

*Engineering & Equipment Solutions for Industry*

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## **Glass Industry Project Experience**

Kirk & Blum designs, fabricates and installs process ventilation systems and custom fabricated metal components for primary glass manufacturing as subcontractor to the general mechanical contractor or as direct contractor to the owner.

### **Typical Projects – Flat Glass**

Engineering services for all phases of sheet metal construction. Batch plant materials handling dust collection. Batch tower dust collection: mixers, scales, turnspouts, etc. Furnace cooling ductwork: sidewalls, waist walls, furnace bottom, bubblers, tweel, etc. Man cooling and port cooling at furnace. Merkle wall cooling: feed end, melter exit and working end entrance. Motor stirrer cooling. Doghouse dust collection. Tin bath: transformer, bottom, sidewall and port cooling. Lehr: installation of CNUD supplied ductwork, fans, fabricate and install fan stacks; insulate ductwork and stacks. Sheet cooling: fabricate and install ductwork and nozzles, supply and install fans. Acid room exhaust. Acid rinse ductwork, fans and collector. Cullet dust collection systems. Chip blower systems. Crusher acoustical enclosures.

### **Typical Projects - Bottle Glass**

Engineering and drafting services. Furnace cooling: sidewalls and feeder wall. Refiner cooling. Forehearth cooling. Machine cooling: machine header, deadplate, conveyor and com-soc. Mancooling. Tin oxide exhaust and dust collection. Lehr exhaust stacks. Bottom spray diffusion hoods and ductwork. Mold shop dust collection. Sheet metal pans for cold end conveyors.

## **Clients**

Pilkington Building Products (LOF)  
Owens-Brockway

Laurinburg NC, Toledo OH, Ottawa IL, Lathrop CA  
Brockway PA, Clarion PA, Crenshaw PA, Atlanta GA, Danville VA,  
Ringold VA, Toano VA, Lapel IN, Muskogee OK, Waco TX,  
Zanesville OH, Streator IL, Winston-Salem NC

AFG  
Guardian Glass  
GE Lighting Components  
Owens-Illinois  
PPG  
Knauf Fiber Glass  
Ford Glass  
Lawson Mardon Wheaton  
Gallo Glass

Bridgeport WV  
Carleton MI  
Bridgeville PA  
Vega Alta PR  
Fresno CA, Carlisle PA  
Shelbyville IN  
Nashville TN  
Millville NJ  
Modesto CA