

Technical Bulletin

Please Distribute to all Sales and Service Personnel

Mettler-Toledo, Inc. Scales & Systems

Number: MTFW-05-99
Date: 04-15-99
Model: 645XL
Subject: Design Changes

As of 4/21/99 the current 645XL will no longer be available. An improved version of the 645 XL will be shipped on all orders beginning 4/21/99. The following are some of the improvements:

- A dual element cast sealing plate controlled by a solid state relay. This eliminates the overload thermostat as well as maintaining a more stable sealing plate temperature which will improve the package sealing.
- The heater\blower assembly has been redesigned using a compact style fan and heater assembly controlled by a solid state relay. The relay replaces the heater control board.
- The sealing plate and the heater\blower are both powered from the primary side of the transformer reducing the size of the transformer as well as greatly reducing the current load on the stepper driver board.
- The vertical mounting and the sloped cover of the new transformer eliminate the transformer tray thereby allowing debris to fall through to the floor.
- The film folder mounting is a fixed design. This eliminates the M3 film folder motor and the related adjustment mechanism. The fixed mount position improves film tracking.
- The linear actuator roller carriage assemblies have been redesigned. The new design simplifies the service procedures.
- A new lovejoy style slip-joint connection has been incorporated into the sealing belt drive. This feature will greatly simplify servicing.
- Additional support has been incorporated into the infeed assembly to help eliminate misalignment.
- The alignment holes for the platter shelf have been lowered allowing removal of the front cover without removing the shelf.
- The right vertical photoeye has been positioned back away from the package to help keep debris from accumulating on the lens.

Due to the electrical and mechanical changes these machines will have a new RAM structure and new parts and service manuals.

The new RAM structure is as follows:

<u>Current RAM</u>	<u>New RAM</u>	<u>Description</u>
0645-1013	0645-2013	645XL 115 VAC
0645-1023	0645-2023	645XL 208 VAC
0645-1033	0645-2033	645XL 230 VAC

Service Manual P/N 15715700A and Parts Manual P/N 15722200A are required for servicing these new machines. These manuals are available through Reprographics.