

Put the “COOL” Back in Your Cooling Bed!!



This month’s web posting presents, “Zephyr Cool” Cooling Bed Fans, which are available for any size or length Uniloy cooling bed. The cooling bed is located between a blow molding machines clamp and impact trimmer.

The purpose of a cooling bed is to:

- Transfer blow molded product from the clamp to the trimmer
- Act as a product que before the trimming process
- Provide cooling time for the product before it is trimmed

Blow molded product comes out of the mold with excess plastic or “flash” across its top and bottom. The flash is usually too hot for the trimming process directly out of the mold, so cooling time must be provided. A typical eight foot cooling bed provides space for up to five cycles worth of product. This means five times the machines cycle time worth of cooling.

Is this enough cooling time?

Enough cooling depends on:

- The temperature of the plastic coming out of the die
- The efficiency of the machines mold cooling system
- The temperature and humidity of the room
- The weight of the product
- The machines cycle time



What happens if I don’t have enough cooling?

Insufficient cooling before the trimming process can cause:

- Inconsistent flash removal
- Damaged, unusable product
- Accelerated trim tooling wear
- Increased wear and tear on trimmer



Make your cooling bed a “Zephyr Cool” Bed!!

Uniloy has put together the solution to augment your cooling bed effectiveness. The “Zephyr Cool” cooling bed fan retrofit mounts to your existing cooling bed, positioning the fans above the bed between the crossover and the impact trimmer. The assembly is fully adjustable for proper positioning and sized to fit your specific bed width.



“Zephyr Cool” Cooling Bed Fans



“Zephyr Cool” with Optional Filter Housing

The complete kit includes:

- Industrial Grade Fans 115V
- Fan Housing
- Adjustable Support Brackets
- Mounting Hardware
- Electrical Wiring Materials
- Assembly Prints and Schematic

An optional filter holder can be included upon request. The filter holder is designed to accommodate standard replacement filters and their purpose is to protect the blow molded product from air borne particles such as grinder dust.

An optional 1.5 KVA transformer can also be provided upon request. This option makes it possible to power the fans by tapping into the cooling beds 460V supply. Without this option a separate customer supplied 115V drop will be required.

Sales and Service

For more information on this product offering or any other machine upgrade, please contact your local Uniloy Parts Sales Representative. Trained Uniloy Service Representatives are available to assist in the installation of these packages at your facility.