

## Total Test accuracy in cylinder mounting, flushing and testing



## 2020 flushing and testing cylinder PRODUCTION

**MPC3**

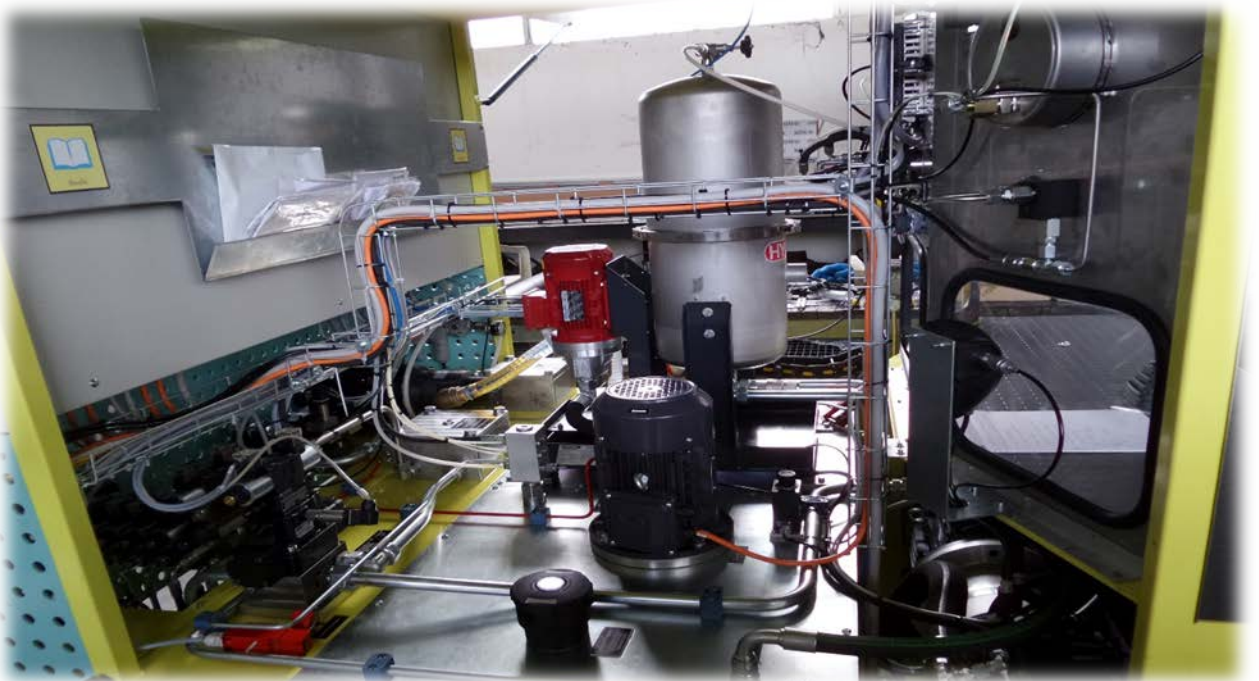
**AUTOMATIC 4.0**

**Final test report “4.0 set” in server,**

- ✓ Control of the class of contamination inside the tank;
- ✓ *Superlative hydraulic circuit;*
- ✓ *From 80 lit/min to 260 lit/min,*
- ✓ *Electronically controlled piston pump for flow and pressure management;*
- ✓ *Off-line recirculation unit for continuous filtration of process oil;*
- ✓ *Sensors detecting the pressure variation inside the cylinder;*
- ✓ *Oil temperature thermoregulation system through heaters and chillers;*
- ✓ *System for self-diagnosis of system pressure drops;*
- ✓ *Udo Testing tests in an intermediate position;*
- ✓ *Counter cylinder (OPTIONAL);*
- ✓ *Barcode management via scanner reader;*
- ✓ *Maximum testing pressure 600 BAR.*



## MPC3



**MPC3**



## TELESCOPIC OR DOUBLE ACTION CYLINDER



## **MPC2**

## *AUTOMATIC 4.0*

### **Final test report “4.0 set” in server,**

- ✓ Control of the class of contamination inside the tank;
- ✓ Superlative hydraulic circuit;
- ✓ From 26 lit/min to 80 lit/min,
- ✓ Electronically controlled piston pump for flow and pressure management;
- ✓ Off-line recirculation unit for continuous filtration of process oil;
- ✓ Sensors detecting the pressure variation inside the cylinder;
- ✓ Oil temperature thermoregulation system through heaters and chillers;
- ✓ System for self-diagnosis of system pressure drops;
- ✓ *Udo Testing tests in an intermediate position;*
- ✓ Counter cylinder (OPTIONAL);
- ✓ Barcode management via scanner reader;
- ✓ Maximum testing pressure 350 – 450 or 500 BAR.



**MPC2**



## DOUBLE ACTION CYLINDER



**MPC0.7**

**AUTOMATIC 4.0**



- ✓ Control of the class of contamination inside the tank;
- ✓ Excellent hydraulic circuit;
- ✓ Electronically controlled piston pump for flow and pressure management;
- ✓ Off-line recirculation unit for continuous filtration of process oil;
- ✓ Sensors detecting the pressure variation inside the cylinder;
- ✓ Oil temperature thermoregulation system through heaters and chillers;
- ✓ System for self-diagnosis of system pressure drops;
- ✓ *Udo Testing tests in an intermediate position;*
- ✓ Counter cylinder (OPTIONAL);
- ✓ Barcode management via scanner reader;
- ✓ Maximum testing pressure 350 – 450 or 500 BAR;
- ✓ Loading plane for cylinders with a stroke over 2,000 mm.

**MPC0.5**

## **AUTOMATIC 4.0**

**Final test report, with the possibility of choosing the type of file to be generated;**

- ✓ Control of the class of contamination inside the tank;
- ✓ *Excellent hydraulic circuit;*
- ✓ Electronically controlled piston pump for flow and pressure management;
- ✓ Off-line recirculation unit for continuous filtration of process oil;
- ✓ Sensors detecting the pressure variation inside the cylinder;
- ✓ Oil temperature thermoregulation system through heaters and chillers;
- ✓ System for self-diagnosis of system pressure drops;
- ✓ *Udo Testing tests in an intermediate position;*
- ✓ Counter cylinder (OPTIONAL);
- ✓ Barcode management via scanner reader;
- ✓ Maximum testing pressure *350 bar or 450 BAR;*
- ✓ **4.0 SET** with report in server.





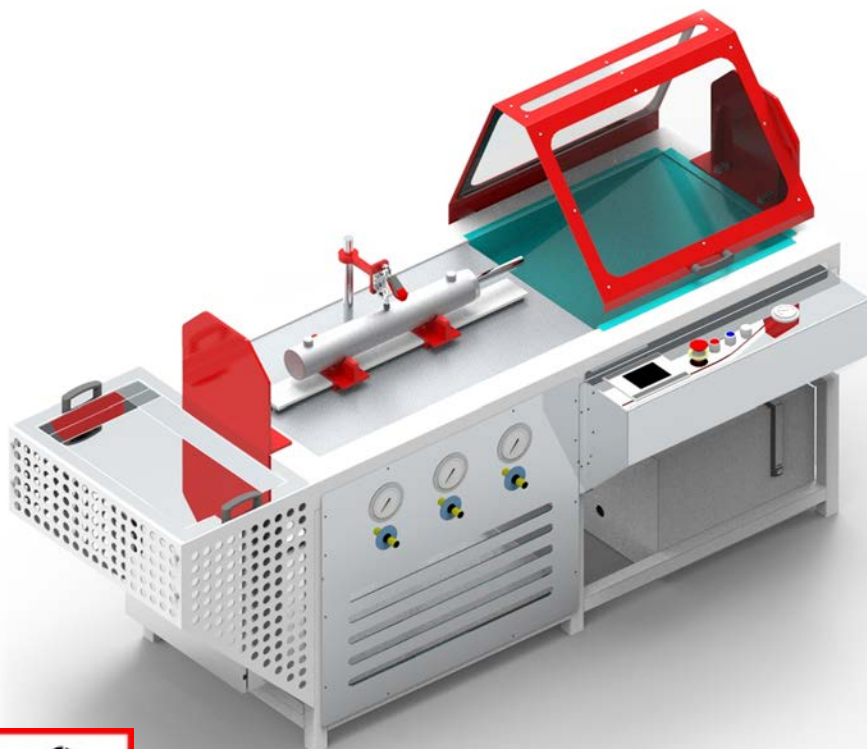
**MPC0.3**

## *SEMI AUTOMATIC endurance*

**Release of the final Report at the end of the test cycle;**

- ✓ Control and detection of the contamination class;
- ✓ *Simplified hydraulic circuit;*
- ✓ *ENDURANCE CIRCUIT;*
- ✓ *Piston pump not with electronic adjustment;*
- ✓ *Air heat exchanger;*
- ✓ *Detection sensors;*
- ✓ *Barcode management using a special scanner gun;*
- ✓ *Counter cylinder for simple effect closure (OPTIONAL.);*
- ✓ *Maximum testing pressure 320 bar.*





**MPC0.2**



## **MPC()2**

## **SEMI AUTOMATIC**

**Performing tests in semi-automatic mode, with the possibility of storing a small number of test recipes.**

- *Simplified hydraulic circuit;*
- *Touch screen monitor connected to Siemens PLC;*
- *Piston pump not with electronic adjustment;*
- *Sensors detecting the pressure variation inside the cylinder;*
- *Creation of a final report at the end of the testing cycle performed;*
- *Management of recipes kept in memory;*
- *Maximum testing pressure 320 bar;*

### **Optional accessories:**

- *420 bar high pressure kit;*
- *Code reading by scanner gun;*
- *Heat exchanger mounted;*
- *Counter closing cylinder for single-acting cylinders;*
- *Contamination reader according to ISO and NAS;*
- *Off-line recirculation circuit;*
- **4.0 SET with report in server.**

## **MPC0.1**

## **MANUAL**

Tests "PUSH AND GO" according to ISO 10100.

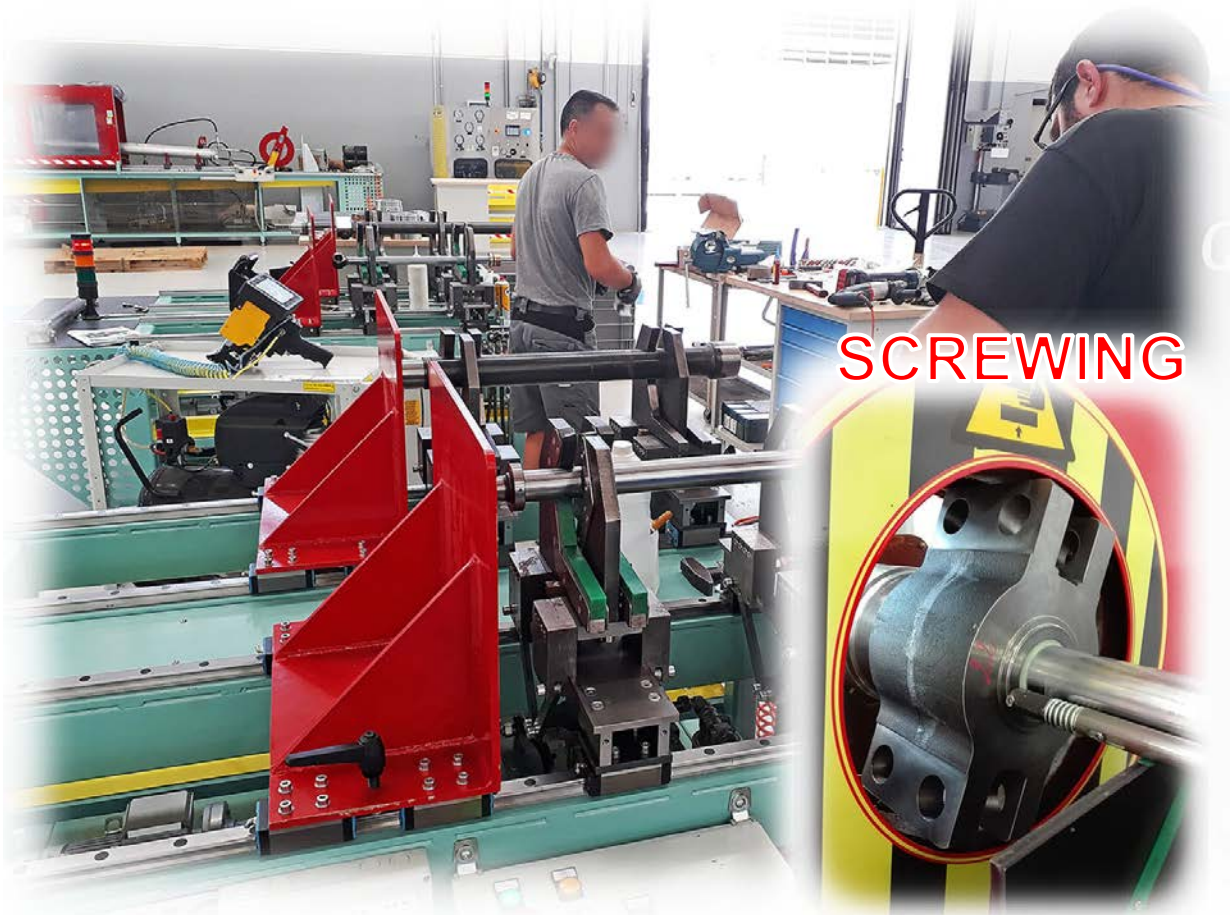
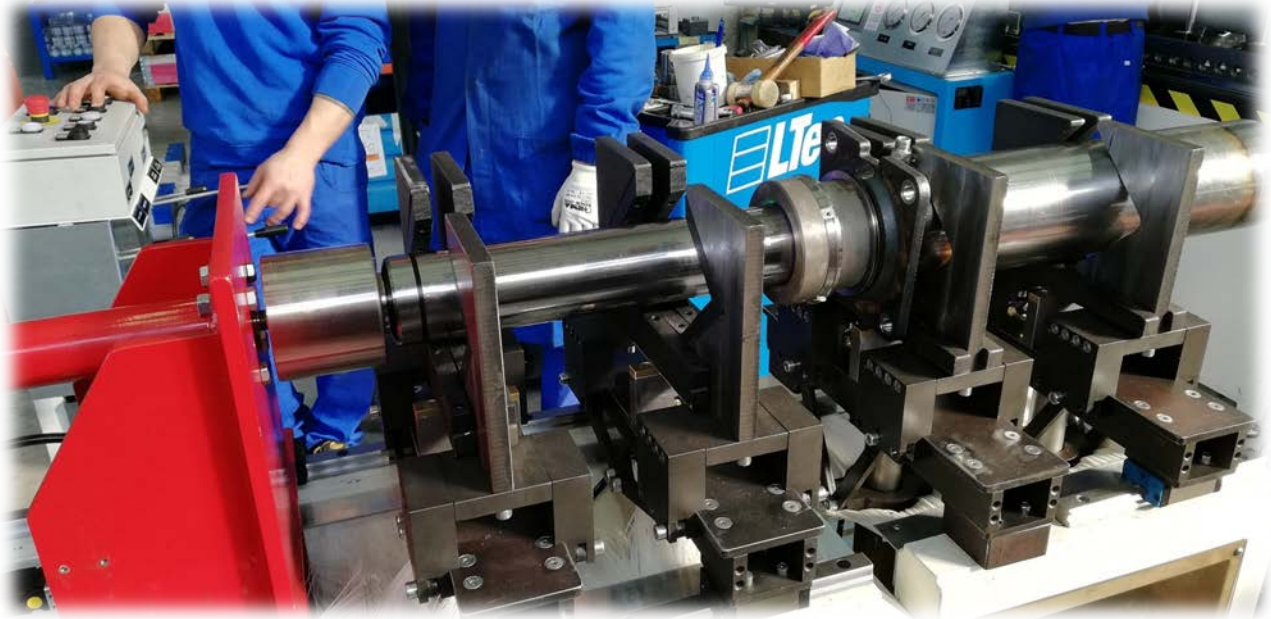
- ✓ Gear pumps;
- ✓ No detection sensors;
- ✓ No final test report;
- ✓ No cooling system;
- ✓ Maximum testing pressure **250 bar**;
- ✓ Start-up with Siemens LOGO to set test duration and number of cycles;
- ✓ Manual adjustment of pressure and flow rate;
- ✓ Vision with analogue pressure gauges of the test pressure trend.



## *MOUNTING 2020* LONG CYLINDER ASSEMBLY



## ASSEMBLY OF MEDIUM AND SHORT CYLINDER





CYLINDERS RE FLUSHING TESTING PLANTS

