

March 2010



V528 Board Software for dispensers

We are pleased to inform you that the new powerboard software version 528 can be downloaded from our website (<http://www.fast-fluid.com/software/>). The release notes are enclosed in the 528 zipfile. The V528 software includes several improvements compared to the previous version.

Please see in below schedule our recommendation on which equipment should be updated:

Machine Type	Recommendation
TM300 and HA150	Update not necessary
HA200/400/600	Version 520.3 and higher is sufficient
HA450/HA650 (built before 01/02/10)	Update recommended*
HA450/HA650 (built after 01/02/10)	Have V528 loaded as standard

* Note that it will not be necessary to schedule special visits to update your equipment. We recommend however to load the latest version when new dispensers are being installed or include this in a planned service visit.

Black coated turntables and pulleys HA450 and HA650

We have added a **protective black coating** to the turntables and pulleys in both the HA450 and the HA650.



Strengthened turntables in HA650

To maintain your dispense accuracy we have implemented the following change in the turntables of all HA650's that carry more than 16 canisters and include multiple large canisters (10 or 20 L).

We made 2 adjustments to the existing design:

- The **thickness** of the turntables has been **increased** by 1 mm.
- The two plates are now welded together thus **eliminating the risk of deformation** of the turntable after being filled with colorants.

Revisions to cantable hood and step HA450 and HA650



Durability and aging test.

The cantable cover and the step of the HA450 and HA650 are now made of a high-quality polymer. We have tested the step on durability and ageing.

The tests have been performed by a certified organisation. They have analysed the strength and stiffness by using mold flow simulations. The step can hold a weight of 373 kg. The outcome of the test

was positive: no lasting transformations and / or critical points have been found.

Changed non-slip on step

The pattern of the non-slip on the step has been changed and is more secure. The non-slip material has a complete self adhesive layer on the back which prevents the material of getting lose from the step. The bulb plate pattern has been designed to maximize friction in order to **reduce the risk of feet slipping** during refilling. The material is easy to clean.



Easy to remove Cantable cover

The polymeric cantable cover can be taken off very simply by means of a click system. This system is already used for the side panels of the HA450 and the HA650. As removing the cover is so simple the **motor and the connection point of the motor can be reached easily**.

New grease for the clamping lead screws in shakers

The grease for the clamping lead screws in the shakers has been replaced by a spray lubricant: **Molykote BG 555**. The new lubricant is high pressure resistant and has less influence on the clamping force with changing temperatures.