



B E Y A Z L I G R U P



"We are heading into the future with confidence"



GENERAL DESCRIPTION OF THE COMPACT SYSTEM

IT IS A PROFESSIONAL MACHINE SYSTEM WHICH ENABLES TO PRODUCE THESE PRODUCTS IN ONE PLACE LIKE READY MIX CONCRETE – BRICK ASMOLEN - CONCRETE PAVING BLOCK AND CURBSTONE, IT HAS A BIG POTENTIAL PRODUCTION CAPACITY AND AIMS EVERY TIME ECONOMIZE AND MAXIMUM EFFICIENCY. BY YOUR CHOICE; DESIGNED TO BUILD THAT YOU CAN ADD MANY DIFFERENT OPTIONAL EQUIPMENTS AND MACHINE SYSTEM CAN BE UPGRADED.

FACTORY : TRABZON – ERZURUM DEVLET KARAYOLU ÜZERİ 9.Km. AKOLUK BELEDİYE KARŞISI – ÇAĞLAYAN / TRABZON / TURKEY
FACTORY : +90 462 357 30 62 / OFFICE : +90 462 321 07 78 / GSM : +90 549 325 66 70 / WEB : www.vessmachine.com / Email : toure@beyazligroup.com



Please consider the environment before printing this document

WHY COMPACT

IT IS A SPECIAL SYSTEM THAT PROVIDING MAXIMUM BENEFIT FOR USER, DESIGNED AT OUR R&D DEPARTMENT THAT AND WE MADE THIS SYSTEM IN ORDER TO FIX THE PROBLEMS WITH CONSTRUCTION PROCESS OCCURED NOT ONLY FROM OUR COMPANY BUT ALSO FROM OTHER COMPANIES TOO. WITH NEW GENERATION COMPACT SYSTEM, WE ARE OFFERING TECHNOLOGICAL SOLUTIONS FOR THE SECTOR...

PLANT INSTALLATION LAYOUT



- * QUALITY PRODUCT – REASONABLE PRICE
- * AUTOMATION SYSTEM FOR EVERY BUDGET
- * MAXIMUM INCOME WITH LESS PERSONNEL
- * ABILITY MASS PRODUCTION WITH HIGH PERFORMANCE
- * SPEND LOW ENERGY – MINIMUM CONSUMPTION
- * NEEDS LESS PLACE FOR CONSTRUCTION AREA
- * ABILITY TO CREATE CLOSED AREA FOR ITSELF
- * LOW INFRASTRUCTURE AND MONTAGE EXPENSE
- * EASY AND ECONOMICAL SHIPMENT WITH DEMOUNTED DESIGN
- * ABILITY TO PRODUCE DIFFERENT PRODUCTS
- * WIN MORE TIME WITH ITS SPECIAL EQUIPMENTS
- * WEIGHING MORTAR SYSTEM – STANDARD QUALITY AT EVERY PRODUCTION
- * SPARE PARTS THAT CAN BE FOUND EVERYWHERE
- * LOW COST FOR MAINTENANCE
- * AUTOMATION PROGRAM THAT CAN BE ABLE TO USE EASILY ON EVERY LANGUAGES
- * PANELS THAT CAN WORK IN DIFFERENT ENERGY CONDITIONS
- * SPECIAL EQUIPMENTS WHICH DO NOT NEED MAINTENANCE
- * MECHANICAL FATIGUE SPECIAL BREAKING SYSTEM ON HYDRAULICS
- * EASY SET UP ABILITY AT YOUR OWN FACILITY
- * ABILITY TO REMOVE EASILY THE WHOLE SYSTEM FROM ONE PLACE TO ANOTHER



WHEN YOU BUY THE COMPACT SYSTEM

* READY MIX CONCRETE PLANT	CAN BE USED
* TILE AND ORNAMENTAL STONE	CAN BE USED
* HOLLOW BLOCK AND ASMOLAN MACHINE	CAN BE USED
* LINTEL AND CONCRETE FENCE POST MACHINE	CAN BE USED
* PAVING BLOCK AND CURBSTONE MACHINE	CAN BE USED
* ROOF GUTTER AND LAWN STONE MACHINE	CAN BE USED
* STRAPHORED BRICK AND LEGO BLOCK MACHINE	CAN BE USED

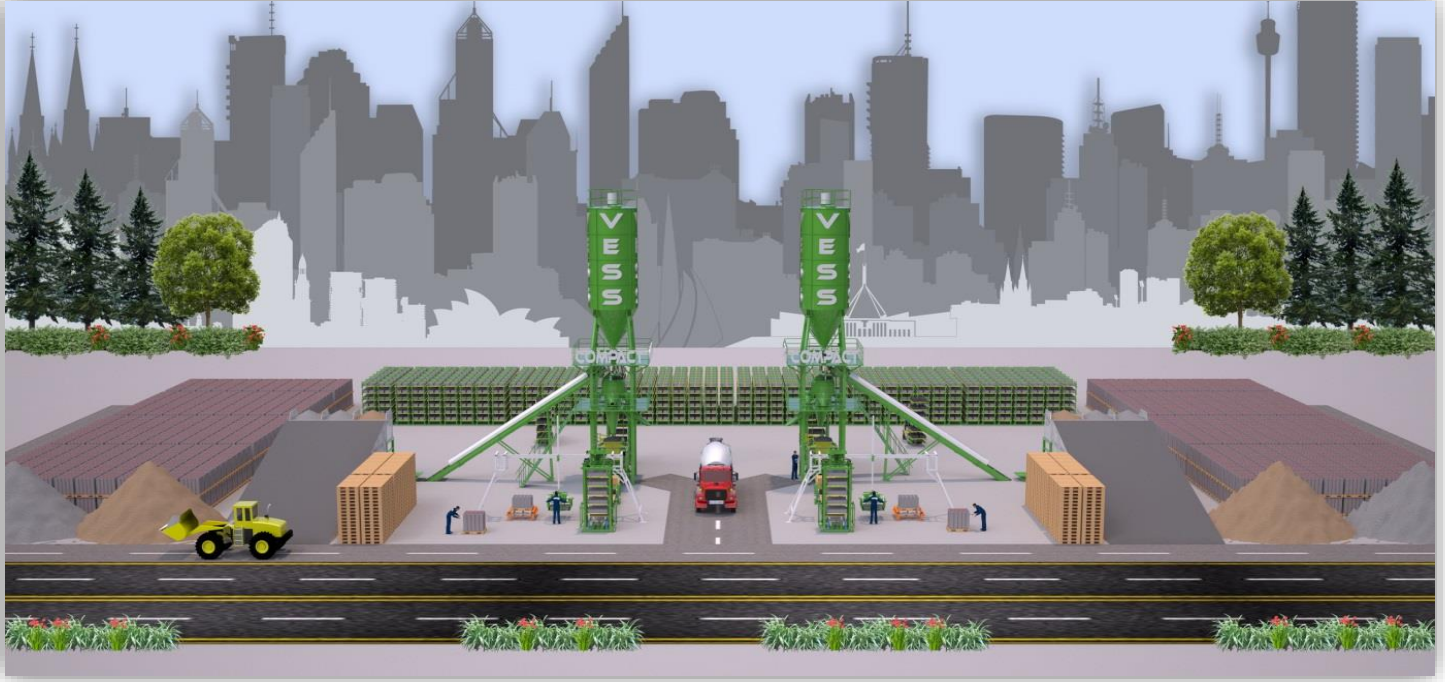
COMPACT MACHINE SERIES

* ECO SERIES	SEMI AUTOMATIC STATIONARY SYSTEM – WITHOUT SILOS HOPPER – CARRYING PALLETS WITH HANDCART
* CLASSIC SERIES	SEMI AUTOMATIC STATIONARY SYSTEM – WITH SILOS AND HOPPER – CARRYING PALLETS WITH HANDCART
* ELEGANCE SERIES	SEMI AUTOMATIC STATIONARY SYSTEM – WITH SILOS AND HOPPER – CARRYING PALLETS WITH FORKLIFT
* AVANTGARDE SERIES	FULLY AUTOMATIC STATIONARY SYSTEM – WITH SILOS AND HOPPER – CARRYING PALLETS WITH FORKLIFT
* DIAMOND - 8 SERIES	SEMI AUTOMATIC LAYING MACHINE SYSTEM – WITH SILOS AND HOPPER
* DIAMOND - 12 SERIES	SEMI AUTOMATIC LAYING MACHINE SYSTEM – WITH SILOS AND HOPPER

SOME OPTIONAL PACKETS

* PRO PACKET	ABILITY TO ADD EXTRA OPTIONAL EQUIPMENTS
* PRO PLUS PACKET	ABILITY TO ADD EXTRA SPARE PARTS
* LONG PACKET	ABILITY TO PACKAGING AUTOMATICALLY
* PREMIUM PACKET	ABILITY TO PRODUCE AGGREGATE WITH CRUSHING- SCREENING

MACHINE IS ABLE TO PRODUCE 600 DIFFERENT GEOMETRIC SHAPES WITH PRESS SYSTEM, BY THE WAY JUST CHANGING THE MOULD, THE MACHINE CAN ABLE TO PRODUCE EVERY GEOMETRIC STONE SHAPES WHICH HEIGH BETWEEN 2 - 25 CM EASILY THAT YOU CAN NOT FIND OTHER COMPANIES IN THE SECTOR. IN THE LAYING MACHINE DIAMOND SERIES, STONES HEIGHT WILL BE PRESSED BETWEEN 18 - 22 CM.



PRODUCTION CAPACITY OF COMPACT SERIES

AT ONE PRESS **20 PIECES** OF 10 x 20 BRICK STONE - **15 PIECES** OF KNUCKLE STONE - **1 PIECE** 1 M OF CURBSTONE. ABLE TO PRODUCE READY MIX CONCRETE WITH **0,25 m³ MIXER** : 120 m³ / AT 8 HOURS AND WITH **0,50 m³ MIXER** : 240 m³ / 8 HOURS. WHEN THIS CALCULATION IS MADE, IT IS PREDICTED THAT THE CONCRETE MIX OR PALLET FEEDING PROCESS NEEDED FOR PRODUCTION IS RECEIVED SIMULTANEOUSLY WITH THE MACHINE. OTHER PRODUCTION INFORMATION ARE IN THE TABLE BELOW.

PRODUCT TYPE	NUMBER OF PRODUCTS ON PALLET	DAILY CAPACITY (8 HOURS)
CONCRETE HOLLOW BRICKS 100 x 400 x 200	9	9.000
CONCRETE HOLLOW BRICKS 150 x 400 x 200	6	6.000
CONCRETE HOLLOW BRICKS 200 x 400 x 200	5	5.000
CONCRETE HOLLOW ASMOLIN 250 x 400 x 200	4	4.000

PRODUCT TYPE	NUMBER OF PRODUCTS ON PALLET	DAILY CAPACITY (8 HOURS)
INTERLOCKING PAVING BLOCK	15	400 m²
ROTARY PAVING BLOCK	14	375 m²
RECTANGULAR PAVING BLOCK	20	375 m²
CURBSTONE 150 x 300 x 1000	1	1.000

WE ARE OFFERING SOLUTIONS FOR PROBLEMS CURRENTLY HAPPENING IN THE SECTOR

* REASONABLE PRICE AND LOW INVESTMENT COST

AGAINST OTHER COMPANIES IN THE SECTOR THAT AIMING TO GET HIGH PROFITABILITY AND TRYING TO SELL IN THE BEGINNING EQUIPMENTS WHICH YOU DO NOT NEED; WE DESIGNED PATENTED COMPACT MACHINE. IN THIS KIND OF MODEL, WE HAVE REMOVED A LOT OF EQUIPMENT THAT IS NOT NECESSARY TO START MANUFACTURING, ALLOWING YOU TO INVEST WITH A LOW COST OF OWNERSHIP AND WITH OUR MODULAR EQUIPMENT ACCORDING TO FUTURE DEMANDS. IN ADDITION, WITH ITS SPECIAL DESIGN, WE STOPPED TO MAKE EXPENSE THAT REMOVED EXTRA EQUIPMENTS LIKE CONVEYOR BELT AND CEMENT FEEDING SCREW, WHICH NEED TO USE THEM FROM OTHER COMPANIES.

* HIGH PRODUCTION CAPACITY

ABOUT THE PRODUCTION CAPACITY WHICH IS THE MOST IMPORTANT SUBJECT THAT AFFECTS LABOR COSTS: IN OUR COMPACT MACHINES, WE DESIGNED THAT ALL COMMANDS WILL BE GIVEN THROUGH THE COMPUTER SYSTEM AS A PROCESS SEQUENCE. BY THIS WAY WHEN COMPARED SYSTEM AGAINST THE HUMAN CONTROLLED TYPE, THE MACHINE IS ABLE TO PRODUCE MORE EFFICIENT AND HIGH CAPACITY PRODUCTS OWING TO REMOVE PAUSE, STANDBY TIME. BY PLACING SPECIAL BRAKING SYSTEM ON THE VIBRATION MOVEMENT, WHICH IS REQUIRED FOR PRESSING, THAT ABLE TO PASS NEW PRESSING PROCESS WITHOUT WAITING FOR STANDBY TIME OF THE MOTORS, BY THIS WAY YOU SAVE THE TIME, AND IT MAKES A POSSIBLE TO REFLECT ON THE PRODUCTION DIRECTION POSITIVELY AND INCREASE CAPACITY MUCH HIGHER.

FOR AREA WHERE BELONGS TO MACHINES TO PRODUCE THAT NEEDS MORE PERSONNEL (PICKING UP STONES / PACKAGING), WE DESIGNED THIS SYSTEM TO OPERATE SYNCHRONOUSLY AND RAPIDLY. IT HELPS TO KEEP ALL PERSONNEL TOGETHER ALLOWING MORE EFFICIENCY FROM THEM. WE AIMED THAT YOU CAN REACH MORE PRODUCTION CAPACITY BY THE SPECIAL EQUIPMENTS, WHICH WE USED IN THE SYSTEM. MACHINE DOES NOT NEED MAINTENANCE AND YOU CAN CONTINUE TO PRODUCE THE TIMELINE WHEN YOU NEED TO SPEND TIME FOR MAINTENANCE - FIXING. ALL THESE FEATURES ALLOW US TO CALCULATE THE COST OF THE PRODUCT AS THE RESULT DIVIDING THE TOTAL LABOR COST BY THE TOTAL AMOUNT OF PRODUCTION AND PROVIDE BETTER RESULT.

* LESS PERSONNEL NEEDS – MAXIMUM INCOME

ABOUT THE PERSONNEL EXPENSES WHICH ARE ONE OF THE MOST EXPENSIVE COST IN THE PRODUCTION: WE DESIGNED A SPECIAL PROGRAM THAT HELPS TO CONTROL MORTAR SYSTEM BY ONLY ONE OPERATOR AT ONE POINT. BY THE WAY, WE DESIGNED A SPECIAL PANEL THAT CAN ABLE TO GIVE COMMAND AT THE SAME TIME FOR HYDRAULIC UNITS WITH THREE COMMAND STICKS. WE AVOIDED UNNECESSARY PERSONNEL COSTS WITH WHOLE SYSTEM THAT CAN BE CONTROLLED ONLY BY ONE OPERATOR. WE DESIGNED COMPACT SYSTEM SOFTWARE THAT ALL MOVEMENTS CAN BE GATHERED FOR PRODUCTION AND COMPUTER SYSTEM WITH PERSONNEL MOVEMENTS CAN BE SYNCHRONOUS TOGETHER. WITH COMPACT SYSTEM WHICH IS ABLE TO OPERATE ALL PRODUCTIONS IN ONE PLACE, EMPLOYER CAN CONTROL THE WORKERS EASILY, GETTING MORE EFFICIENCY AND WE PROVIDE TO GAIN MORE PROFIT WITH LESS PERSONNEL.

* LOW ENERGY USE – MINIMUM CONSUMPTION

ABOUT THE ELECTRICAL CONSUMPTION WHICH IS ONE OF THE MOST EXPENSIVE COST IN THE PRODUCTION: WE USED SPECIAL MOTORS IN OUR MACHINES USING LOW CURRENT AND SUPPLYING HIGH PERFORMANCE. WITH COMPACT MACHINES THAT TOTALLY POWER USAGE IS 26 KW / 50 - 60 HZ, ONE OF THE LOWEST CONSUMPTION IN ITS AREA, THE ENERGY COSTS REFLECTED TO THE PRODUCTION COSTS TO A MINIMUM LEVEL. ENERGY CONSUMPTION THAT WE PROVIDE IS LESS THAN 11 KW COMPARED WITH CLOSEST COMPETITOR.

* NEEDS LESS PLACE FOR CONSTRUCTION AREA

BESIDE TO AVOID DIFFICULTY OTHER MANUFACTURER COMPANIES DESIGNED THEIR MACHINES WITH MORTAR SYSTEM FROM THE GROUND DURING MONTAGE PROCESS: WE DESIGNED OUR PATENTED MODEL COMPACT MACHINE WITH USING TECHNOLOGICAL DEVELOPMENTS AND HIGH ENGINEERING SERVICES. WE PROVIDED THIS SYSTEM BESIDE OTHER MANUFACTURER COMPANIES AVOIDING PRODUCING BECAUSE OF HIGH COST AND COMPLEXITY. WE MADE THIS SYSTEM TO MINIMIZE THE SPACE REQUIRED FOR MACHINE INSTALLATION IN THE TOTAL PRODUCTION SITE, TO USE MORE SPACE FOR STOCK AND DELIVERY, AND TO REDUCE THE COST OF HIRING LARGE AREAS FOR TARGETED CAPACITY, WE ENABLED YOU TO PRODUCE HIGHER-CAPACITY PRODUCTIONS IN SMALL AREAS.

* LOW INFRASTRUCTURE AND MONTAGE EXPENSE

FOR NEW CONSTRUCTION PLANTS INFRASTRUCTURE WORKS VERY HARD AND MONTAGE EXPENSE IS TOO MUCH : PLANTS WHICH WILL BE INSTALLED IN A BIG AREA, NEED TO PREPARED HEAVY CONCRETE FLOOR AND APPEAR EXPENSE FOR ROOFING. BY THE WAY, WE KEEP LOW AREA FOR INSTALLATION COMPACT MACHINES THAT WE MINIMIZED EXPENSES FOR PREPARING CONCRETE FLOOR AND OBLIGATION TO ROOFING.

IT IS ENOUGH TO PREPARE CONCRETE FLOOR WITH VERY LITTLE AREA FOR THE MACHINES, WHICH PLACED REPEATEDLY BECAUSE OF THE FLOOR MACHINES, ARE VERY SMALL. WE DID NOT MAKE ANY EXTRA EXPENSE BY FIXING FEET THAT WILL BE SEND FROM CONCRETE AREA. BY THE WAY, WE REMOVED THE OBLIGATION OF ROOFING COSTS FOR THE MACHINE AND MIXER BY PLACING TWO SEPARATE PLATFORMS ON TOP OF EACH OTHER. WE PUT STAIRS AND WALKING PATHS FOR THESE PLATFORMS WITH RAILING. BY THESE HANDRAILS THAT CAN BE REMOVED AND INSTALLED EASY, WE PROVIDED EXTRA SECURITY.

IF WANTED TO CREATE A CLOSED SPACE TO PROTECT FROM THE NATURAL CONDITIONS, THE OVERHEAD PLATFORMS ARE ABLE TO COVER THIS REQUIREMENT WITH LOW COST ELEMENTS LIKE TARPAULIN - PVC - SANDWICH PANEL.

WE HAVE SAVED THE NUMBER OF PERSONNEL TO BE ASSEMBLED WITH THE DEMOUNTING AND NUMBERING SYSTEM; WE COMPLETED THE NECESSARY OPERATIONS QUICKLY THAT YOU CAN ABLE TO PRODUCE QUICKLY AND SAVED THE TRANSFER AND THE COST OF THE ACCOMMODATION THAT BELONGS TO BUYER.

* EASY AND ECONOMICAL SHIPMENT WITH DEMOUNTED DESIGN

EQUIPMENTS IN THE SYSTEMS ARE DESIGNED BY MORTAR FROM THE GROUND THAT NEEDS A BIG AREA FOR CONSTRUCTION, MAKE DIFFICULTIES FOR SHIPMENT AND FOR BUYERS, BECAUSE OF MAKING BY WELDING AND COMPLETE TYPE: IN THE RESULT OF THAT GROWTH OF THE CONTAINER VOLUMES AND THE INTERIM TRANSPORTATION ARE CAUSED BY THE HIGH PRICES OF OTHER TRANSPORTATION - SUCH AS DRAINAGE VINEYARDS. IN THE DEMOUNT COMPACT SYSTEM, WE DEVELOPED AGAINST THIS PROBLEM WE PROVIDED GREAT ADVANTAGE TO OUR CUSTOMERS IN THE WAY THAT WE DO NOT HAVE TO WELD ALL THE EQUIPMENTS BUT WE WILL COMBINE THEM WITH BOLTS. BY PLACING THE HYDRAULIC UNIT TANK IN THE MAIN BODY, WE PROVIDED YOU WITH A DISTINCT ADVANTAGE IN SHIPMENT.

* UPGRADABLE PRODUCTION QUALITY WITH MODULAR SPARE PARTS

AS OPPOSED TO MANY EQUIPMENT THAT COMPETITIVE COMPANIES ARE TRYING TO SELL BY FORCING THEM OUT OF PRODUCTION AND CAUSING YOUR INITIAL INVESTMENT COSTS TO RISE TO HIGHER LEVELS: WE PRODUCED OPTIONAL - MODULAR EQUIPMENTS THAT CAN BE PURCHASED AS A BASIC MODEL AND CAN BE ADDED TO THE SYSTEM AS NEEDED. MOREOVER, WE DESIGNED YOUR FACILITY TO OPERATE SMOOTHLY ALSO WITHOUT THESE EQUIPMENTS. BY THIS WAY, WE PROVIDED AN OPPORTUNITY FOR YOUR FACILITY THAT YOU COULD PUT INTO MORE EQUIPMENTS TO YOUR MACHINE WITH MAKING MORE MONEY.

THESE ARE THE OPTIONAL - MODULAR EQUIPMENTS WHICH YOU CAN UPGRADE AFTER BUYING AS A BASIC MODEL : EXPEDITE TIME PROCESS FOR FILLING MOULDS WITH SHAKING GRATE / PRODUCE STONE WITH TWO LAYERS BY SECOND MORTAR HOPPER / OIL COOLING FOR HYDRAULIC UNIT / INCREASE DIVERSITY WITH EXTRA MOULD MODELS / ADD FILTER INTO THE CEMENT SILOS - SAFETY VALVE - AGITATION GEL LIKE THESE SPARE PARTS WHEN NEEDED CAN BE ADDED TO INCREASE THE CAPACITY / REDUCE EXPENSES OF PERSONNEL WITH UPGRADING AUTOMATION SYSTEM / PRODUCE DIFFERENT PRODUCTS LIKE READY MIX CONCRETE WITH MIXER OUTPUTS / INCREASE PRODUCTION CAPACITY BY ADDING MORE HOPPER AND USING DIFFERENT AGGREGATE / EXCEPT LOWER VIBRATION AS A STANDARD EQUIPMENT UPPER VIBRATION CAN AVOID TO BE CRACKED BY VACUUM AFFECT ETC.



* ABILITY TO PRODUCE DIFFERENT PRODUCTS BY ERGONOMIC DESIGN

AGAINST THE OTHER COMPANIES THAT WANT TO SELL FOR EVERY NEW PRODUCTION A NEW MACHINE, WE DESIGNED A COMPACT MACHINE WHICH ADDED A SMALL NUMBER OF OPTIONAL COMPONENTS TO THE SYSTEM THAT YOU CAN MAKE MANY DIFFERENT PRODUCTS IN ONE FACILITY : WE AIMED TO MAKING EVERY PLANNED PRODUCTION IN A SINGLE FACILITY WITHOUT EXTRA COST, KEEPING THE NUMBER OF PERSONNEL WORKING IN THE SAME MANNER AND REDUCING LABOR AND ENERGY CONSUMPTION EXPENSES REFLECTED BY PRODUCTION, AND INCREASING OUR CUSTOMERS PRODUCT RANGE AND PUTTING THEM AHEAD OF COMPETITORS.

BY THESE FEATURES COMPACT SYSTEMS HAVE BEEN RECOGNIZED A NEW GENERATION IN THE FIELD OF CONCRETE PLANTS AND PRESS MACHINES.

* STANDARD QUALITY AT EVERY PRODUCTION WITH WEIGHING MORTAR SYSTEM

THE MOST IMPORTANT CRITERION FOR READY MIXED CONCRETE AND PRODUCTS IS TO SUPPLY THE SAME QUALITY PRODUCT CONTINUOUSLY AND ON THE SAME STANDARD MARKET. PRODUCTS THAT DO NOT PROVIDE CONTINUITY IN THE MARKET WILL CAUSE YOU TO LOSE YOUR BRAND VALUE IN THE MARKET AND YOU WILL BE LOST YOUR CUSTOMER. IN TODAY'S CONDITIONS, MANY COMPANIES USE PRIMITIVE AND EYE-CATCHING RAW MATERIALS TO BREAK THE PRODUCT QUALITY: THANKS TO THE COMPUTER-CONTROLLED AND PRECISE WEIGHING SYSTEM WE USE TO MAKE MORTAR IN OUR COMPACT MODEL, WE ARE ABLE TO USE THE SAME RAW MATERIAL CONTINUOUSLY AND PRODUCE THE SAME QUALITY PRODUCTS CONSTANTLY.

BY PREVENTING THE CARELESS USE OF CEMENT, WHICH IS THE RAW MATERIAL THAT AFFECTS THE PRODUCTION COST THE MOST, WE HAVE REDUCED THE COST OF THE LOSSES PUT INTO THE COST PRICES, AND WE HAVE PUT THE DIGITAL MEASUREMENT SYSTEM FOR THE WATER USED AS THE CONSTITUENT IN THE MORTAR FORMATION TO PREVENT THE MANUFACTURING LOSSES FROM BEING INCOMPLETE.

WE HAVE ENABLED YOU TO OBTAIN ROBUST PRODUCTS THAT WILL PASS COMFORTABLY THROUGH THE PUBLIC ENDURANCE TESTS, ESPECIALLY WHEN APPLYING TO GOVERNMENT AGENCIES PRODUCTS.

* AUTOMATION SYSTEM FOR EVERY BUDGET

IN THESE DAYS, A LOT OF MANUFACTURER COMPANIES PREFER MACHINES WITH MANUAL CARRYING SYSTEM BECAUSE OF THE HIGH COST AUTOMATION AND PROGRAMS. WHEN YOU NEED TO UPGRADE YOUR PLANT AFTER, OTHER COMPANIES WILL TRY TO SELL NEW MACHINES BUT NOT UPGRADE THE MACHINE IN ORDER TO INCREASE THEIR INCOME: WE DESIGNED COMPACT MACHINES THAT FIRST YOU BUY AS A BASIC MODEL LIKE MANUAL PRODUCTION AND MANUAL CARRYING SYSTEM BUT AFTER DEPENDS ON YOUR NEEDS, YOU CAN UPGRADE THE SYSTEM TO SEMI AUTOMATIC AND ALSO FULLY AUTOMATIC.

AFTER A WHILE YOU WILL NEED TO BUY AUTOMATIC SYSTEMS BECAUSE, FOR PRODUCTION MORE LABOR AND MORE AREA ARE REQUIRED WITH SEMI AUTOMATIC SYSTEM.

BY COMPACT MACHINES THAT CAN BE CONVERTIBLE EASILY, WE PROVIDED TO KEEP PERSONNEL EXPENSE LOW AND YOU CAN ABLE TO STOCK MORE PRODUCTS IN YOUR CONSTRUCTION AREA. BY THIS WAY, WE MADE THESE MACHINES THAT IT IS POSSIBLE TO UPGRADE THEM EASILY WITHOUT SELLING YOUR OLD MACHINES TO CHANGE WITH A NEW ONE. MOREOVER, IT CAUSES KEEP MORE MONEY FOR YOUR BUSINESS.



*** AUTOMATION PROGRAM THAT CAN BE ABLE TO USE EASILY ON EVERY LANGUAGES**

DUE TO THE FACT THAT MACHINE MANUFACTURERS DESIGNED AUTOMATION PROGRAM PANELS COMMAND IN ONE LANGUAGE, THE OPERATORS' ATTEMPTS TO COMMAND THE SYSTEM ON A FOREIGN LANGUAGE SIDE CAUSE BOTH VERY SLOW PRODUCTION AND HIGH ERROR RATE : THANKS TO THE PROGRAMMING OF THE PANELS USED IN THE COMPACT MODEL WITH THE LANGUAGE OF EACH COUNTRY, WE MADE IT POSSIBLE GIVING COMMANDS EASILY BY OPERATOR AND TO PRODUCE FAST AND SMOOTH PRODUCTION WITH SIMPLE DESIGN.

WE ENABLED YOU TO KEEP YOUR COSTS UNDER CONTROL THANKS TO USER-FRIENDLY PROGRAMMING, WHICH ALLOWS YOU TO GET THE RAW MATERIAL YOU USE AND KEEP TRACK OF YOUR PRODUCTION AND ABLE TO RECEIVE REPORT BY PRINTER.

THANKS TO THE SPECIAL DESIGN WE DESIGNED TO MAKE THE SYSTEM EASIER TO UNDERSTAND AND COMMAND ON THE OPERATOR SIDE, WE SHORTENED THE TIME FOR ADAPTING TO THE NEW STAFF AND ALSO ENABLED YOU TO REMOTELY CONTROL THE SYSTEM BY USING THE TABLET PC

*** ELECTRICAL PANELS THAT CAN WORK IN EVERY COUNTRIES ENERGY CONDITIONS**

EXCEPT OTHER MANUFACTURER COMPANIES DESIGNED STANDARD - ONE TYPE ELECTRICAL PANELS WHICH ARE NOT SUITABLE FOR OPERATING EFFICIENTLY IN THE CONSTRUCTION AREA OR NOT SHOWN THE EXPECTED PERFORMANCE, WE DESIGNED SPECIAL ENERGY PANELS, SUITABLE FOR NATURE CONDITIONS, NOT AFFECTED BY DUSTY AREA AND CAN BE ADAPTED FOR DIFFERENT ENERGY VALUES: FOR EXAMPLE IF ELECTRICAL VALUE 60 HZ IN THE CONSTRUCTION AREA, INSTALLATION SYSTEM SHOULD BE ADAPTED TO THIS VALUE.

ELECTRICAL PARTS ARE AFFECTED BY DUSTY AREA, HOT OR COLD WEATHER. ELECTRIC PULLING THE DUST IN THE AIR AND IT PREVENTS TO WORK SAFETY FUSE AND KEYS PARTS. BY THE WAY, SOME COMPANIES PREFERRING TO USE PRODUCTS THAT CAN BE ABLE TO WORK IN 220 VOLT BECAUSE OF THE DIFFERENCE PRICE. THE PRODUCTS THAT THEY PREFERRED FOR LOW PRICES ARE NOT PROVIDING SECURITY FOR WORK AND THREATENING HUMAN LIFE COMPLETELY. FOR AUTOMATION PANELS IN THE COMPACT MODELS WE PRODUCED THAT THEY CAN ABLE TO OPERATE IN HOT - COLD, DUSTY - WET LIKE THESE SITUATIONS AND PREFERRED TO USE HIGH PROTECTION CLASS EQUIPMENTS. WE USED 24 VOLT ENERGY FOR ALL VALVES AND SENSORS THAT REMOVED THE RISK OF POSSIBILITY ELECTRIC SHOCK.

*** 3 X 3 COMMAND SYSTEM THAT CAN BE USED EASILY - NOT USED ON AUTOMATIC MACHINES AT AVANTGARDE SERIES**

EXCEPT OTHER MANUFACTURER COMPANIES ARE DESIGNED VERY COMPLICATED COMMAND SYSTEM AT SEMI AUTOMATIC SYSTEMS AND OBLIGATION ALWAYS TO USE QUALIFIED PERSONNEL, WE DESIGNED 3 X 3 COMMAND SYSTEM THAT CAN BE USED VERY EASILY - EASY TO LEARN AND CAN BE ADAPTED FAST. BY THIS WAY WE PROVIDED THAT, YOU DO NOT NEED TO FIND QUALIFIED PERSONNEL TO OPERATE SYSTEM AND WHEN ONE PERSONNEL CHANGES WITH THE NEW ONE CAN BE ADAPTED EASILY. TRANSACTION COMMANDS ARE SHOWN AT THE BOTTOM THAT OPERATOR AND AUTOMATION SYSTEM SYNCHRONIZED TOGETHER: EQUIPMENTS ARE WORKING WITH HYDRAULIC BY OPERATOR: TOTALLY, WITH 3 PIECES COMMAND STICK "1ST MOVEMENT FEMALE MOULD DOWN - UP/ 2ND MOVEMENT MALE MOULD DOWN - UP/ 3RD MOVEMENT MORTAR CARRIER FORWARD - BACKWARD " THESE MOVEMENTS CAN BE GIVEN.

PLC PROGRAM GIVES THESE COMMANDS TO WORKING EQUIPMENTS WITH ELECTRIC: GIVING 3 COMMANDS LIKE THESE "1ST MOVEMENT OPENED - CLOSED THE MORTAR HOPPER CASE AUTOMATICALLY / 2ND MOVEMENT AUTOMATICALLY PULLS PALLET INTO THE MACHINE/3RD MOVEMENT GIVES COMMAND AUTOMATICALLY TO GIVE VIBRATION.



*** QUALIFIED STANDARD AND DESIGN WITH OPTIONAL EQUIPMENTS**

EXCEPT OTHER MANUFACTURER COMPANIES PRODUCED NOT NECESSARY SPARE PARTS AND EQUIPMENTS, IN OUR COMPACT MACHINES THESE ARE THE EQUIPMENTS WHICH USING STANDARD OR OPTIONAL THAT SPECIALLY DESIGNED. (FOR STANDARDS **ST**- CODE, FOR OPTIONAL **OP**- CODE)

ST- THE SOFTENING OF THE HYDRAULIC PARTS REDUCES THE IMPACT AND IMPACT LEVEL DECREASE TO MINIMUM LEVEL, AVOIDING THE MECHANICAL FATIGUE ON THE MACHINE. BY THE WAY IT AVOIDS POSSIBLE DAMAGE TO THE PISTONS AND REDUCES THE DAMAGE COSTS.

ST- VIBRATING MOTORS ARE EQUIPPED WITH A SPECIAL MOTOR DRIVER TO PROTECT THE MOTORS, AND WITH BRAKING SYSTEM, IT SHORTENS THE STOPPING PERIOD AFTER PRESS, THIS ALLOWS TO START NEW PRODUCTION IN A SHORTER TIME AND INCREASE YOUR CAPACITY.

ST-THE VIBRATING TABLE IS NOT DESIGNED AS A SINGLE PIECE BUT AS A SLICE, BY THIS WAY THE VIBRATION FORCE GIVEN BELOW IS EVENLY DISTRIBUTED ON EACH SIDE AND EVERY PRODUCT PRESSED WITH THE SAME QUALITY. THE CHANGING OPERATION OF THE SLICE TABLE CAN BE DONE IN A VERY SHORT TIME AND AT LOW COSTS AND WE PROVIDE EXTRA TIME AND MONEY.

OP- THANKS TO OUR SPECIAL ELEVATOR DESIGN FOR THE STACKING SYSTEM, IT IS POSSIBLE TO USE THE LOWER - UPPER SURFACES OF THE PALLETS WITH BOTH SIZES TOGETHER AND THE DEPRECIATION COSTS CAN BE LOWERED DUE TO THEIR LONGER LIFE.

ST- IN THE VIBRATION TABLE, BOTH THE RUBBER WEDGE AND THE SPRING ARE USED TO PREVENT THE VIBRO MOTORS FROM RUNNING UNLOADED AND TO PREVENT THE DIFFICULTIES IN THE MOTORS. PROBLEMS SUCH AS BREAKING AND CRACKING, WHICH ARE LIKELY TO OCCUR AS THE CONNECTION BETWEEN THE VIBRATION FORCE AND THE MAIN FRAME IS COMPLETELY CUT OFF, ARE ALSO AVOIDED.

OP- THANKS TO THE VIBRATIONS PLACED ON THE UPPER PART FOR THE CONCRETE BLOCK PRODUCTION, THE VACUUM AFFECT BETWEEN THE MOLD AND THE CONCRETE BLOCK WAS LIFTED WITHOUT ANY DISTURBANCE AND BREAKS ON THE SURFACE OF THE PRODUCT AND PREVENTED AGAINST BREAKS.

ST- THANKS TO THE AUTOMATIC SPRING ERASER THAT WE PUT IN THE MORTAR CARRIER, IT HAS ADDED THE ABILITY TO CLEAN THE AREA THAT CAN MAKE MOVEMENT IN EACH FORWARD AND BACKWARD.

OP- THANKS TO THE GRATE SHAKING WE PUT IN THE MORTAR CARRIER, WE SHORTEN THE MANUFACTURING TIME, PREVENTING THE MACHINE FROM GETTING TIRED. BY THIS WAY IT CAN FILL RAW MATERIALS INTO THE MOULD AT EVERY POINT AND EQUIL AMOUNT AND AVOID THE POSSIBLE PRODUCT COLLAPSES AND LOSSES THAT CAN BE CAUSED BY LESS FATIGUE OF THE MACHINE.

ST- BY PUTTING SUCTION - RETURN AND AIR FILTRATION INTO THE HYDRAULIC SYSTEM, WE MADE IT POSSIBLE TO RENEW ITSELF EVERY TIME THE OIL TANK RISES AND TO LAST LONGER. AT THE SAME TIME, WE REDUCED THE COST OF MAINTENANCE TO A MINIMUM BY PREVENTING EXTERNAL MATERIALS FROM ENTERING THE HYDRAULIC PUMP.

ST- BY ITS SPECIAL DESIGN WE MADE FOR THE HYDRAULIC SYSTEM, IT IS EASY AND EFFORTLESS TO CARRY OUT THE PROCESS WHICH MAKES IT IMPOSSIBLE FOR THE OTHER MACHINE COMPANIES TO MAKE THE CHANGES WITHOUT THE HYDRAULIC OIL BEING DRAINED FOR THE FILTERS WHICH REQUIRE TO CHANGE AND THIS PREVENTS UNNECESSARY EXTRA COST FROM BEING DISCHARGED.

ST- THE BEARINGS WITHIN THE HYDRAULIC PISTONS HAVE BEEN PREVENTED FROM DAMAGING THE PISTON SHAFT AND THE PIPE BY USING A SOLID BRONZE MATERIAL, AND WE HAVE ACHIEVED THEM TO BE A LONG LIFE.



ST- WE DESIGNED **THE CONNECTION POINTS** OF THE HYDRAULIC PISTONS TO BE CHANGEABLE. WE MADE IT MUCH EASIER TO CHANGE THE PARTS AT THE SAME TIME. INSTEAD OF REPLACING THE WHOLE PARTS, WE MADE IT POSSIBLE TO REPLACE THE PROBLEMATIC PARTS WITH A NEW ONE. WITH THIS FEATURE OF THE COMPACT MACHINES, MAINTENANCE AND EXCHANGE COSTS REQUIRED FOR HYDRAULIC COMPONENTS ARE AT A MINIMUM LEVEL.

ST- AFTER YOU CHANGE THE SPECIAL DESIGN WE MADE FOR THE MORTAR CARRIER **WALKING TRAILS**, PROVIDE TO WORK WITHOUT EXTRA SETTINGS, WE PREVENT FOR YOU AN EXTRA TIME AND WE WILL AVOID YOU UNNECESSARY TIME LOSS.

ST- THANKS TO THE SPECIAL ADDITION WE MADE FOR **THE PALLET PULLING TABLE**, WE ENABLED THE DRY PRODUCTS TO BE COLLECTED IN ONE CENTER, ENABLED ALL THE PERSONNEL TO WORK TOGETHER AND CONTROLLABLY.

ST- WE DESIGNED **THE SHEET METAL** UNDER THE MORTAR CARRIER TO BE BOTH RESISTANT TO WEAR AND ABLE TO BE USED DOUBLE SIDED. THANKS TO THIS FEATURE OF THE TABLES WE MADE IT POSSIBLE TO HAVE A LONGER PERIOD OF ABRASION AND TO SAVE ON THE COST OF CONTINUOUS CHANGE.

ST- THE HEIGHT OF THE DIFFERENT MOULDS FOR PRODUCTION WILL BE DIFFERENT DISTANCES. FOR THIS REASON, A NEW ADJUSTMENT TO THE MACHINE IS REQUIRED WHEN EVERY DIFFERENT MOULD IS INSTALLED. THIS PROCESS IS DONE BY MOVING DOWN OR UP THE CHASSIS TOP OF THE MORTAR CARRIER TO THE UPSIDE. WE COMPLETED THIS PROCESS BY PLACING **SCREW SHAFT** IN TO THE BASIC COMPACT MACHINES.

OP- WE ALSO DEVELOPED AN OPTIONAL **LIFTING JACK SYSTEM** THAT CAN BE MOUNTED ON THE CHASSIS, MAKING IT DIFFICULT TO MANUALLY TURN THE NUTS ON THE SCREWDRIVER. IN THIS WAY, WE ENABLED TO DO THE LONG AND TROUBLESOME TRAY SETTING WORK IN A MUCH SHORTER TIME AND EFFORTLESSLY.

THERE IS NO OBLIGATION TO LINK THIS LIFTING JACK SYSTEM TO THE MACHINE. IT IS JUST DESIGNED TO BE USED WHEN CHANGING THE MOULD.

ST- THE HIGH TECHNOLOGY THAT WE USED FOR **MOULD PRODUCTION** AND ESPECIALLY THE MAIN MATERIAL CALLED CK - 45 TYPE, THIS MATERIAL IS **MONOBLOCK**, MEANS CAN BE USED MUCH MORE AND BY THIS WAY YOU DO NOT NEED TO CHANGE MOULDS REPEATEDLY, THIS HELPS TO PREVENT MORE COST.

OP- BY DEVELOPING A SPECIAL SYSTEM THAT ALLOWS A STAFF MEMBER TO **CHANGE MOULDS** IN A SHORT PERIOD; WE MADE THIS PROCESS VERY EASY AND SHORT TIME EXCEPT COMPLETING IN THE SMALL AREA AND LONG TIME.

ST- YOU NEED TO USE DIFFERENT RAW MATERIALS FOR PRODUCING DIFFERENT PRODUCTS. BECAUSE OF THE CHANGE OF THE SPECIFIC WEIGHT OF RAW MATERIALS, THE VIBRATION POWER REQUIRED FOR PRESSING INJECTION TIMING. WE DEVELOPED A **CALIBRATED VIBRATION SYSTEM** IN COMPACT MACHINES AGAINST THE CONSTANT AND SINGLE TYPE VIBRATION PRODUCTIONS OF OTHER MACHINE COMPANIES. WE ENABLED YOU TO ADJUST THE VIBRATION POWER FOR THE PRODUCTS AND PRODUCE MUCH HIGHER QUALITY PRODUCTS.

ST- WE REMOVED DEFORMATION VALUE BY THE SYSTEM WE DESIGNED IN COMPACT MACHINES THAT **PALLETS COULD BE DISMANTLED** AUTOMATICALLY. BY THIS WAY, WE HELPED TO REDUCE DEPRECIATION COSTS.

OP- **THE PRODUCT CLEANING BRUSH** CAN CLEAN ALL MORTARS THAT BE OCCURRED ON THE PRODUCTS ON PRESS TIME, YOU CAN PRODUCE MORE PRODUCTS WITH SMOOTH SURFACES.

OP- **CONVEYOR BELTS** ARE COATED WITH GALVANIZED MATERIAL TO ALLOW UNLOADING OF RAW MATERIAL INTO THE MIXER WITHOUT BEING AFFECTED BY NATURAL CONDITIONS LIKE WIND, RAIN AND SNOW.

RAW MATERIAL ON THE CONVEYOR BELT MOVING THAT WILL BE RECEIVED WATER AND EXTRA WATER WILL BE OCCURRED WHEN ANOTHER AMOUNT OF WATER WILL BE ADDED INTO THE MIXER THAT PREPARED FOR MORTAR. THANKS TO WE COVERED CONVEYOR BELTS WITH GALVANIZED MATERIAL; WE PREVENT YOU FOR EXTRA COST TO EXTRA WATER OCCURRED IN THE MORTAR.

OP- WE PLACED A **CONVEYOR CLEANING BRUSH** IN ORDER TO PREVENT DEFORMATION ON THE BELT RAW MATERIAL CAN BE CRINGED ON THE BELT, ABILITY TO MOVE ON COMING FROM ITS OWN MOVEMENT. THANKS TO THIS FEATURE, WE PREVENT DEFORMATION TO BE OCCURRED SOON ON THE MORTAR BELT AND WE HAVE ACHIEVED LONG LIFE.

ST- IN THE MIXER WE PUT THE SECOND ABRASION SHEET SO THAT THE ABRASIONS THAT WOULD OCCUR WITH THE RETURN AFFECT OF THE RAW MATERIAL WOULD NOT DAMAGE THE MAIN BODY. MOREOVER, WE DESIGNED THESE ABRASION SHEETS, WHICH ARE ONLY AVAILABLE IN HIGH-CLASS MANUFACTURING, AS SMALL PARTS AND BOLT-ON REPLACEABLE PARTS THAT REQUIRE MUCH MORE WORKERS AND OTHER MANUFACTURER COMPANIES COMPLETING MONTAGE PROCESS WITH WELDING AND SINGLE PART.

BY THIS WAY, WE MADE IT POSSIBLE TO EASILY REPLACE THE DAMAGED PART, WHICH HAS BEEN DAMAGED ALONE, IN SMALL PARTS INSTEAD OF LABORIOUS WORK WITH ALL THE REASONS FOR THE WEAR PARTS WHICH NEED TO BE CHANGED AT CERTAIN INTERVALS. IN ORDER TO PREVENT THE EASY WEAR OF THESE SURFACES WHICH CONSTANTLY CONTACT THE RAW MATERIALS, WE PREFER SPECIAL RESISTANT MATERIALS FOR OUR PRODUCTION.

OP- THANKS TO ERGONOMIC DESIGN WE PROVIDE TO PRODUCE VERY DIFFERENT PRODUCTS TO TAKE **DIFFERENT OUTPUTS** FROM THE MIXER.

ST- WE PROVIDE EXTRA SHIPMENT ADVANTAGE TO PUT **HYDRAULIC OIL TANK** INTO THE MACHINE CHASSIS. FURTHERMORE IF WE COMPARE HYDRAULIC TANKS WHICH PRODUCED AND PLACED OUTSIDE BY ANOTHER MANUFACTURER COMPANIES: WE PROTECTED THE OIL SYSTEM AGAINST OVERHEATING OR EXTREMELY COLD BY AFFECTED THE NATURAL CONDITIONS.

OP- HYDRAULIC OIL; WHERE THE AVERAGE TEMPERATURE IS HIGH AND WHERE THERE IS WORKING WITHOUT BREAK, THE MACHINES ARE ABSOLUTELY WILL BE HOT. THE TEMPERATURE OF 25-40 ° C UNDER NORMAL CONDITIONS WILL CAUSE THE MACHINE TO SLOW DOWN TO 40 - 55 ° C DURING THE MASS PRODUCTION PROCESS, CAUSING THE HYDRAULIC SYSTEM EQUIPMENT SUCH AS ORING, PUMP, COUPLINGS TO BE DAMAGED, AS THE HEATED OIL TENDS TO SQUEEZE OUT OF THE HYDRAULIC CONNECTION POINTS. WE MADE IT POSSIBLE TO KEEP THE OIL AT THE SAME LEVEL BY CONTINUOUSLY COOLING THE OIL IN THE OPTIONAL **OIL COOLER HYDRO FAN** AND BY THIS WAY, WE PROVIDE THAT YOU CAN PRODUCE CONTINUOUSLY.

OP- BY THE **PALLET CLEANING BRUSH** THAT CAN BE PLACED OPTIONALLY, WE PROVIDE TO CLEAN MORTAR PIECES ON THE SURFACE PALLETS BEFORE PRODUCTION AND WITHOUT WORKERS. IF YOU START TO PRODUCE WITHOUT CLEANING MORTAR PIECES ON PALLETS, IT CAUSES CRACKS ON THE PRODUCTS AND BY THIS WAY, WE PREVENT YOU MANUFACTURING FAILURE.

ST- WE CHOSE THE TYPE OF WOOD WE USED IN **THE PRODUCTION OF PALLETS**, IN A FEATURE THAT CONCRETE COULD BE PRODUCED ON IT. WITH THE PALLET BOARDS ADDED SIDE BY SIDE, WE WERE ABLE TO OPEN CHANNELS THAT ALLOW US TO KEEP EACH OTHER CROOKED. WE USED A SPECIAL SEA GRABBER THAT PREVENTS LATER OPENING OF THE CONNECTION AREA. WE CHOSE 1st QUALITY TREES WHICH WILL NOT CAUSE THE FALL CAUSED BY THE VIBRATION AFFECT. WE MADE THE PROCESS OF BAKING FOR FALLING TO THE APPROPRIATE HUMIDITY LEVEL BECAUSE OF BEEN EXPOSED TO WATER CONTINUOUSLY. WE MADE THE EDGE PLATES FROM A1 QUALITY MATERIAL THAT IS NOT EASILY DEFORMED. WE CLEANED IT WITH PLANE TOOL SO THAT THE BOTTOM AND TOP SURFACE CAN BE USED IN THE SAME WAY. WE PUT THE PISTON ON THE PALLET TOWING CHARGER AND LIFTED THE INJURIES THAT WOULD OCCUR. THANKS TO OUR STACKING ELEVATOR, WHICH ALLOWS US TO USE DOUBLE DIRECTION, WE HAVE ENABLED IT TO LIVE MUCH LONGER.



* SPECIAL EQUIPMENTS WHICH DO NOT NEED MAINTENANCE

BECAUSE OTHER COMPANIES DO NOT PRODUCE SPARE PARTS THAT CANNOT BE FOUND IN THE MARKET CONDITIONS DUE TO THEIR AIM OF MAKING HIGH PROFITS FROM MAINTENANCE AND SPARE PARTS REPLACEMENT FEES, MAINTENANCE WORK ON THESE PARTS IS DIFFICULT AND DIFFICULT TO PRODUCE:

WE MANUFACTURED THE EQUIPMENT OF THE COMPACT SYSTEM IN SUCH A WAY THAT IT DOES NOT REQUIRE MAINTENANCE, AND EVEN IF YOU NEED IT, YOU CAN EASILY CHANGE IT. WE DESIGNED IT SO THAT YOU WILL NOT EVEN NEED TO LUBRICATE FREQUENTLY USED PARTS SUCH AS VIBRATION. WE WILL GIVE YOU THE TECHNICAL DRAWINGS OF THE SHEETS AND SHEAR BEAM OF THE SURFACES THAT ARE FAMILIAR TO YOU, TAKING INTO ACCOUNT THAT YOUR PRODUCTION WILL STOP AND YOUR CAPACITY WILL DECREASE DURING THE TIME IT WILL TAKE FOR FUTURE PARTS AND TECHNICAL SERVICE FROM THE OUTSIDE. WE ALSO MADE IT POSSIBLE TO PROVIDE YOU WITH COMFORT WHEN YOU NEED IT.

THANKS TO ALL THESE FEATURES, NO MAINTENANCE COSTS FOR HEAVY SPARE PARTS AND NO NEED FOR LONG MAINTENANCE TIMES AND WE INCREASE THE CAPACITY.

* ABILITY TO REMOVE EASILY WHOLE SYSTEM FROM ONE PLACE TO ANOTHER

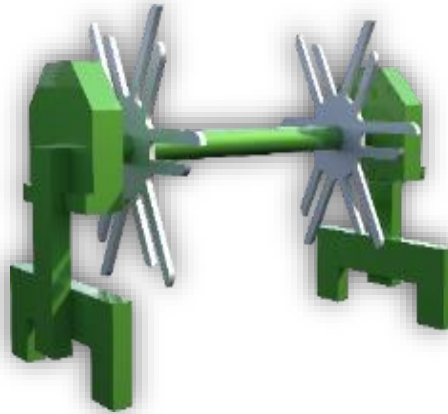
SINCE THE GROUND FIXINGS MADE BY WELDING IN THE GROUND MORTAR SYSTEMS, IT IS VERY DIFFICULT TO DISMANTLE THEM IN CASE OF NECESSITY:

WE MADE COMPACT SYSTEMS NOT BY WELDING BUT BOLTED. IN THIS CASE, SINCE ALL EQUIPMENTS ARE BOLTED, WHEN IT IS DESIRED TO MOVE TO ANOTHER PLACE, YOU CAN EASILY DISMANTLE IT WITHOUT DEFORMATION AND ENABLE IT TO BE MOVED EFFORTLESSLY.

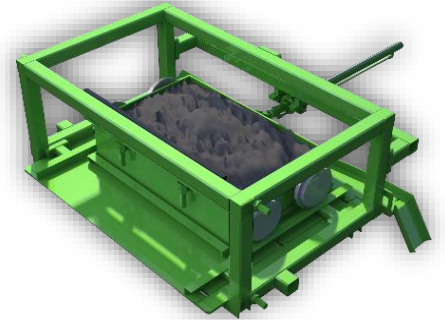
SOME EQUIPMENTS YOU CAN CHOOSE OPTIONALLY



SHAKING GRATE



PALLET REVERSING ROBOT



2nd MORTAR HOPPER FOR PAVING BLOCKS



SOME TECHNICAL SPECIFICATIONS FOR EQUIPMENTS IN THE SYSTEM

* VESS CBM 5.1 MACHINE WITH SINGLE HOPPER



* MACHINE DIMENSIONS	230 x 320 x 270 CM
* WEIGHT	3200 KG
* CHASSIS TYPE	5 x 100 x 150 MM CLOSED PROFILE
* BEARING	8 x ø 50 CHROMIUM PLATED SHAFT AND BEARING
* HOPPER CAPACITY	1.2 m ³
* VIBRATION POWER	20 KN / 0,65 KW x 2 PIECES
* VIBRATION TYPE	NO NEED MAINTENANCE – STROKE POWER ADJUSTABLE – SPECIAL WINDIN
* VIBRATION TRAY	STROKE POWER ADJUSTABLE SLICE TYPE
* HYDRAULIC POWER	7,5 KW - 120 BAR NORMAL WORKING PRESSURE - 150 BAR TEST PRESSURE
* HYDRAULIC TANK	SPECIAL DESIGN INSIDE CHASSIS – 80 LT / NO 46
* FILTRATION	SORPTION FILTER 120 LT / MN CHANGE RETURN FILTER 120 + 60 LT/MN
* MORTAR TRAY	HARDOX 450 ABRASION SHEET - CHANGEABLE – USABLE DOWN UP SIDE
* HYDRAULIC PISTONS	PISTON INNER BEARINGS COMPLETELY BRONZE MATERIAL
* SPECIAL DESIGN	ALL ERODIBLE SURFACES, PISTON CONNECTION EARS CAN BE CHANGEABLE

* MACHINE ELECTRICAL PANEL

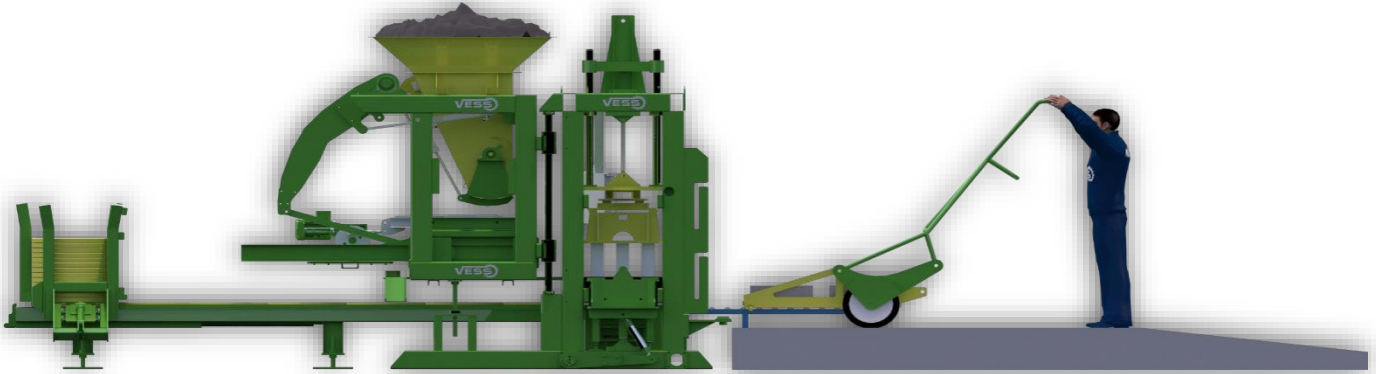
* DESCRIPTION	PANELS INCLUDING ELECTRICAL CIRCUIT ELEMENTS.
* PANEL TYPE	WALL TYPE
* SWITCHGEAR MATERIAL	SIEMENS - TELEMCHANIC
* OPERATOR PANEL	10.2 "WIDE SCREEN WITH COLORS / TOUCHSCREEN / SIEMENS

* MACHINE AUTOMATION SOFTWARE

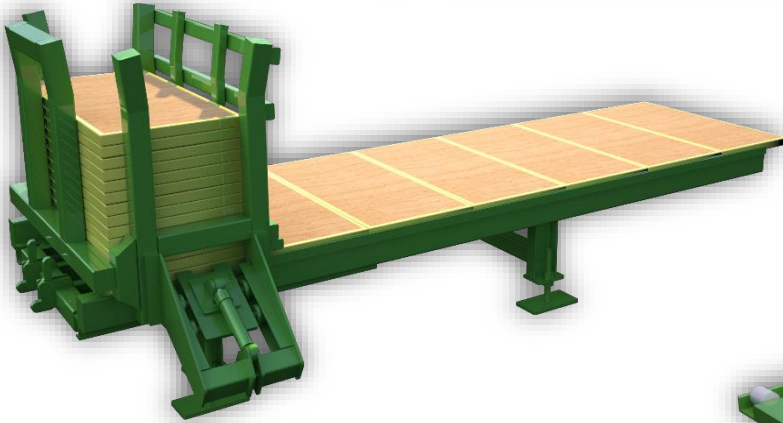
* DESCRIPTION	IT HELP TO OPERATING SYSTEM, SCHEDULING AND REGISTERING THE PRODUCTION PROCESS. SOFTWARE HAS 15 DIFFERENT LANGUAGES.
---------------	--

A – SYSTEM : WHEN PREFERRED WITH MANUAL PALLET CARRIER TO CARRYING PALLETS ;

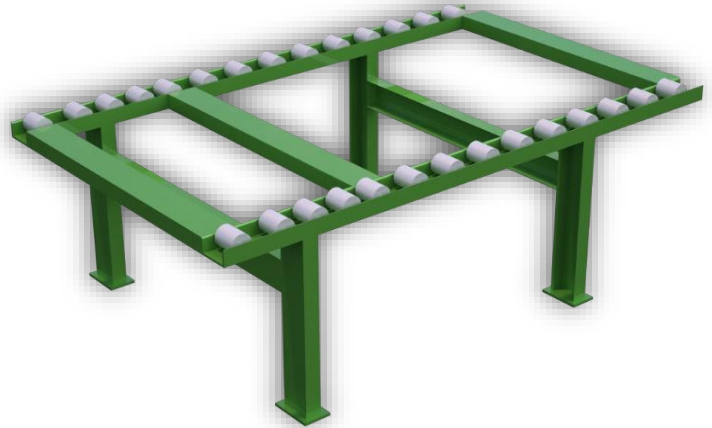
* PALLET FEEDING SYSTEM-HYDRAULIC / FRONT PALLET OUTPUT CONVEYOR - ROLLER / MANUAL PALLET CARRIER - DOUBLE



PALLET FEEDING SYSTEM – HYDRAULIC: IT IS A PLACE THAT WHERE EMPTY PRODUCTION PALLETS PLACED TO PRESS ON THEM. HYDRAULIC PISTON GIVES MOVEMENT, PALLETS ARE PREVENTED FROM RUBBING AND DEFORMATION. PALLETS DESIGNED TO BE PUT ON FORKLIFTS.



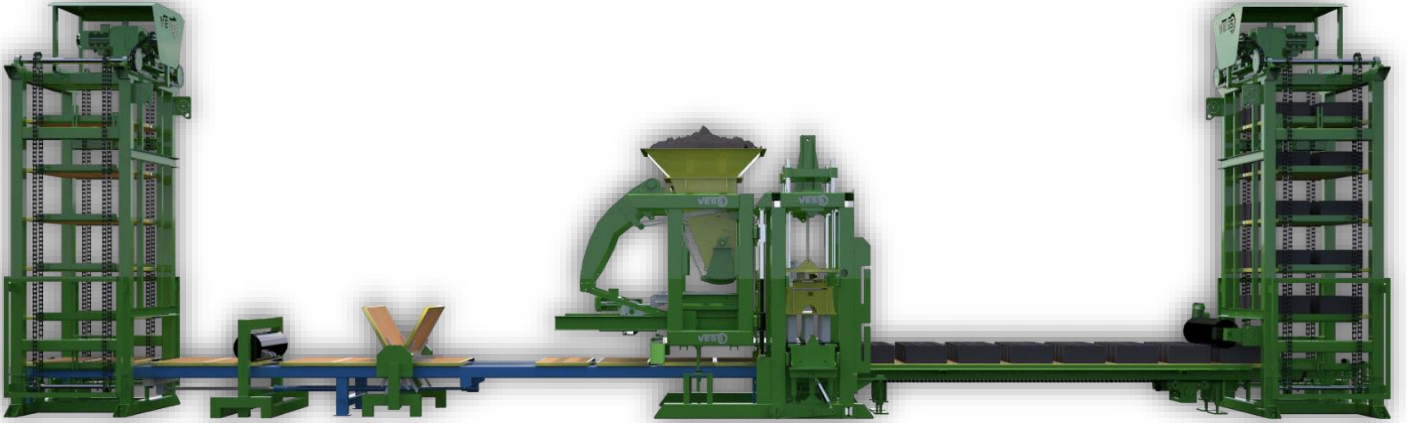
FRONT PALLET OUTPUT CONVEYOR - ROLLER SYSTEM: POSITIONED TO END OF THE MACHINE. ALLOWS THE PRESSED PRODUCTION PALLETS SEND TO THE PRODUCT CARRYING VEHICLE. THIS CONVEYOR HELPS TO SAVE TIME FOR OPERATOR. IT IS WORKING WITHOUT ENERGY WITH ROLLER SYSTEM ON IT.



MANUAL PALLET CARRIER – DOUBLE: DESIGNED TO CARRY THE PALLETS WITH PRESSED PRODUCTS FROM THE MACHINE TO THE DRYING AREA. REDUCE EMPLOYEES LOAD WITH ERGONOMIC DESIGN. PREFERRED BIG MEASURE INCH TIRE TO MOVE FAST. USED TIRE INCLUDING AIR TO MOVE EASILY. DESIGNED TO CARRY TWO PIECES WITH FULL PALLETS.

B-SYSTEM : WHEN PREFERRED WITH CARRYING PALLETS BY FORKLIFT;

* REAR EMPTY PALLET ROBOT / REAR ENTRY CONVEYOR - CLAWED / FRONT STACKING ROBOT / FRONT OUTPUT CONVEYOR – CHAINED



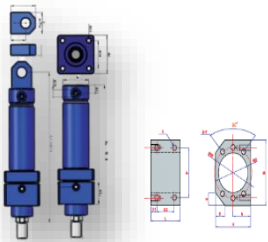
REAR UNLOADER ROBOT (LOWERATOR)

FRONT STACKING ROBOT (ELEVATOR)

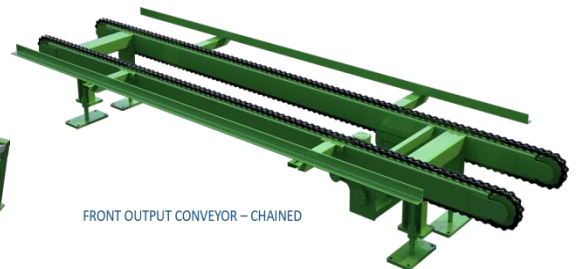


BY CARRYING EQUIPMENT MADE ON THE FORKLIFT, PALLETS WHICH ARE FULL OR EMPTY WITH PRODUCTS, ARE PLACING TO LOWERATOR.

THE PALLETS ARE PULLING TO THE PRESSING AREA INSIDE THE MACHINE WITH THE HELP OF THE REAR ENTRY CONVEYOR CLAWED WHICH IS POSITIONED IN FRONT OF THE LOWERATOR. (IF THE PALLET IS PLACED AT THIS STAGE, THE COLLECTING PROCESS IS DONE MANUALLY OR BY THE ROBOT IN PREFERENCE.) THE PRODUCT IS PRESSED ON THE EMPTY PALLETS PULLING INTO THE MACHINE, PALLETS PACKED WITH FRONT OUTPUT CONVEYOR CHAINED ARE MOVED TO LOWERATOR WHERE THEY ARE STACKED ON TOP OF THE FORKLIFT OVER AND OVER THAT CAN TAKE IT.

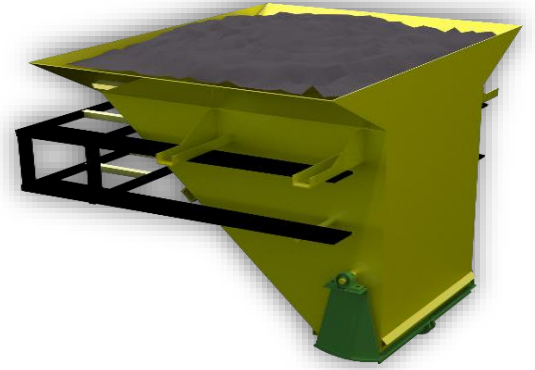


REAR ENTRY CONVEYOR - CLAWED



FRONT OUTPUT CONVEYOR – CHAINED

C- SYSTEM :WHEN PREFERRED WITH LAYING TYPE ;



IT IS AN EQUIPMENT TO CARRY MORTAR TO MACHINE MOVING IN THE FIELD FROM THE PLANT WITH THE SPECIAL EQUIPMENT ATTACHED TO THE FRONT OF THE FORKLIFT AND CAN BE MOVED BY THE HYDRAULIC CONTROL ARMS.

D - OTHER EQUIPMENTS :

*** PAN MIXER 250 dm³ - HARDOX ABRASION SHEET**

IT IS AN EQUIPMENT THAT ALLOWS THE MIXING OF AGGREGATE TO REACH HOMOGENEOUS FORM. 250 dm³ (1 BAG CEMENT) - 15 m³ / PER HOUR CAPACITY.

DIMENSIONS	130 x 160 x 160 CM
WEIGHT	2150 KG
VALVE	1/2 " - 5/3 24 VOLT DC
COVER TYPE	PNEUMATIC EXCITATION / VALVE
MOTOR POWER	11 KW
SIDE WALLS	10 MM – BOLTED
ABRASION SHEETS	BOLTED - 15 MM
LUBRICATION	MANUAL GREASE INCLUDING INNER CYLINDER
EXCITATION	BELT - PULLEY REDUCER - MOTOR
CAPACITY	400 KG DRY MORTAR / ¼ m ³ READY MIX CONCRETE

*** MIXER ELECTRICAL PANEL**

IT IS A PANEL INCLUDING ELECTRICAL CIRCUIT ELEMENTS. IT HAS A BUTTONS THAT CAN BE OPERATED TO START UP MIXER, VALVE AND OTHER COVERS. POWER PANEL IS A WALL TYPE. SIEMENS - TELEMECHANIC BRAND PRODUCTS ARE USED.

*** MIXER AUTOMATION SOFTWARE**

IT HELPS TO OPERATING SYSTEM, SCHEDULING AND REGISTERING THE PRODUCTION PROCESS. THIS PROGRAM IS DESIGNED BY OURSELVES. WITH ITS SCREEN HELPS TO CONTROL SYSTEM MORE EASILY BY OPERATOR. SOFTWARE HAS 15 DIFFERENT LANGUAGES. ALL SETTINGS - CURRENT CONTROL / COVER ADJUSTMENT MODULE CAN BE DONE WITHOUT DIFFICULTY.



* CEMENT SILOS 37 TON BASIC MODEL

CEMENT STORAGE EQUIPMENT WHICH IS NEEDED FOR THE PRODUCTION . PLACED AT THE TOP OF THE MACHINE WITH MULTI STOREY.

CAPACITY	BASIC MODEL 37 TON (FOR EVERY MODULE 22 TON)
DIMENSIONS	ø4000 MM x 11000
SAFETY	BARRIER AND SAIL WIRE STAIR
PRODUCTION TYPE	BOLTED DEMONTAGE
SHEET THICKNESS	FUNNEL 8 MM – MODULAR 6 MM
SHOCK	1" x 3 PIECES
COVER TYPE	MANUAL VALVE ARMED SLIDING PNEUMATIC EXCITATION/ VALVE
EQUIPMENT	SILO TOP FILTER - SAFETY VALVE - LEVEL INDICATOR

* AUTOMATIC VALVE/PLASTIC BELLOW/ CEMENT AND WATER WEIGHING HOPPER



AUTOMATIC VALVE

DIMENSIONS	ø300
EXCITATION	WITH PNEUMATIC PISTON
VALVE	1/4 " 5/2 24 VOLT DC
TYPE	BUTTERFLY VALVE/FLANGED ON SIDE

PLASTIC BELLOW

DIMENSIONS	ø150 – 300
HEIGHT	100 - 350 MM BELLOW

WATER WEIGHING SYSTEM

DIMENSIONS	60 x 60 x 85 CM
CAPACITY	300 KG / LT
COVER TYPE	PNEUMATIC EXCITATION /VALVE
LOADCELL	3 PIECES/500 KG SHEAR BEAM TYPE

CEMENT WEIGHING SYSTEM

DIMENSIONS	80 x 80 x 125 CM
CAPACITY	400 KG
COVER TYPE	PNEUMATIC EXCITATION /VALVE
LOADCELL	3 PIECES/500 KG SHEAR BEAM TYPE



* COMPACT MAIN CHASSIS – 1ST AND 2ND FLOOR PLATFORM

IT IS A STEEL CONSTRUCTION STRUCTURE WHERE THE SYSTEM IS LOCATED. 1ST FLOOR BLOCK MACHINE 2ND FLOOR MIXER 3RD FLOOR SILOS LOCATED.

1ST FLOOR PLATFORM

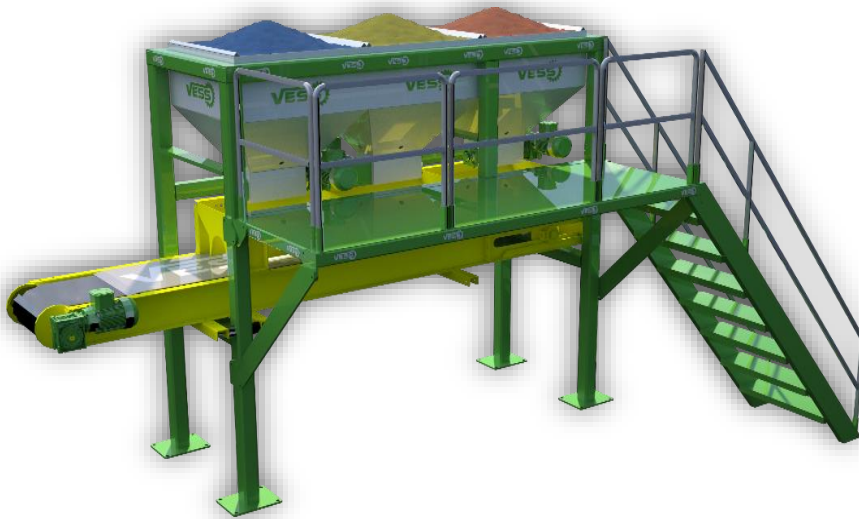
DIMENSIONS	W : 500 x L : 500 x H : 400 CM
BASE TYPE	3/4 DIAMOND STEEL PLATES
WEIGHT	1.700 KG
DEMOUNTED	DETACHABLE
SAFETY	PROVIDE BY BARRIER

2ND FLOOR PLATFORM

DIMENSIONS	W : 500 x L : 500 x H : 250 cm
BASE TYPE	3/4 DIAMOND STEEL PLATES
WEIGHT	1.100 kg
DEMOUNTED	DETACHABLE
SAFETY	PROVIDED BY BARRIER



* PAINT WEIGHING HOPPER

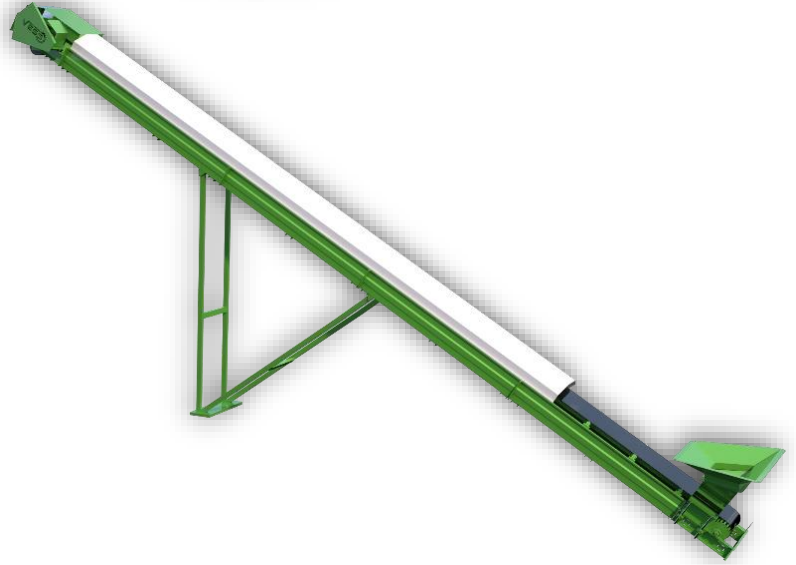


EQUIPMENT CAN AUTOMATICALLY WEIGHTS PAINT AND SEND TO MIXER WHEN IS NEEDED FOR PRODUCING COLOURING PRODUCTS. EACH SECTION HAS A 50 KG CAPACITY.

COVERS ARE MOVING BY GEARED MOTORS WORKING WITH ELECTRICAL. WEIGHING SYSTEM IS MAKING BY 4 PIECES LOADCELL. THERE ARE 3 PIECES PNEUMATIC SHOCK ABSORBERS THAT HELPING TO FLOW EASILY. THERE ARE WALKING PATHS AND BARRIERS. PAINT CONVEYOR BELT 0,37 KW. MOVING WITH GEARED MOTORS. MAIN CHASSIS IS 80x80x4 MM. PRODUCED WITH PROFILE.

* CONVEYOR BELT

DIMENSIONS	80 x 65 x 1210 CM
CHASSIS TYPE	SPECIAL DESIGN SHEET BODY
WIDTH OF BELT	60 CM
MOTOR POWER	4 KW
EXCITATION	BELT PULLEY GEARED MOTOR
BELT TYPE	V TYPE CORRUGATED 10 MM RUBBER



* RAW MATERIAL HOPPER / WEIGHING BELT



RAW MATERIAL HOPPER – BOLTED

DIMENSIONS	220 x 250 x 615 CM
CAPACITY	EACH SECTION 8 m ³
CHASSIS TYPE	5 x 150 x 150 CLOSED PROFILE
COVER TYPE	PNEUMATIC EXCITATION
BEARING COVER	UCP 207
VIBRO MOTOR	EACH COVER 0,27 KW
PRECISION WEIGHING	INCLUDED
COVERS	3 MM AND BENDING SHEET METAL
PRODUCTION TYPE	DEMOUNTED

WEIGHING BELT

DIMENSIONS	80 x 95 x 730 CM
CAPACITY	1500 KG
CHASSIS TYPE	NPU 140
WIDTH OF BELT	60 CM
BELT TYPE	10 MM / 4 LAYER
LOADCELL	4 PIECES / 1 TON S TYPE
MOTOR POWER:	3 KW

* HOPPER AUTOMATION PROGRAM

IT IS A PANEL INCLUDING ELECTRICAL CIRCUIT ELEMENTS. ON PANEL THERE ARE BUTTONS WHICH OPERATING HOPPER COVERS AND VIBRATIONS. POWER PANEL IS A TYPE OF WALL USED SIEMENS – TELEMCHANIC BRAND PRODUCTS.

* HOPPER AUTOMATION SOFTWARE

IT HELPS TO OPERATING SYSTEM, SCHEDULING AND REGISTERING THE PRODUCTION PROCESS. WE DESIGNED THIS PROGRAM BY OURSELVES. WITH ITS SCREEN HELPS TO CONTROL SYSTEM MORE EASILY BY OPERATOR. SOFTWARE HAS 15 DIFFERENT LANGUAGES. ALL SETTINGS - CALIBRATION FOR HOPPER CAN BE DONE WITHOUT DIFFICULTY.

* OUR MOULD SAMPLES

HOLLOW BLOCK MODELS



HOLLOW BLOCK MODELS WITH ROUGH SURFACE



HOLLOW BLOCK LEGO MODELS



STRAPHORED BRICK MODELS



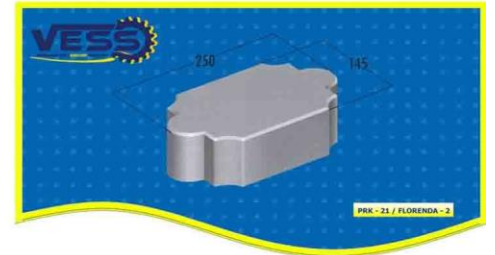
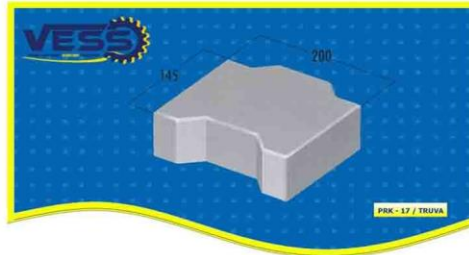
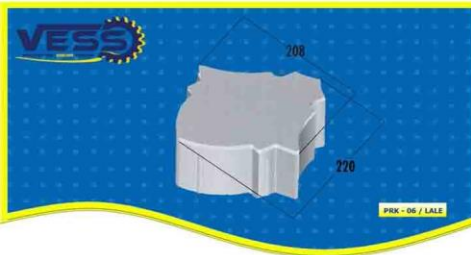
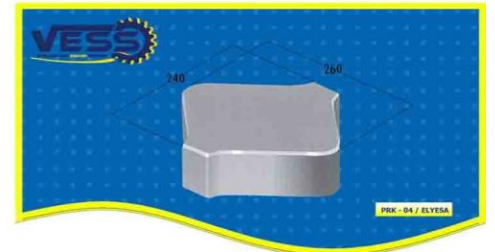
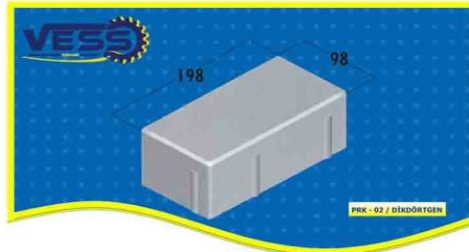
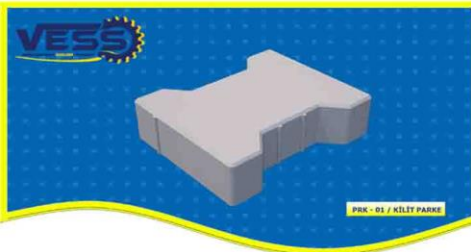
ASMOLLEN MODELS



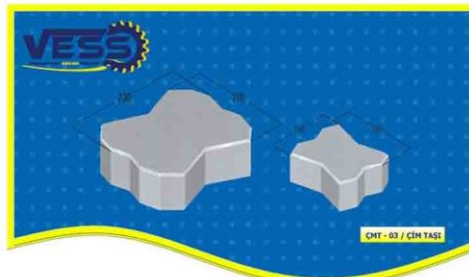
CHIMNEY STONE MODELS



PAVING BLOCK MODELS



LAWN STONE MODELS



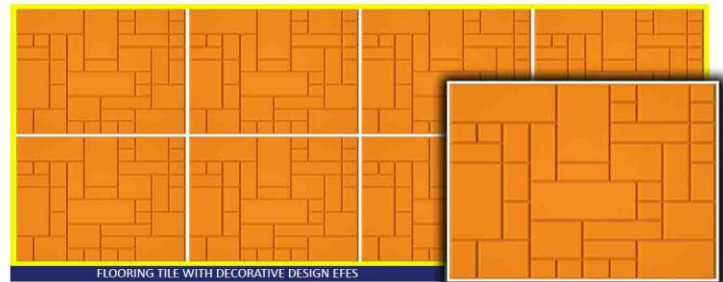
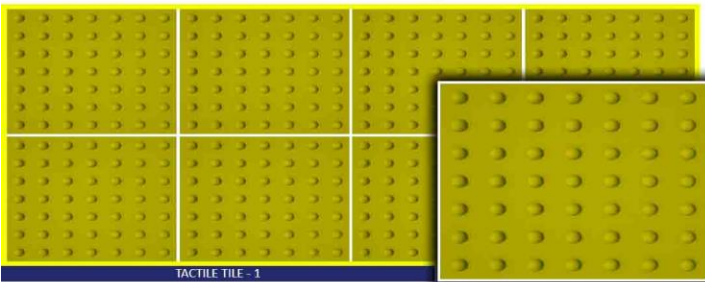
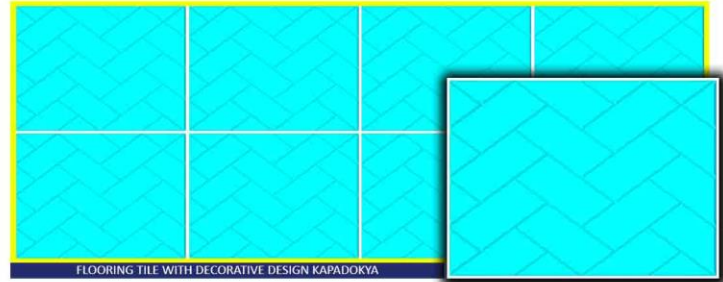
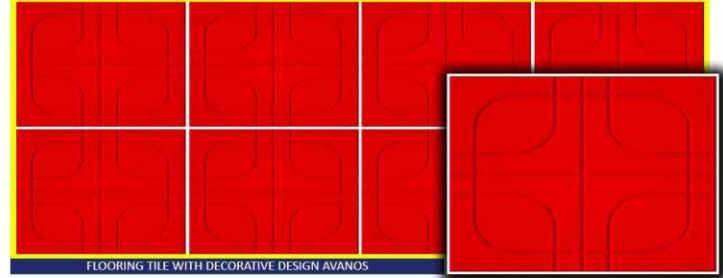
CURBSTONE MODELS



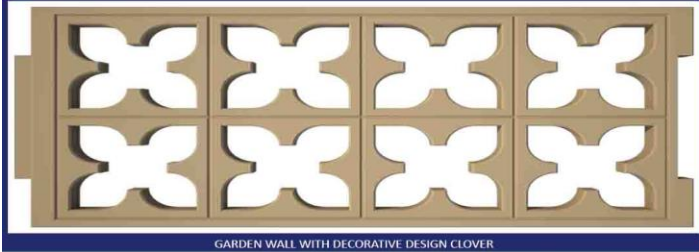
ROOF GUTTER MODELS



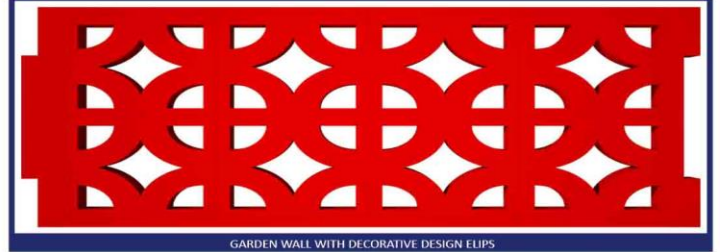
TILE STONE MODELS



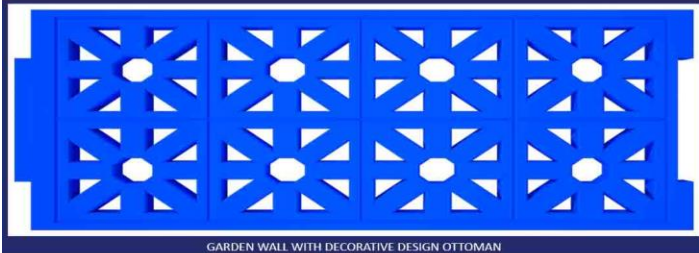
GARDEN WALL MODELS



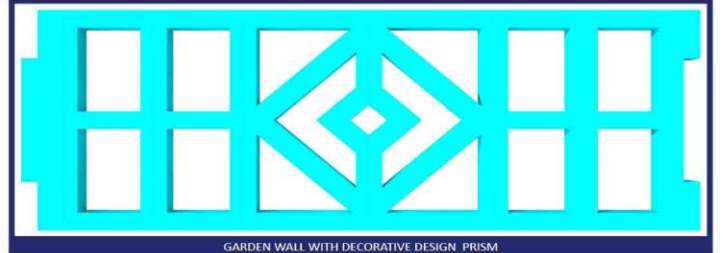
GARDEN WALL WITH DECORATIVE DESIGN CLOVER



GARDEN WALL WITH DECORATIVE DESIGN ELIPS



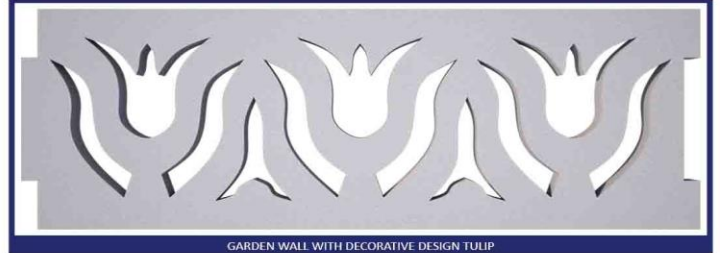
GARDEN WALL WITH DECORATIVE DESIGN OTTOMAN



GARDEN WALL WITH DECORATIVE DESIGN PRISM

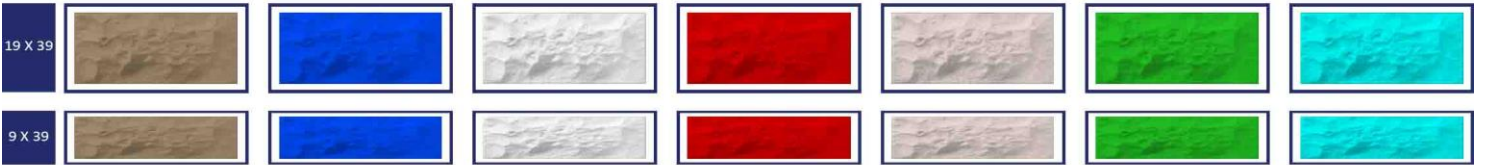


GARDEN WALL WITH DECORATIVE DESIGN CRESCENT

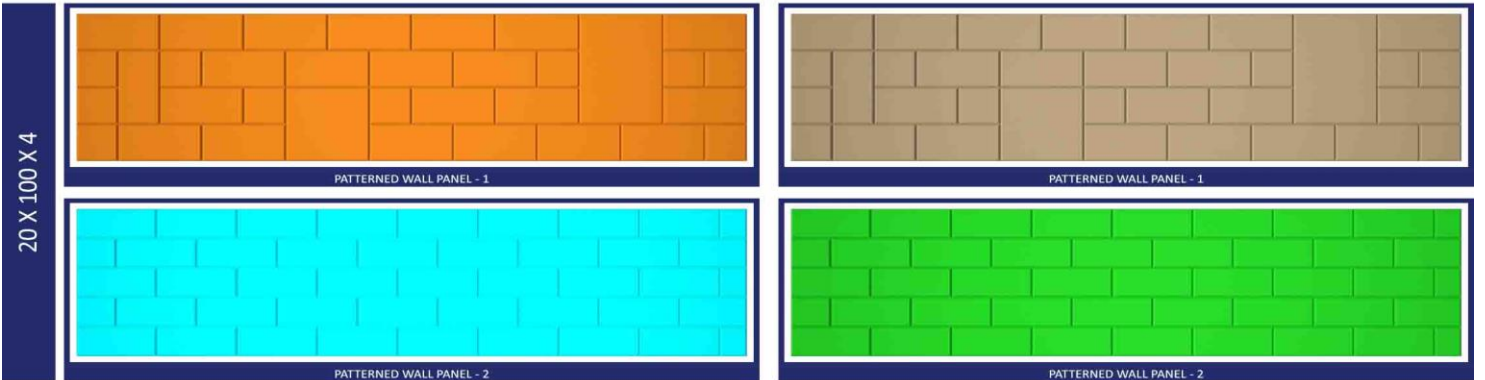


GARDEN WALL WITH DECORATIVE DESIGN TULIP

WALL COVERING MODELS WITH ROUGH SURFACE



PATTERNED WALL PANELS



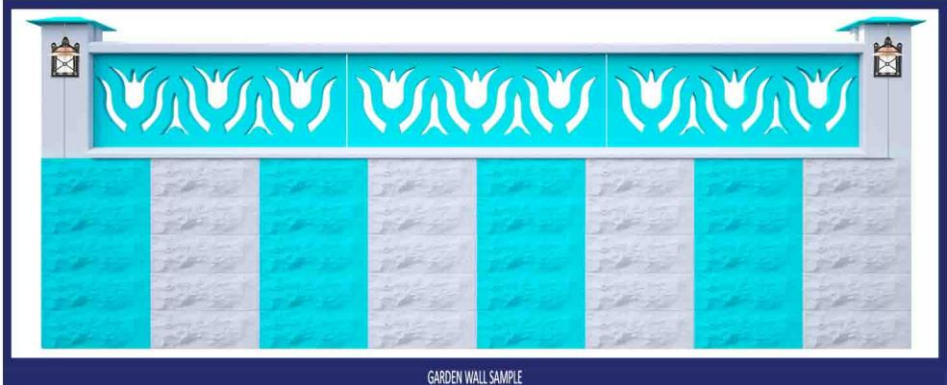
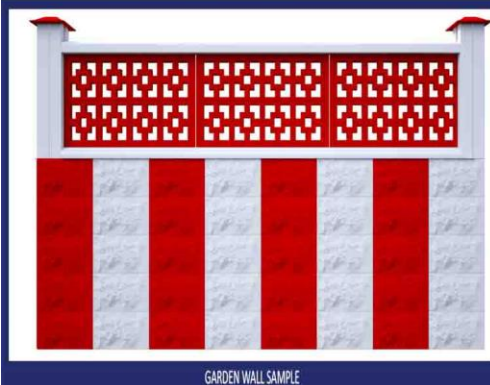
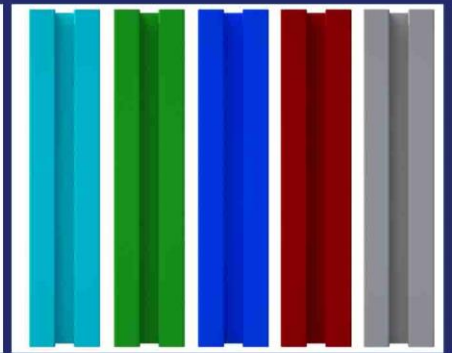
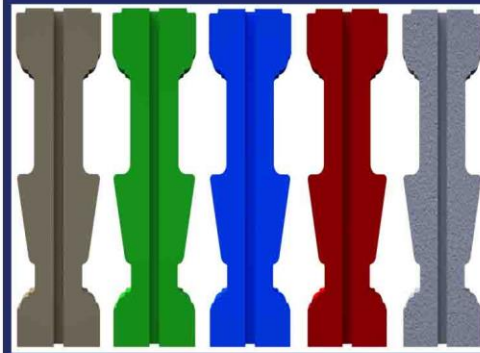
FACTORY : TRABZON – ERZURUM DEVLET KARAYOLU ÜZERİ 9.Km. AKOLUK BELEDİYE KARŞISI – ÇAĞLAYAN / TRABZON / TURKEY
FACTORY : +90 462 357 30 62 / OFFICE : +90 462 321 07 78/GSM:+90 549 325 66 62/WEB : www.vessmachine.com/Email: tolga@beyazligroup.com

-07-

FACTORY : TRABZON – ERZURUM DEVLET KARAYOLU ÜZERİ 9.Km. AKOLUK BELEDİYE KARŞISI – ÇAĞLAYAN / TRABZON / TURKEY
FACTORY : +90 462 357 30 62 / OFFICE : +90 462 321 07 78 / GSM : +90 549 325 66 70 / WEB : www.vessmachine.com / Email : toure@beyazligroup.com



GARDEN WALL PARTS – GRATES



WHY US

** WITH OUR EXPERIENCED TEAM THAT WE SET UP IN ACCORDANCE WITH OUR PRODUCTION PLANNING AND SALES INFRASTRUCTURE, WE CAN PROVIDE YOU WITH 24 HOURS UNINTERRUPTED SERVICE FROM OUR REPRESENTATIVE WHO YOU CAN ABLE TO SPEAK LANGUAGE WHICH YOU ARE USING WITH THE ACTIVATION CENTER WE CREATED, JUST PAYING YOUR'S COUNTRY TAX IS ENOUGH THAT, WE CAN TRADE YOU AS YOU BUY GOODS FROM ANY CITY IN YOUR OWN COUNTRY...



** WE ARE AIMING TO BUILD STRONGER RELATIONSHIP WITH OUR CUSTOMERS, WITH THESE TERMS LIKE PRODUCTION ON TIME - DELIVERY ON TIME - MONTAGE ON TIME.

** WE PROVIDE POSSIBILITY OF SECURE TRADING FOR OUR CUSTOMERS WITH FIXED PRICE GUARANTEE BY MINIMIZING OUR PROFITABILITY.

** THANKS TO OUR TRANSPARENT SALES POLICY, WE ARE REMOVING YOUR RISK OF BEING DECEIVED BY PUBLISHING OUR CURRENT PRICES ON OUR WEBSITE IN ALL LANGUAGES.

** WE PROVIDE YOU TO INSTALL THE FACILITY WHICH YOU PLAN TO BUY FIRST ON OUR WEB SITE BY VIRTUAL ENVIRONMENT AND ABLE TO MOVE ACCORDING TO YOUR BUDGET ADDING OR REMOVING OPTIONAL EQUIPMENTS.



** WE PUBLISH THE INTERVIEWS AND VISUALS ABOUT THE PROJECTS WE COMPLETED AND THE INTERVIEWS THAT OUR CUSTOMERS MENTIONED ABOUT OUR COMPANY ON OUR WEB SITE, PREVENTING YOU FROM UNNECESSARY TIME AND MONEY LOSS FOR REFERENCE RESEARCH.

** WITH ALL COMPLETE PLANT CAMPAIGNS THAT WE ORGANIZED, WE PROVIDE MANY DIFFERENT PRODUCTS THAT YOU NEED TO PURCHASE IN ONE PLACE EFFORTLESSLY TO CREATE A COMPLETE PLANT.

** WE PROVIDE FOR YOU TO USE THE TERM BANK CREDIT FOR ALL OUR PRODUCTIONS, TO MAKE PURCHASES WITH LEASING OR LETTER OF CREDIT WITH THE BANK PRIVATE AGREEMENTS THAT WE MAKE.

** WE REMOVED THE OBLIGATION TO SIGN A CONTRACT WITH LANGUAGE WHICH CUSTOMER DOES NOT PREFER THAT WE ARE PREPARING CONTRACTS WITH LANGUAGE WHICH CUSTOMER PREFERENCE. WE ARE ABLE TO OVERCOME THE PROBLEMS CAUSED BY THE FACT THAT THE CONTRACTS CAN NOT BE UNDERSTOOD CORRECTLY BY THE PARTIES WITH A DIFFERENT LANGUAGE. WE ALSO ALLOW THESE CONTRACTS TO BE APPROVED BY THE STATE'S RELEVANT UNITS SO THAT THEY HAVE INTERNATIONAL CONFIRM AND THAT YOU CAN ABLE TO LOOK UP YOUR RIGHTS FREELY IN CASE OF INCONVENIENCES.

** RAW MATERIALS AND MEASUREMENTS TO BE USED IN MANUFACTURING ARE WRITTEN IN THE CONTRACT WITH SPECIFICATIONS THAT PROVIDING YOU FOR BAD SURPRISES AFTER YOU CAN FACE THEM.

** WE PROVIDE A MORE CONVENIENT AND SAFE TRADING FOR OUR CUSTOMERS BY HAVING COMMERCIAL CONDITIONS PROTECTING THE SELLER AND THE BUYER, PAYMENT PROCESS IN THREE STEPS AND ONLY FOR COMPLETING PARTS, AND ACCOMMODATING THE PENALTY CONDITIONS FOR PREVENTING YOU FROM LOSING MONEY IN THE POSSIBLE DELAYS.

- ** WE ALLOW OUR CUSTOMERS WHO SIGNED CONTRACT TO WATCH PRODUCTION PROCESS BELONGS TO THEM LIVE ON WEBSITE WITH IP ADDRESS GIVEN TO THEM.
- ** WHILE THE PRODUCTION PROCESS OF THE PLANT YOU BUY GOES ON, WE PROVIDE THE INFRASTRUCTURE PROJECT FOR FREE PREPARATION WORK FOR YOU. AT THIS POINT, WHILE YOUR PRODUCTION PROCESS CONTINUES, WE PROVIDE FOR YOU TO BE READY YOUR INFRASTRUCTURE AT THE SAME TIME AND WITHOUT DELAY.
- ** WE PROVIDE FOR YOU A SERVICE TO TRACK ROUTE AND DELIVERY TIME OF YOUR SHIPPED PRODUCTS BY SIMPLY ENTERING YOUR CONTAINER NUMBER ON OUR WEBSITE.
- ** WE CERTIFY THE QUALITY OF ALL THE PRODUCTS WITH EURO COMPLIANCE CERTIFICATE. IN THIS RESPECT, WE MAKE IT POSSIBLE FOR YOU TO FREELY ENTER THE COUNTRIES WHERE YOU ARE AND THE PRODUCTS YOU PURCHASED WITHOUT HAVING TO ADHERE TO THE CUSTOMS LEGISLATION.
- ** WE DO NOT RECEIVE ANY MONEY FOR THE INSTALLATIONS YOU PURCHASE. DURING TEST PRODUCTIONS WE CONDUCTED AT YOUR FACILITY, WE PROVIDE FOR YOUR OPERATOR NECESSARY TRAINING AND USER CERTIFICATION FREE OF CHARGE.
- ** WE PROVIDE TO RESOLVE THE INTERRUPTIONS IN THE SHORTEST PERIOD OF TIME BY KEEPING THE INTERVENTION PERIOD FOR THE GUARANTEES WITHIN **48 HOURS** OF DOMESTIC TIME - **72 HOURS TO 120 HOURS** ABROAD. BY THIS WAY WITH EXTRAORDINARY PRODUCTION AND SPARE PARTS STOCKED, WE ARE ABLE TO GET YOUR STANDBY TIME TO A MINIMUM LEVEL.
- ** BY OUR 24 HOURS ONLINE TECHNICAL SUPPORT YOU CAN REACH US ON OUR WEB SITE IN EVERY LANGUAGE AND PROVIDE TO USE EASILY OUR AFTER SALES SERVICES.

OUR PRODUCTION QUALITY HAS BEEN CONFIRMED BY USEFUL MODEL AND EURO – 1 CERTIFICATE



FACTORY : TRABZON – ERZURUM DEVLET KARAYOLU ÜZERİ 9.Km. AKOLUK BELEDİYE KARŞISI – ÇAĞLAYAN / TRABZON / TURKEY
FACTORY : +90 462 357 30 62 / OFFICE : +90 462 321 07 78 / GSM : +90 549 325 66 70 / WEB : www.vessmachine.com / Email : toure@beyazligroup.com

