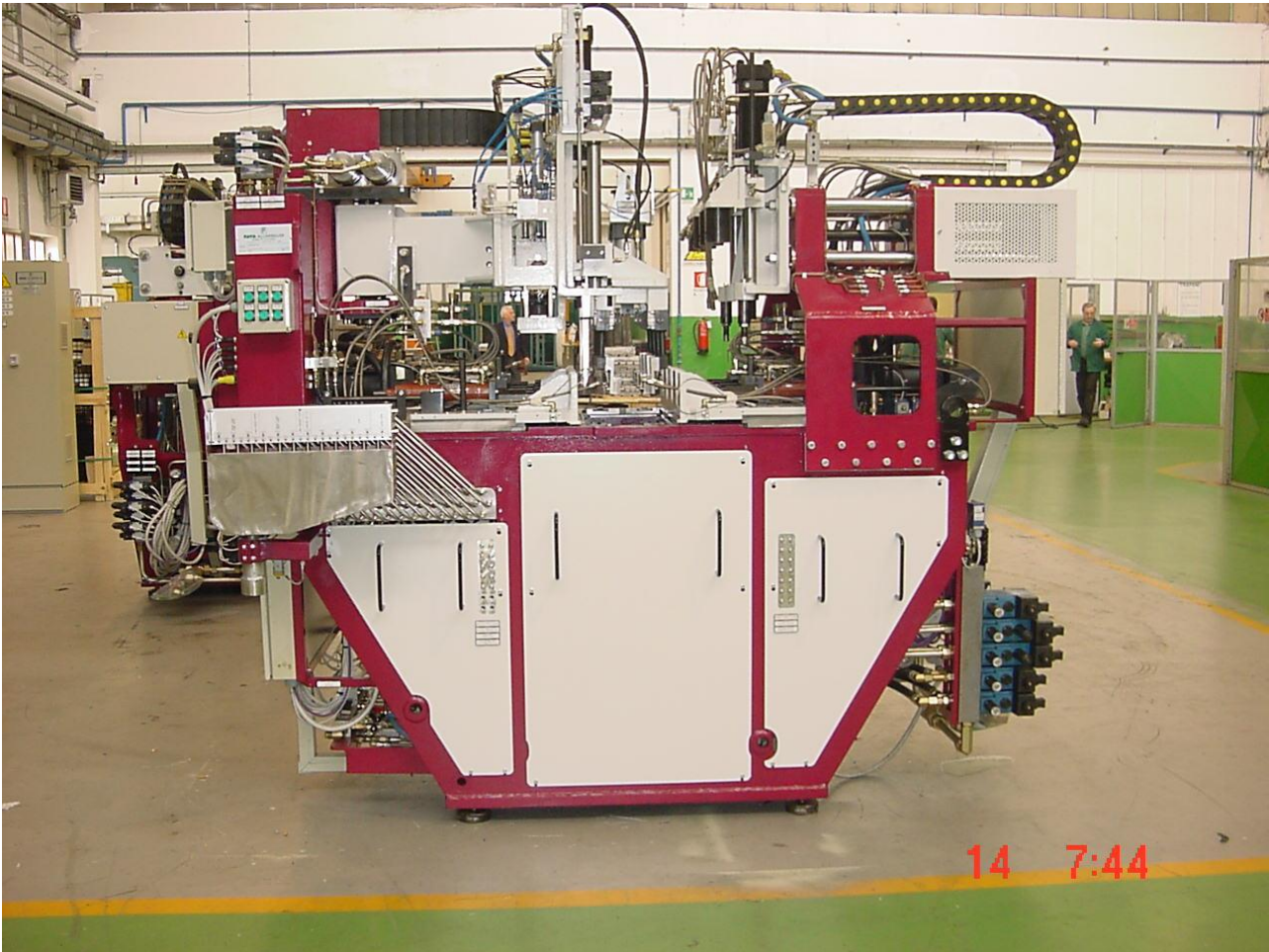


**Case History:** Two (2) bench piston-casting system (GERMANY)



**Project Requirement:** The customer had an approximate yearly requirement of 1,800,000 pistons.

**Our Solution:** The final solution was to use a two (2) casting bench system, with each bench able to produce 900,000 good pistons yearly when operating over three (3) shifts per day.

Each casting bench can produce four (4) pistons at a time with a maximum piston diameter of 105 millimeters.

**Scope of work:**

The Scope of Supply for the system includes:

- an automatic pour filter feeder;
- a casting unloader installed on an rotating arm mounted on-board the bench;
- An on-board top core handling device;
- a common pouring robot for the two (2) casting benches.

Each unloading device places the pistons in a special forced feed water tank equipped with a cylinder to move the pistons along a collection buffer towards their final unload station.

The pouring sprue and runners can be removed by using the robot to robotically control the cutting path using a fixed position cut-off disc.