



# MEGA®

## PROMIX 30.PA (PAN MIXER)

# CONCRETE BATCHING PLANT

### DIGITAL CATALOG



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### DESCRIPTION OF THE INSTALLATION

**PRODUCT DESCRIPTION:** IT IS A SYSTEM THAT TAKES RAW MATERIALS SUCH AS GRAVEL, SAND, CEMENT, WATER AND ADDITIVES NECESSARY FOR THE PRODUCTION OF READY-MIXED CONCRETE FROM SPECIALLY PREPARED STORAGE AREAS OF PREDETERMINED DIMENSIONS ENTERED IN THE COMPUTER PROGRAM AND TRANSFORMS THEM INTO READY-MIXED CONCRETE BY MIXING THEM IN THE MIXER. MIXING CAPACITY OF THE MIXER: **30 M<sup>3</sup>** PER HOUR. THE SYSTEM TAKES ALL OPERATING COMMANDS FROM THE PROGRAM INSTALLED ON THE COMPUTER AND EASILY TRANSFERS THE PREPARED CONCRETE TO THE MIXER TRUCK WITH ITS SPECIAL EQUIPMENT. IT IS DESIGNED TO WORK 24 HOURS A DAY, PROVIDED THAT THE SUPPLY OF RAW MATERIALS IS SUFFICIENT.

**OPERATION:** THE SYSTEM FIRST TAKES THE RAW MATERIALS SUCH AS SAND, GRAVEL, ETC., THE PROPORTIONS OF WHICH ARE PREDETERMINED AND ENTERED INTO THE COMPUTER PROGRAM, INTO THE SPECIAL STORAGE AREA CALLED AGGREGATE HOPPER, BY MEANS OF THE WEIGHING BELT LOCATED BELOW WHICH, AFTER WEIGHING THE MATERIALS AND FOR THE MIXING TO START, TRANSFERS BY MEANS OF THE CONVEYOR BELT OR BELT CONVEYOR THE MATERIALS TO THE WAITING HOPPER AND FROM THERE TO THE MIXER. THE WAITING OR INTERMEDIATE HOPPER ALLOWS THE EQUIPMENT THAT WEIGHS AND SENDS THE RAW MATERIAL WHILE THE MIXER IS MIXING, TO DO THE SAME WORK WITHOUT STOPPING, AND TO FILL THE MIXER WITHOUT WAITING FOR THE END OF THE UNLOADING PROCESS.

THE SYSTEM SENDS THE CEMENT NEEDED FOR MIXING FROM THE SPECIAL STORAGE AREA CALLED CEMENT SILO TO THE WEIGHING CONTAINER BY MEANS OF THE SCREW CONVEYOR PLACED BELOW. THERE THE CEMENT, THE PROPORTIONS OF WHICH ARE PRESET AND ENTERED INTO THE COMPUTER PROGRAM, IS WEIGHED AND POURED INTO THE MIXER BY MEANS OF THE COVER PLACED UNDERNEATH. THIS IS DONE BY MEASURING AND POURING THEM INTO THE MIXER. THE SYSTEM ORDERS THE MIXER TO WORK FOR THE TIME NECESSARY TO MIX THE RAW MATERIALS CONTAINED IN IT HOMOGENEOUSLY, THUS OBTAINING A HIGH-STRENGTH READY-MIX CONCRETE. IN THE LAST STEP, THE PREPARED CONCRETE IS TRANSFERRED TO THE TRANSMIXER LOCATED UNDER THE MIXER DISCHARGE TANK. THIS PROCESS IS COMPLETED BY THE CAPACITY OF THE MIXER TRUCK OR THE LOADING OF THE DESIRED VOLUME OF CONCRETE.



**WHY MEGA CONCRETE BATCHING PLANTS:** QUALITY PRODUCT - ECONOMIC PRICE - LOW ENERGY CONSUMPTION - MINIMUM COST - LOW INFRASTRUCTURE AND INSTALLATION COSTS - MAXIMUM PROFITABILITY WITH MINIMAL PERSONNEL - AUTOMATION SYSTEM SUITABLE FOR ALL BUDGETS - EASY TO USE AUTOMATION PROGRAM IN ALL LANGUAGES - ELECTRICAL PANELS THAT CAN BE OPERATED IN DIFFERENT ENERGIES - COST-EFFECTIVE SHIPPING DUE TO DEMOUNTABLE DESIGN - LOW MAINTENANCE COSTS AND AVAILABILITY OF SPARE PARTS IN ALL COUNTRIES

**WHY MEGA EXPORT :** 24/7 ONLINE SUPPORT WITH EXPERIENCED EXPORT STAFF - SECURE TRADE WITH FIXED PRICE GUARANTEE - EASY COMMUNICATION IN THE LANGUAGE OF YOUR CHOICE - PRODUCTION - ON-TIME DELIVERY AND ASSEMBLY - ABILITY TO TRACK THE PRODUCTION PROCESS ONLINE - ABILITY TO TRACK THE SHIPPING PROCESS ONLINE - FREE PROJECT TO PREPARE THE INFRASTRUCTURE AND TEST THE PRODUCTION - FREE TRAINING AND CERTIFICATION OF OPERATORS - EASY TO DO BUSINESS WITH LEASING AND LETTER OF CREDIT THROUGH CONTRACTED BANKS.



## GENERAL TECHNICAL SPECIFICATIONS

### AGGREGATE HOPPERS



|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| CAPACITY                         | 3x8 m <sup>3</sup> = 24 m <sup>3</sup>                            |
| UPPER CHAMBER                    | BOLT - DISASSEMBLY - 3 mm SPECIAL BENDING SHEET + SUPPORT PROFILE |
| CHASSIS TECHNICAL SPECIFICATIONS | 150X150 5 mm SQUARE PROFILE                                       |
| DISCHARGE FUNNEL                 | 4 mm + 3 mm REINFORCED - REPLACEABLE WEAR PLATE                   |
| BEARING COVER                    | PILLOW BLOCK UCP 206                                              |
| DISCHARGE GATE                   | 3x1 PIECES                                                        |
| COVER DRIVE AND CONTROL          | PNEUMATIC PISTON - ø80x320 FENITSA / LOCKED VALVE - 24 V DC       |
| VIBROMOTOR                       | AVM 300/3 x 3 - AVIBRO - WITH CARRY HANDLE                        |

### WEIGHING BELT UNDER AGGREGATE HOPPERS



|                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| CAPACITY                   | 1500 KG                                                           |
| WEIGHING EQUIPMENT         | 1000 KG x 4 PCS / TUNA - S TYPE LOAD CELL - ADJUSTABLE CONNECTION |
| WEIGHING HOPPER            | 3 mm SPECIAL BENDING SHEET                                        |
| FLOW CONTROL VALVES        | 3 mm 120° - CHAIN DISTANCE ADJUSTMENT                             |
| BELT CHASSIS AND TIRE SIZE | NPU 120 / EA 7200 x BG 600 mm - 4 LAYERS OF 10 mm                 |
| CONVEYOR ROLLER            | ø60x300 BEARING WITH DUST RETAINING COVER                         |
| DRIVE                      | 4 KW GEAR MOTOR                                                   |
| VIBROMOTOR                 | AVM 300/3 x 1                                                     |

### AGGREGATE TRANSFER CONVEYOR



|                                               |                                                    |
|-----------------------------------------------|----------------------------------------------------|
| CAPACITY                                      | 90 TONS / HOUR                                     |
| BAND CHASSIS - DIMENSIONS AND CHARACTERISTICS | NPU 120 / EA 26500 x BG 600 mm - 4 LAYERS OF 10 mm |
| BAND LEGS                                     | CONNECTED FROM 4 PLACES - ADJUSTABLE               |
| BELT SLIP BACKSTOP                            | 24 VOLT AIR COOLED BRAKE SYSTEM                    |
| DRUM PULLEY BEARING                           | SNH 211 - BALL BEARING                             |
| TENSIONER DRUM PULLEY BEARING                 | UCT 210                                            |
| CONVEYOR ROLLER                               | ø60x300 BEARING WITH DUST RETAINING COVER          |
| DRIVE                                         | 11 KW GEAR MOTOR                                   |

### CEMENT STORAGE SILO



|                                           |                                       |
|-------------------------------------------|---------------------------------------|
| CAPACITY AND TYPE                         | 45 TON / WELDED TYPE - STANDARD MODEL |
| BODY TECHNICAL SPECIFICATION              | FUNNEL 6 mm - OTHER SECTIONS 5-4 mm   |
| AIR VENT TECHNICAL SPECIFICATION          | 4" PIPE                               |
| MAINTENANCE COVER TECHNICAL SPECIFICATION | IN THE TOP OF THE SILO                |
| DISCHARGE TECHNICAL SPECIFICATION         | 12" DOUBLE BUTTERFLY VALVE COMPATIBLE |
| UPPER SAFETY RING                         | 1" 3/4" WELDED PIPE PASSING SYSTEM    |
| LADDER TECHNICAL SPECIFICATION            | SHEET METAL - BOLTED                  |
| PAINT                                     | 1 LAYER PRIMER - 1 LAYER RAPID PAINT  |

### CEMENT SCREW CONVEYOR



|                              |                                             |
|------------------------------|---------------------------------------------|
| CAPACITY AND OPERATING ANGLE | 18 TON / HOUR / 30-40°                      |
| BODY TECHNICAL SPECIFICATION | 8" SEAMLESS PIPE X 6 m                      |
| FILLING PORT                 | 12" UNIVERSAL                               |
| DISCHARGE                    | 8" FIXED ANGLE                              |
| INTERMEDIATE BEARING         | REPLACEABLE MILLING ATTACHMENT - LUBRICABLE |
| MAINTENANCE COVER            | UNDER THE MOTOR                             |
| DRIVE                        | 7,5 KW GEAR MOTOR                           |
| PAINT                        | 1 LAYER PRIMER - 1 LAYER RAPID PAINT        |

### AGGREGATE HOLDING BUNKER



|                              |                                                 |
|------------------------------|-------------------------------------------------|
| CAPACITY                     | 900 dm <sup>3</sup>                             |
| BODY TECHNICAL SPECIFICATION | 4 mm SHEET METAL                                |
| DISCHARGE FUNNEL             | 4 mm + 3 mm REINFORCED - REPLACEABLE WEAR PLATE |
| DISCHARGE GATE               | 1 UNIT                                          |
| COVER DRIVE                  | PNEUMATIC PISTON - 2 x ø80x200 FENITSA          |
| COVER CONTROL                | LOCKED VALVE / 24 V DC - TEKNOFLUID             |
| BEARING COVER                | PILLOW BLOCK UCF 206                            |
| PAINT                        | 1 LAYER PRIMER - 1 LAYER RAPID PAINT            |



## GENERAL TECHNICAL SPECIFICATIONS

### CEMENT - ADDITIVE - WATER WEIGHING SYSTEM

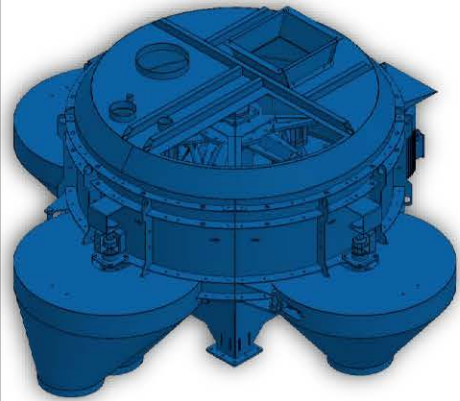


| CEMENT                        |                                                          |
|-------------------------------|----------------------------------------------------------|
| CAPACITY / BODY SPECIFICATION | 250 KG / 3 mm SHEET - ONE PIECE FLOW FACILITATING FUNNEL |
| WEIGHING EQUIPMENT            | 500 KG x 3 PCS - SHEAR BEAM LOAD CELL                    |
| SCREW CONVEYOR ENTRY PORT     | 8" x 1                                                   |
| DISCHARGE GATE                | 12" ACTUATOR VALVE - MICRO SWITCH CONTROL                |
| COVER CONTROL                 | LOCKED VALVE / 24 V DC - TEKNOFLUID                      |
| VENTILATION                   | DRAIN TO MIXER WITH 2" BELLOW HOSE                       |
| VIBRATION DAMPER              | 3x Ø90x40 70 SHOR RUBBER WEDGE                           |
| SCREW - WEIGHING CONNECTION   | 8" RUBBER BELLOW                                         |

| ADDITIVE                     |                                           |
|------------------------------|-------------------------------------------|
| CAPACITY                     | 20 KG                                     |
| BODY TECHNICAL SPECIFICATION | 5 mm SEAMLESS PIPE                        |
| WEIGHING EQUIPMENT           | 100 KG x 1 PIECE - BENDING BEAM LOAD CELL |
| DISCHARGE GATE               | 1" PNEUMATIC VALVE                        |
| COVER CONTROL                | LOCKED VALVE / 24 V DC - TEKNOFLUID       |
| FEEDING                      | 1" SEAMLESS PIPELINE x 3 LINES            |

| WATER                       |                                                 |
|-----------------------------|-------------------------------------------------|
| CAPACITY                    | 120 L                                           |
| BODY                        | 3 mm SHEET - ONE PIECE FLOW FACILITATING FUNNEL |
| WEIGHING EQUIPMENT          | 500 KG x 3 PCS / TUNA - SHEAR BEAM LOAD CELL    |
| DISCHARGE GATE              | 6" ACTUATOR VALVE - MICRO SWITCH CONTROL        |
| COVER CONTROL               | LOCKED VALVE / 24 V DC - TEKNOFLUID             |
| VIBRATION DAMPER            | 3x Ø90x40 70 SHOR RUBBER WEDGE                  |
| FEEDING                     | 1" SEAMLESS PIPELINE                            |
| WEIGHING - MIXER CONNECTION | 6" RUBBER BELLOW                                |

### CONCRETE MIXER



|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| MIXER TYPE               | PAN MIXER (MADE IN TURKEY) - 6 MIXER ARM              |
| INTERNAL VOLUME CAPACITY | 750 L                                                 |
| WET CONCRETE CAPACITY    | 500 L - TOTAL WEIGHT OF 1200 KG READY MIX CONCRETE    |
| DRY CONCRETE CAPACITY    | 350 L - TOTAL WEIGHT OF 900 KG, PAVER, BLOCK CONCRETE |
| DISCHARGE GATE           | 3 OUTPUT - DOUBLE ACTION AND LOCKED VALVE / 24 V DC   |
| COVER DRIVE              | Ø50 X 300 HYDRAULIC PISTON x 3 PCS                    |
| COVER CONTROL            | LOCKED VALVE / 24V DC - STAGE DISCHARGE / OXIM        |
| ELECTRIC MOTOR           | 22 KW - WAT - GAMAK BRAND                             |
| REDUCER                  | DG 320 - DISSAN BRAND                                 |
| BEARING                  | Ø80 HUB BEARING                                       |
| MAINTENANCE COVER        | 1 PIECE - WITH SAFETY SENSOR                          |
| BASE WEAR PLATE          | 15 mm HARDOX - REPLACEABLE - BOLTED                   |
| SIDE WEAR PLATE          | 10 mm HARDOX - REPLACEABLE - BOLTED                   |
| MIXER PALLETS            | 25 mm NI HARD CASTING - REPLACEABLE - BOLTED          |

### CONTROL CABIN



|                                  |                                              |
|----------------------------------|----------------------------------------------|
| DIMENSIONS                       | 2,2m x 2,4 m x 4m                            |
| SIDE WALLS                       | 5 cm EPS SANDWICH PANEL                      |
| FLOOR SPECIFICATIONS             | 20 mm BETOPAN - MINEFLO COATING              |
| CEILING SPECIFICATIONS           | 5 cm GLASS WOOL                              |
| CHASSIS TECHNICAL SPECIFICATIONS | SPECIAL BENDING 120x120 SHEET PROFILE 2,5 mm |
| WINDOW SPECIFICATIONS            | 120x120 3 PIECES                             |

### COMPRESSOR AND AIR INSTALLATION



|                    |                                        |
|--------------------|----------------------------------------|
| CAPACITY           | 300 L / MIN                            |
| TYPE               | PISTON COMPRESSOR                      |
| MOTOR POWER        | 4 KW                                   |
| OPERATING PRESSURE | 6-8 BAR (MAXIMUM 12 BAR)               |
| PRESSURE SWITCH    | ADJUSTABLE TANK TOP PRESSURE AUTOMATIC |
| VIBRATION DAMPER   | Ø120 60 SHOR RUBBER WEDGE x 4 PCS      |



## GENERAL TECHNICAL SPECIFICATIONS



### PUMPS

|               |                        |
|---------------|------------------------|
| WATER PUMP    | 150 L/MIN / HYDROPHORE |
| ADDITIVE PUMP | 20 L/MIN / SINGLE LINE |

### PLATFORM

|                              |                                              |
|------------------------------|----------------------------------------------|
| BODY TECHNICAL SPECIFICATION | 120x120 - 5 mm PROFILE                       |
| ASSEMBLY METHOD              | STEEL CONSTRUCTION - DISASSEMBLED            |
| FOOT TYPE                    | HINGED - FOLDABLE                            |
| NUMBER OF FLOOR              | 2 FLOOR (1- MIXER FLOOR / 2- WEIGHING FLOOR) |
| ROOF                         | TYPE V - GALVANIZED SHEET METAL              |
| WALKING PATH 1st FLOOR       | DOUBLE-SIDED                                 |
| WALKING ROAD 2nd FLOOR       | ONE SIDE                                     |
| RAILING                      | 1" - 3/4" WELDED PIPE PASSING SYSTEM         |
| ILLUMINATION                 | U TYPE 2 x 36 WATT 10 SETS FLORASAN          |
| PAINT                        | 1 LAYER PRIMER - 1 LAYER RAPID PAINT         |

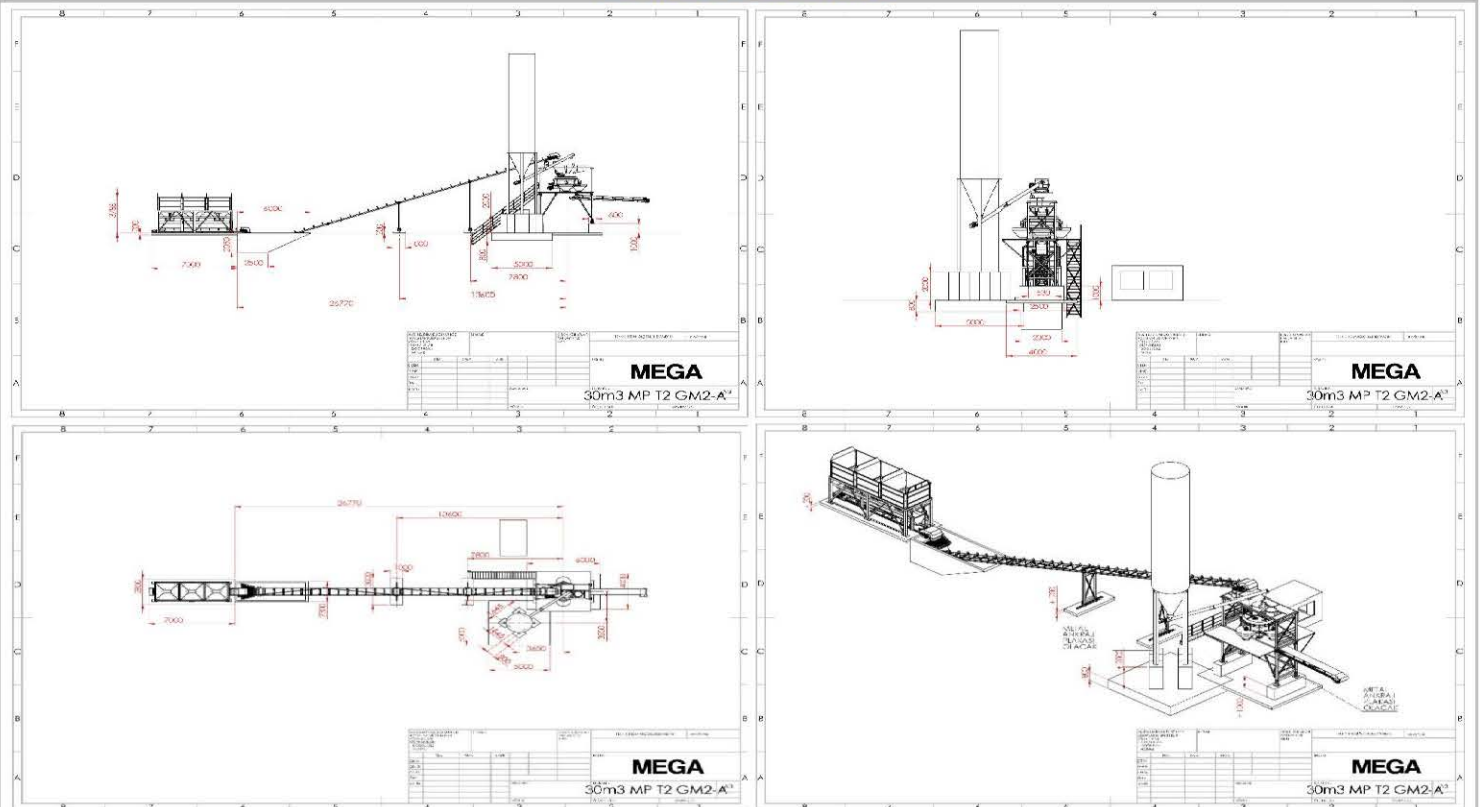


### ELECTRICAL PANEL AND SOFTWARE

|                   |                                                   |
|-------------------|---------------------------------------------------|
| SOFTWARE          | BATCHMASTER (MULTI-LANGUAGE SUPPORT)              |
| SCADA             | DELIVERY NOTE - INVOICING SYSTEM                  |
| MATERIAL USED     | 1. QUALITY ORIGINAL SIEMENS - SCHNEIDER           |
| PLC               | SIEMENS SIMATIC / S7 - 1200                       |
| POWER PANEL       | 2 UNITS IN THE CABIN - 1 UNIT ON THE HOPPER       |
| REMOTE CONNECTION | YES                                               |
| SYSTEM PROTECTION | WITH ONLINE UPS - PLC PROTECTION                  |
| ELECTRIC PANELS   | IMPACT RESISTANT - IP65 CLASS PROTECTION          |
| STARTING MIXER    | SOFT STARTER (SPECIAL MOTOR START SYSTEM)         |
| CURRENT DIAGRAM   | MIXER MOTOR CURRENT CONTINUOUS MONITORING-CONTROL |
| MIMIC DIAGRAM     | BUTTONS PLACED ON THE TECHNICAL DRAWING           |
| PRESSURE SWITCH   | MIN 6 BAR LINE TYPE SWITCH                        |
| CAMERA SYSTEM     | 1 UNIT - IP                                       |
| SOUND SYSTEM      | 150 W SPEAKER x 2 PCS + MICROPHONE                |

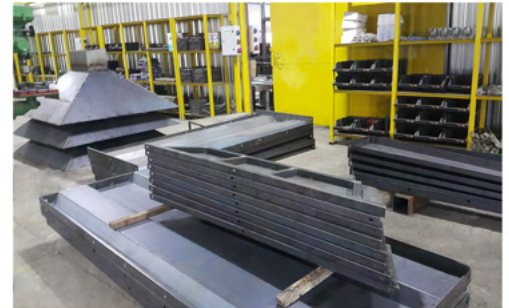
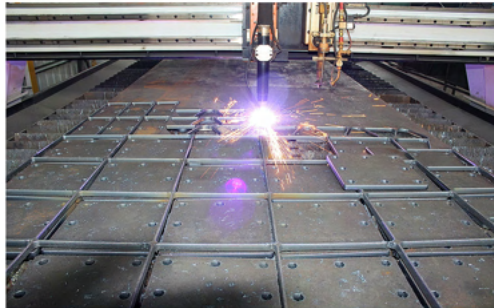


### TECHNICAL DRAWING





## MANUFACTURING IMAGES





## COMPANY PRESENTATION

- In this journey that we have undertaken with the principle of unconditional customer satisfaction, we are proud to be recognized in 52 countries of the world and to be the leading company in the sector with the contribution of our experienced assembly team. The main characteristics that distinguish us from other companies;
- Through our company, we have established our infrastructure of production planning and sales based on export, thanks to the experienced staff we have employed in this field, without having to deal with any issue or problem, paying only the tax of the country in which you are, receive your products at your door, with the activation center we have created, 24 hours without interruption of a representative in your own language. We offer you the possibility to get a service and to trade comfortably as if you were buying goods in any city of your own country.
- We aim to build stronger relationships with our customers through our policy of on-time manufacturing - on-time delivery - on-time assembly.
- By minimizing our profitability, we offer our customers secure business opportunities with a fixed price guarantee.



- We eliminate any risk of gouging by publishing our current prices on our website, thanks to our transparent approach to sales policy.
- We save you time and money in finding references by publishing on our website images of projects we have completed and interviews where our clients express their opinion about our company.
- Through our private banking arrangements, we allow you to negotiate with a leasing company or a letter of credit.
- We have eliminated your obligation to sign a contract in a language you do not know or understand by preparing product contracts that we accept in the language of choice of our customers. This allows us to avoid the problems associated with misunderstanding contracts that you will sign in another language. In addition, by having these contracts approved by the appropriate governmental units, we give them an international character and make it easy for you to assert your rights in the event of any disruptions that may occur.



- We write the raw materials and measurements to be used in the production in the contract together with the technical specification, and we tie them to the standard in a way that will not give the opportunity for bad surprises later.
- We offer our customers a more comfortable and secure business environment through our business conditions that mutually protect the seller and buyer, collections are made in three stages and for completed parts only, and penal conditions to avoid possible delays and property damage.
- During the manufacturing process of the plant you purchased, we provide your infrastructure project free of charge for the preparatory work you need to do at your plant site. Thus, while your production is going on, we allow you to prepare your infrastructure in parallel and start the production as soon as possible without losing time.

- We offer our customers who have signed the contract the possibility to follow the production process of their own product with the given IP number and also to follow the shipment with the container number on the website.
- We register the quality of all the products we manufacture with the Euro certificate of conformity. In this way, we offer the products you buy the possibility to easily enter the country you are in without being blocked by customs legislation related to compliance.
- We do not charge any installation fees for setting up the equipment you have purchased. During the trial and test productions that we carry out on your own site, we provide your staff with the necessary operator training and user certificate free of charge.
- By performing our warranty work between 72 and 120 hours, we offer the possibility to solve any problems that may arise in the shortest possible time. Moreover, we also reduce your waiting time to a minimum thanks to our production and availability of spare parts in stock.
- Thanks to our 24-hour online technical assistance line, we offer you the possibility to reach us easily and quietly in any language via our website.





## REFERENCE IMAGES

