

## FirstPiece Compensation (FPC)

The Scheurich FirstPiece Compensation is a solution to decrease the waste of glass and to increase the productivity of packed ampoules in parallel. The FPC has an interface to MRS22 - the HotEnd Inspection and Regulation system - with integrated ejection control and tracking of cycle. The FPC offers following advantages:

- ✓ reduction of glass waste and increase of productivity
- ✓ more stable and continuous production conditions because of less production gaps
- ✓ increase of quality in the sensitive colour sections OPC and screen printing
- ✓ switchable between FPC and none FPC products
- ✓ fitting to all generations of Moderne Mecanique hotforming machines
- ✓ suitable for retrofitting in the plant and complete new ampoule lines (OEM installations)

## Description of hardware and performance

FPC is fitting for all Moderne Mecanique machines (MM). The FPC installation for machines with belts and wheels is quite similar.

### Requirements for installation:

1. controllable loading systems from Moderne Mecanique
2. removal of the carousel
3. magnetic base drilling machine (50-60 Hz)
4. following parts for the machine preparation have to be ordered from the OEM (Moderne Mecanique):

- 6 pc: 9300-99-211B (adjust. heat burner frame)
- 2 pc: 9311-37-3005 (ramp DE1)
- 1 pc: 9300-27- 0253 (ramp holder on column)
- 1 pc: 9300-37- 0254 (knurled button)
- 2 pc: 9311-17-0137 (pillar support)
- 1 pc: 9311-37-0104 (heating column)
- 1 pc: 4121-08-1616 (BN 272 screw 8x16)
- 2 pc: 4121-08-2525 (CHC 912 screw 8x25)
- 6 pc: 4121-10-3030 (BN 272 screw 10x30)

Alternatively for retrofitting applications:  
Please ask MM for the Scheurich preparation kit of the FirstPiece compensation.

Alternatively for new machine investments or retrofitting through MM or Kyp:  
Order the machine with FPC preparation for Scheurich / Techner

Please note that some features are optional even if not specially mentioned. Modifications are without prior notice  
Status: 2020-09-17-F

Next to the **FirstPiece Compensation (FPC)** following solutions are offered in addition\*.

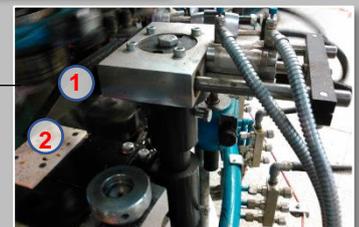
- ✓ MRS22 HotEnd Control (HEC)
- ✓ OPC + RingControl
- ✓ PrintControl
- ✓ OPC Cutter System
- ✓ BreakForceTester (BFT)
- ✓ MES-System MRS-Win

\*As complete provider of Hot- and ColdEnd inspection plus networking system, there is only one data interface for all data from the complete ampoule production line. **The signal exchange between all participants creates a maximum of data transparency.**

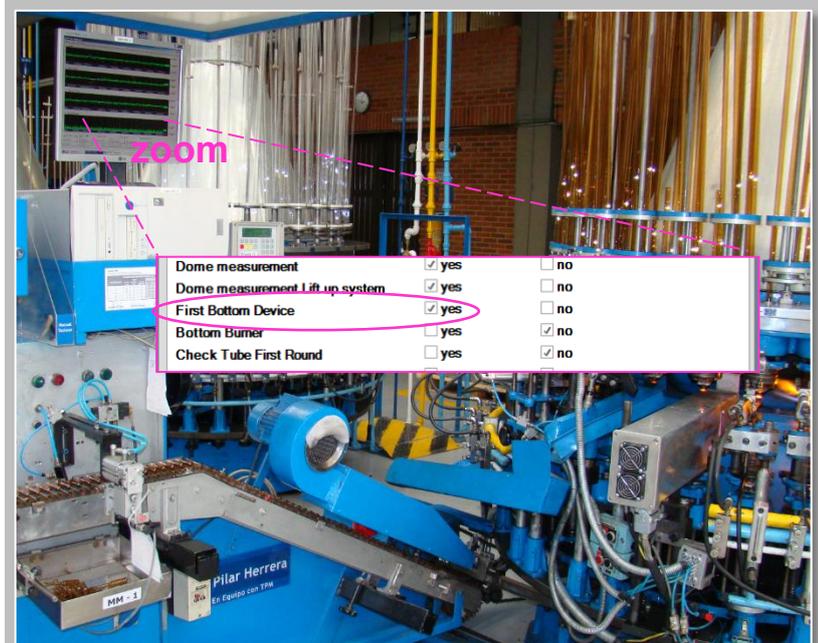


Mechanical FPC-kit fitting to MM30 hot forming machines

The slide (1) opens the chuck mechanically and the white - plate so called bottom mark (2) - determinates the length of the first ampoule of each tube



Overview of the scope of delivery of the FPC. Next to the FPC-kit (mechanical parts) - some components have to be ordered in addition from the Original Equipment Manufacturer (OEM) Ocmi.



The FPC has an interface to MRS22 - the Scheurich HotEnd Inspection and Regulation system - with integrated control of ejection and tracking of the cycle. Advantages: reduction of glass waste, more stable and continuous production conditions and increase of productivity.