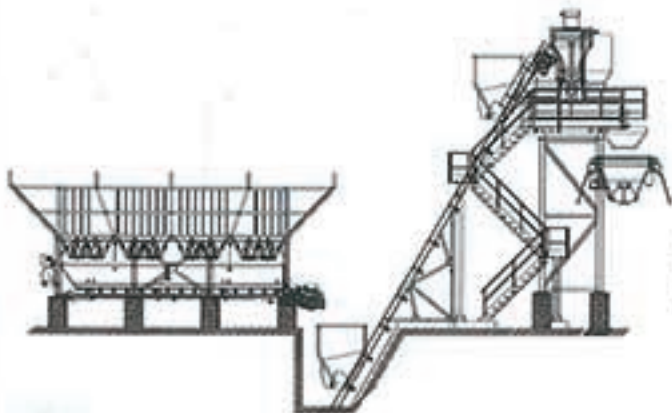
Half Underground with Wet-Output



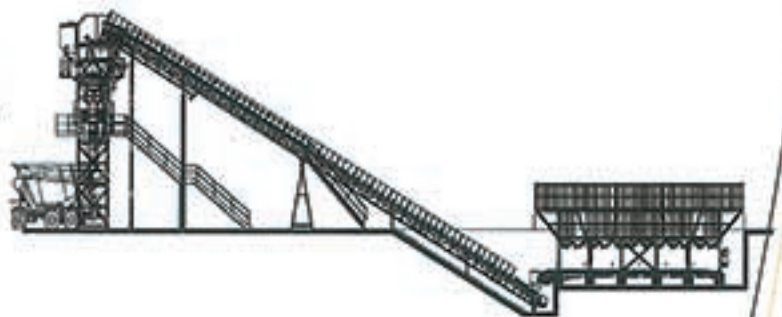
Full Underground with Wet-Output



Overground with Skip and Wet-Output



Overground with Wet-Output



Full Underground in line with Wet-Output





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## Distribution / Turning

### DISTRIBUTION STATION 1/2 or 1/4

- Pneumatic in- and outward belt conveyor
- Photocell
- Adjustable conveyor speed via frequency converter



## Distribution / Turning

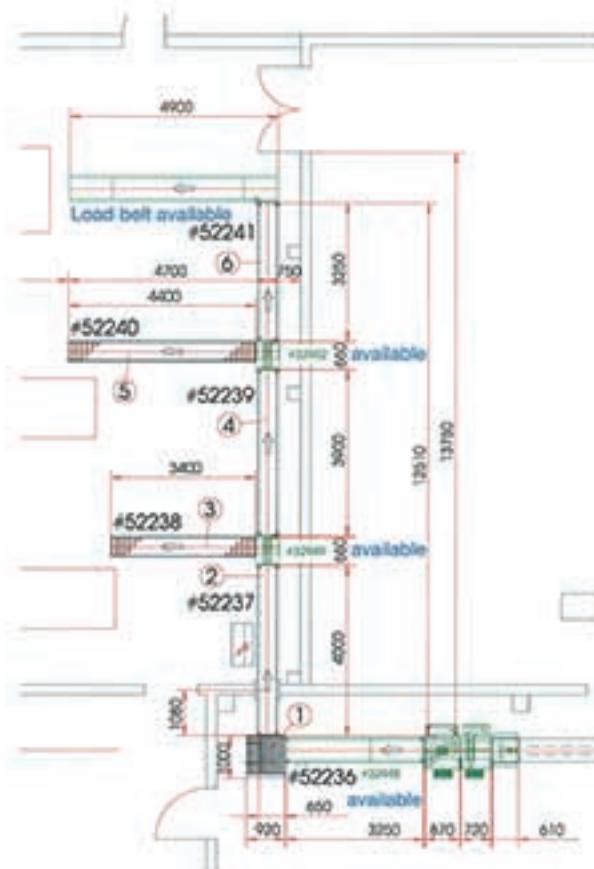
### ANGLE PUSHER

- Mechanical underfloor pusher
- Underfloor backstroke
- Photocell
- Pushing rake and rollers controlled by frequency converter
- Special Feature:
  - Adjustable backstop
  - Backstop position either on the right or left side



## Project Planning

### PLANNING AND EXECUTION OF COMPLETE SYSTEMS



**MOSCA**  
EXCELLENCE IN STRAPPING SOLUTIONS

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**MOSCA**  
EXCELLENCE IN STRAPPING SOLUTIONS

## NEW! CONVEYING SYSTEMS





Mosca-Strapping Systems.  
Worldwide Success through Quality  
for more than 45 Years

Mosca is committed to providing all industries with the most advanced and economical products and services for all strapping needs. Our systems are available in various degrees of automation, from semi-automatic to fully-automatic high-speed machines. We also offer variable speed conveyors.

Mosca has manufactured its own plastic straps in Waldbrunn, Singapore and in the USA since 1989. The Mosca customer benefits from dealing with a single source supplier – one who produces strapping machines, conveyors and straps.

Check it out!

*T. Mosca*  
Timo Mosca

## Transport

### BELT CONVEYOR

- Photocell
- Adjustable conveyor speed via frequency converter
- Side guide (Option)



## Transport / Alignment

### ROLLER CONVEYOR / INCLINED ROLLER CONVEYOR

- Photocell
- Adjustable conveyor speed via frequency converter
- Side guide, turning stop (Option)



## Transport

### ROLLER BEND CONVEYOR

- Photocell
- Adjustable conveyor speed via frequency converter
- Side guide (Option)



## Transport / Cycling

### PILE-UP CONVEYOR

- Photocell
- Recessed grip for manual take-on and take-off
- Adjustable conveyor speed via frequency converter



## Transport / Cycling

### PASSAGE FLAP

- Photocell
- Recessed grip for manual take-on and take-off
- Adjustable conveyor speed via frequency converter
- Allows the crossing of the conveyor line





### Automatic strapping machine

## EVOLUTION SoniXs MP-6 SONIXS



SoniXs MP-6 R      SoniXs MP-6 T      SoniXs MP-6 B

- Pivoting operation panel
- Ultrasonic sealing system with electronic self-calibration
- Hinged front table for easy access
- Standard machine grade 5, 6, 8, 9, 10 or 12 mm PP straps
- Frequency-controlled conveying speed
- (SoniXs-MP-6 T) up to 58 cycles per minute at 5 mm strap width
- (SoniXs-MP-6 R and SoniXs-MP-6 B) up to 35 packages per minute at strap width 5 mm

### Automatic strapping machine

## RO-M FUSION

- Thermostatically controlled heat-weld sealing system
- Wear-free DC drive, brushless motor technology
- Electronic control
- Adjustable strap tension via potentiometer
- Easy strap coil change and threading system
- Up to 55 strappings / minute at strap width 5 mm
- Standard machine grade 5, 8 or 12 mm PP straps

Frame size:  
800 x 600 mm  
600 x 500 mm



### Fully automatic strapping machine

## KCS-111

- Top-mounted sealing head
- Optional as SONIXS version
- Can be integrated into most production lines
- Moveable strap lance for strapping palletised goods
- Potential-free contacts to up- and downstream equipment
- Frame width 1800 to 2800 mm; 200 mm steps
- Min. conveying height 600 mm
- Pressure 3 tons



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**STRAPPING MACHINES  
FOR THE GRAPHIC INDUSTRY**



### Fully automatic inline strapping machine

#### EVOLUTION SoniXs TRI-6 BASE

- Ultrasonic sealing system with electronic self-calibration
- Strapping applied in transport direction without bundle turning
- Easy accessibility and tool-free disassembly of strap way components
- Easy operation over digital display in the control panel
- Open design without protective coverings - CE marking inclusive conformity declaration
- Cost-efficient, pneumatical hold-down device

**SoniXs**



### Fully automatic inline strapping machine

#### EVOLUTION SoniXs TRI-6 PRO

- Ultrasonic sealing system with electronic self-calibration
- Strapping applied in transport direction without bundle turning
- Easy accessibility and tool-free disassembly of strap way components
- Optimization of the strapping processes by machine adaptation to defined package dimensions
- Division into different user groups
- Open design without protective coverings - CE marking inclusive conformity declaration
- Fast, uncomplicated software update via internet possible
- Energy-efficient, electro-mechanical hold-down device

**SoniXs**



### Fully automatic strapping machine

#### EVOLUTION SoniXs TR-6 BASE

- Ultrasonic sealing system with electronic self-calibration
- Easy accessibility and tool-free disassembly of strap way components
- Easy operation over digital display in the control panel
- Selector switch for single, double or multiple strappings
- Open design without protective coverings - CE marking inclusive conformity declaration

**SoniXs**



### Fully automatic strapping machine

#### EVOLUTION SoniXs TR-6 PRO

- Ultrasonic sealing system with electronic self-calibration
- Bundle positioning via increments by metrical input of the strapping positions
- Easy accessibility and tool-free disassembly of strap way components
- Optimization of the strapping processes by machine adaptation to defined package dimensions
- Flexible product processing through either unit center position or unit position 140 mm from left
- Product adapted frame sizes 500 x 600 mm, 600 x 600 mm, 800 x 800 mm
- Open design without protective coverings - CE marking inclusive conformity declaration
- Fast, uncomplicated software update via internet possible

**SoniXs**



### Fully automatic cross strapping system

#### EVOLUTION SoniXs TAI-6 BASE

The system consists of:  
Strapping machine SoniXs TR-6 BASE  
Strapping machine SoniXs TRI-6 BASE

- Ultrasonic sealing system with electronic self-calibration
- Easy accessibility and tool-free disassembly of strap way components
- Cross strapping without bundle turning
- Easy operation over digital display in the control panel
- Open design without protective coverings - CE marking inclusive conformity declaration
- **TR-6 BASE:**
  - Selector switch for single, double or multiple strappings
- **TRI-6 BASE:**
  - Cost-efficient, pneumatical hold-down device

**SoniXs**



### Fully automatic cross strapping system

#### EVOLUTION SoniXs TAI-6 PRO

The system consists of:  
Strapping machine SoniXs TR-6 PRO  
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- Bundle positioning via increments by metrical input of the strapping positions
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**SoniXs**



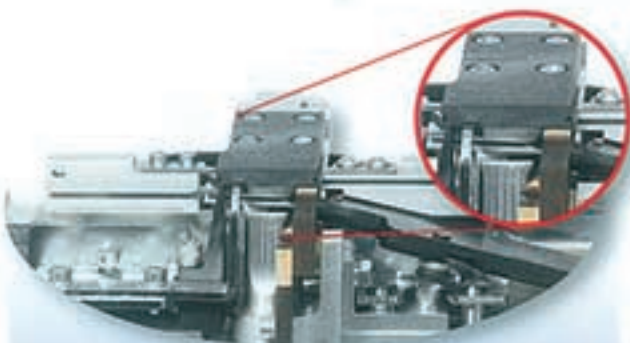


## ULTRASONIC SEALING – Step the way into the future!

Joining the two open ends of the strap loop presents a potential problem in the modern strapping technology. A tear-proofed seal, reduced sealing time as well as environmental compatibility are the main requirements that are in demand.

This innovative, low-emission SONIXS ultrasonic sealing technology operates with a sonotrode especially developed by MOSCA.

This new ultrasonic sealing system that is suitable for PET and PP straps offers a seal of highest tensile strength.

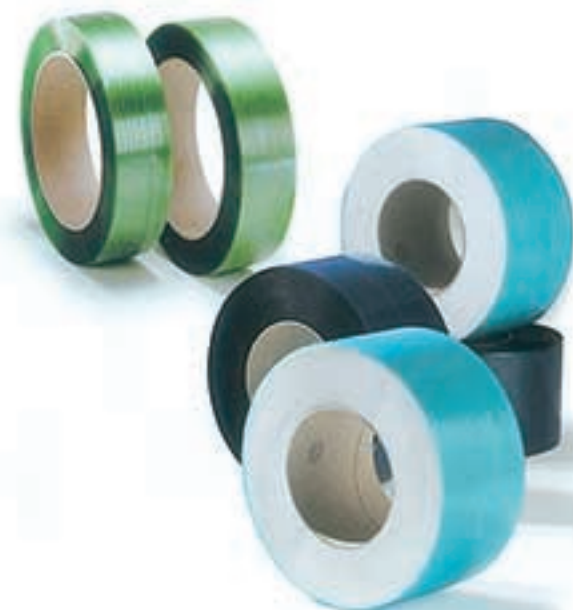


**SONIXS**

- X-tremely low-emission**
- X-tremely tear-proof**
- X-tremely fast**
- X-tremely wear-free**
- X-tremely operator-friendly**
- X-tremely economical**

## POLYESTER- / POLYPROPYLENE STRAP

- Polyester strap: width from 9.5 mm – 12.5 mm
- Polypropylene strap: width from 9.0 mm – 12.0 mm



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**MOSCA**  
EXCELLENCE IN STRAPPING SOLUTIONS

Fully automatic  
strapping machines  
**MK 44**  
**KOH-315**  
**KOV-112-P**



**STRAPPING TECHNOLOGY IN  
THE BRICK MAKING INDUSTRY**



### Fully Automatic Strapping Machine

#### MK 44

#### Fully automatic inline strapping machine for single bundles

- Ultrasonic sealing with electronic self-calibration
- Wear-free DC drive, brushless motor technology
- Maintenance-free, all moveable parts with ball bearing
- Fully automatic strap threading
- 4-sided bundle squaring
- Rapid sealer change system



### Fully Automatic Strapping Machine

#### KOH-315

#### Fully automatic horizontal pallet strapping machine

- Ultrasonic sealing with electronic self-calibration
- Wear-free DC drive, brushless motor technology
- Maintenance-free, all moveable parts with ball bearing
- Height moveable, horizontal strap track system
- 4-sided device squaring



### Fully Automatic Strapping Machine

#### KOV-112-P

#### Fully automatic vertical pallet strapping machine

- Ultrasonic sealing with electronic self-calibration
- Wear-free DC drive, brushless motor technology
- Maintenance-free, all moveable parts with ball bearing
- Machine laterally moveable (portal construction)
- Lower strap track integrated in conveying system (no strap lance required)
- Rapid sealer change system

