Handling devices with kid gloves

In the phase of implementation, one or two Robots programmed in strict coordination and synchronization with casting machines activities are used for the following operations:

- rim sticking
- piece demoulding
- finishing
- handling (from and for the stocking store)
If the rim sticking is scheduled, the Robot:
- picks up the tool connected with the stick tank
- applies the stick
- changes the tool and picks up the preset grippers while waiting for the completing of the cycle by the casting machine.
Afterwards it carries out the different operations of green or leatherhard finishing (sponging for the piece drying or smoothing, trimming, die cutting, stamping).
Finally it unloads the piece on the trucks or the conveyor for the following operations

- it works on every kind of piece while changing grippers and tool
- handlings based on intervention and waiting times which are suitable for every kind of piece
- easy interfacing with every kind of stocking and conveyor devices
- the whole working sequence can be easily modified to be suitable for process changes

Flexibility

- The tools are adjustable in relation to the piece
- Robot movements are carried out with millimetric tolerances
- All mechanical components are manufactured with high precision and numerical control machines

Precision

- use of safe machines proved by a long experience and largely spread on the market
- in all parts in strict contact with the workpieces, proper materials are used in order to avoid damages
- engineering and project procedures of all components are carried out with maximum safety as a result of long Sacmi Group experience in the sanitaryware technology

Reliability