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Our company is established on a 40 m2 area in 1990. We are working as a supplier of replacement parts and steel construction to many firms since that date. We've started to produce machines on 650 m2 inclose field since 1994. Within this framework we produce machines and replacement parts on projects and samples. Our company especially tends towards to ceramic sector to produce its production machines and replacements. Nowadays, we focus on our own projects and producing machines. The machines that we produced are using in ceramic sector safely. In 2012 we moved to our new factory which has 1500 m2 inclose area and producing ceramic machines to the best of our knowledge professionally.

VISION

To improve ourself in parallel with fast moving technology and customer needs, keep customer satisfaction at high level by quality products and attendance at ceramic sector.

Provide sector to have machinary technology and high pressure casting moulds cheaper without being foreign dependent. Our growth target, will increase employment and supply conservation of the national sources, contribute to the economy.

MISSION

In order to be a company; which has good solutions , quality products and service support,fulfil the needs especially at ceramic sector; develop new machines which will increase productivity beside our current machines,provide our squad to improve themselves ,which works at ceramic sector at high level.

LOW PRESSURE CASTING MACHINE



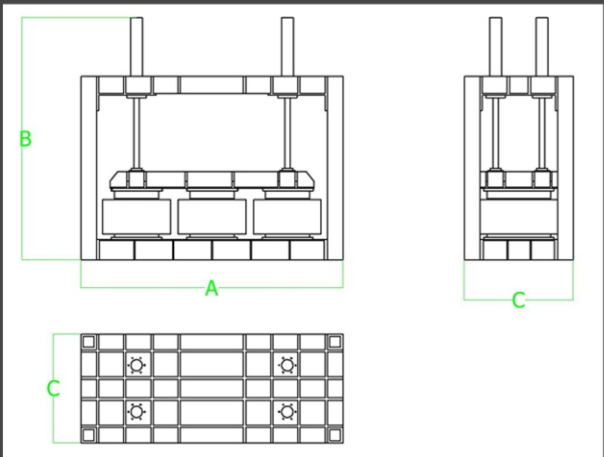
This plant works semi automatically by PLC. There are two benches in this casting plant which are the main group of the machine. Also these benches have cars which carry the moulds. These benches can be adjusted between 7° - 10° according to the casting process. There are one stable and one moving fixing unit. Upper part of the mould mounted to the beam group which is lifted with a lifting system. Mould drying is made by way of channels which comes from the heating system. Thanks to heating system two cycle is possible in a day. There is a fan system mounted upper body of the machine in order to circulate the air into the moulds and semi-product. fan system moves forward - backward and turns in a limited angle. After casting process finished discharging and hardening is made by air. Demoulding device which works between bench and deposit bench picks the semi-products and place them on a deposit bench. The deposit bench moves forward and backward by a chain which works with a gear box and controlled by switches. There is a lifting system that lifts the fifth part of the mould towards to the fans by elevators.

	ARG-BE18	ARG-BE22	ARG-BE25	ARG-BE27
A mm.	20000	24000	27000	30000
B mm.	4200	4200	4200	4200
C mm.	8100	8100	8100	8100
D mm.	23000	27000	30000	33000
Cycles/day	2	2	2	2
Max. moulds	2x25=50	2x32=64	2x40=80	2x45=90
Max. Mould dimension	750x600x400	750x600x400	750x600x400	750x600x400
Operation proses	Low pressure	Low pressure	Low pressure	Low pressure
Number of operators	2	2	2	2
Mould type	Plaster	Plaster	Plaster	Plaster
Installed power	23	25	28	28
Drier capacity	150 KW	150 KW	220 KW	220KW
Controlled by	PLC	PLC	PLC	PLC

WATER TANK HIGH PRESSURE CASTING MACHINE



This machine is designed to cast two parts water tank . Each mould is divided two cavities. Bottom part of the mould is fixed on the machine and the upper part is compressed and opened with a hydraulic cylinder. Semi products are picked automatically. molds are filled with slip at low pressure. After filling, slip is compressed at high pressure in order to get required thickness. After casting process finished semi products are extracted alternately. All these process are made by PLC automatically.

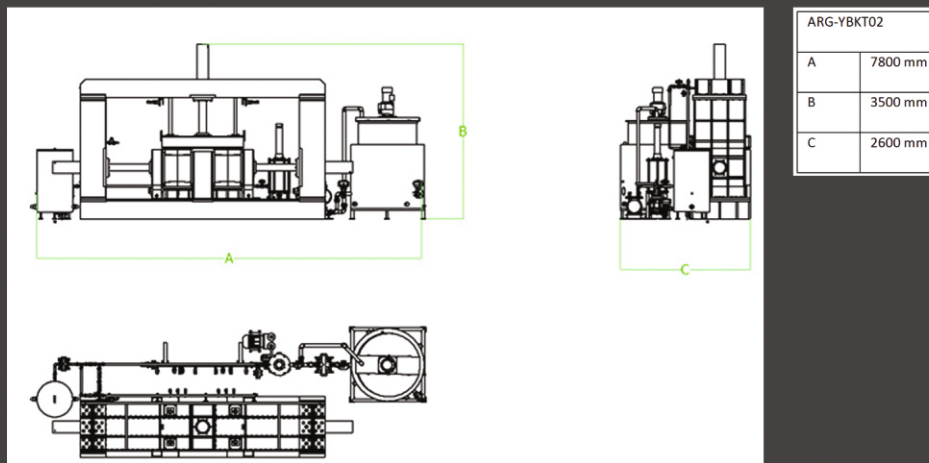


ARG-YBRT	
A	6000 mm
B	3300 mm
C	1400 mm

	Approximate cycle time	Number of moulds Max.	Type of item	Max. Mould dimension(m m) WXLXH	Proses operation	Max. Casting pressure	Max. Closin g force	Moul d type	Casting controlled	Power KW*
A R G O 4	15-20 minute	4	Water tank	820x560x650	High pressure	15 bar	180 ton	Resin mould	PLC	37 KW

*Slip tank and water tank heat power included system power.

WATER CLOSET HIGH PRESSURE CASTING MACHINE



This plant is designed to cast four parts water closets. one of lateral part is fixed on the middle part of the machine , other one is compressed and opened with hydraulic cylinder and also slide by means special car. Bottom part of the mould slides by car. upper part is compressed with a hydraulic cylinder which is mounted on top of the machine. Resin molds are filled with slip at low pressure. After filling, slip is compressed at high pressure in order to get required thickness. Extra slip is poured from molds. In order to hardening of the hollow casting hardening air is pumped into the semi products. After casting process finished semi products are extracted alternately. All these process are made by PLC automatically.

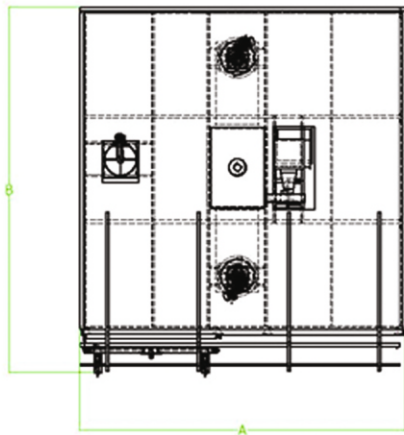
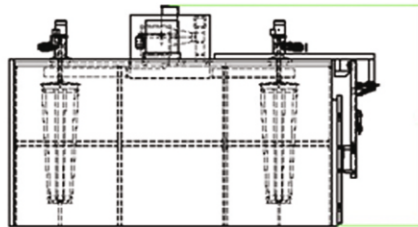
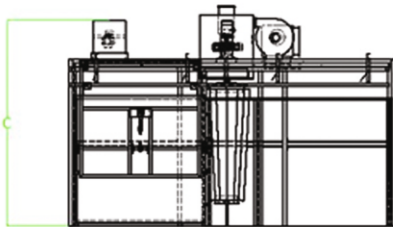


	Approximate cycle time	Number of moulds Max.	Type of item	Max. Mould dimension(mm) WXEXH	Proses operation	Max. Casting pressure	Max. Closing force	Mould type	Casting controlled	Power KW*
ARGO1	25-30 minute	12	washbasin	1100x800x750	High pressure	15 bar	120 ton	Resing mould	PLC	37 KW
Argo2	30-35 minute	12	washbasin pedestal asian pan water tank	1100x800x750	High pressure	15 bar	120 ton	Resing mould	PLC	37 KW
Argo3	50-55 minute	10	Asian pan	1100x800x750	High pressure	15 bar	120 ton	Resing mould	PLC	37 KW

DRIYING CABIN



There is system which works automatically by PLC that dries the semi products. It works with direct heating and circulation system . Ambient air is sent to cumbustor by radial fan and heated in cumbustor before it is sent to products in order to keep moisture and temperature at setpoint. by means transmitters we can control moisture and temperature. There are rotary fans which are designed to distribute the heated air homogenously. There are exit channels in order to exhaust the humid air. There is a door system works with a hydraulic cyclinder it lifts the door and it can be moved horizontally.



	ARGKRM108	ARGKRM216	ARGKRM432	ARGKRM540
A (mm)	6000	12000	12000	15000
B (mm)	6000	6000	12000	12000
C (mm)	4000	4000	4000	4000
D (mm)	4500	4500	4500	4500
Humidity before drying (%)	17	17	17	17
Humidity after drying (%)	1-3	1-3	1-3	1-3
Drying cycle (h)	14	14	14	16
Heat requirement (kw)	120	160	200	300
Total power (kw)	12	18	25	30
Heating energy	Natural gas, LPG			
Drying temperature (°C)	80 - 85			
Rotary fan	2	4	8	10
Dryer controlled by	PLC	PLC	PLC	PLC
Isolation panel thickness (mm)	50	50	50	50

GLAZING CABIN



PLASTER STIRRER

The stirrer can move up and down easily with pneumatic piston. Mixing speed between 24-600 rpm. Mixing speed can be controlled and adjustable from the electric panel. This machine has emergency stop button. The start-stop and mixing time can be controlled manually. It has CE certificate.





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