



Upgrade for level fillers



Concept leaflet HMI Upgrade



PRoCARE®

The smart way to produce
more tonnage per day

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JBT builds level fillers for the Liquid Foods industry. To keep the machines up to date we introduced a continuous improvement plan. This plan results in maintenance and accuracy improvement on the machine.

This leaflet describes the safety upgrade.

Where is the opportunity?

Originally the JBT level filler were operated with simple buttons. Since around 1990, when PLC controls were used we started with display to show the status of the machine as well as operating these. Around the year 2000 the level fillers were equipped with a operator panel equipped including a Siemens OP 17 HMI. This was used to operate the machine as well as storing the various parameters of the machine.

The modification can only be done on machines which run already on a S7-400 PLC with a MPI, PB or Ethernet (Profinet) interface.



What will be modified?

The machine will be equipped with a new up to date Siemens Touch panel. These panels also have all the graphic possibilities of nowadays. The panel sits in a stainless-steel cabinet which holds the main buttons for operation the machine:

- ✓ Start
- ✓ Stop
- ✓ Inching
- ✓ Reset
- ✓ Emergency stop
- ✓ Bottle stop

What's the impact?

After ordering the electrical schematics will be converted from EPLAN P4 to EPLAN P8.

- ✓ A new program for the HMI will be programmed with WinCC Advanced TIA V16
- ✓ Adaptations for S7 PLC program will be made.
- ✓ Standard language will be English

Timewise it takes about 3 day to install and test and approx. 5 days if CIP is involved.



What are the benefits?

Up to date HMI with all the graphics. This will help the operator in his work as the following items may be available, depending the machine execution:

- ✓ Display of errors and messages
- ✓ Feedback on other line equipment
- ✓ Possibility of display CIP circuits
- ✓ Possibility of a CIP edition
- ✓ Display of levels temperatures and pressure

Please contact your JBT customer care manager for more information or a quote.

Contact for the improved slipringset

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COUNT ON JBT TO HELP PROTECT YOUR INVESTMENT

JBT's greatest value in PRoCARE® services comes from preventing unexpected costs through smart, purposeful, and timely maintenance based on unmatched knowledge and expertise. PRoCARE service packages are offered as a maintenance agreement in various service levels, depending on your production and cost management requirements.



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