



AIRFLEX

AERATION SYSTEMS

AIRFLEX OVERVIEW

THE AIRFLEX AERATION SYSTEM IS AN AIR INJECTION SYSTEM DESIGNED TO INJECT 20-MICRON AIR BUBBLES INTO ADHESIVE IN A VARIETY OF INDUSTRIES. OUR PATENTED, EASY TO USE SYSTEM CAN BE INSTALLED ON FLEXO FOLDER-GLUERS, LAMINATORS, AND ANY OTHER ADHESIVE APPLICATION MACHINE. ADHESIVE IS PUMPED FROM THE SOURCE (TOTE, CENTRAL SYSTEM), THROUGH THE AERATION LOOP, AND INTO A 30-GALLON DRUM RESERVOIR. THE ADHESIVE IS CONTINUOUSLY CIRCULATED THROUGH THE AERATION LOOP, BUILDING AIR CONTENT, UNTIL IT IS APPLIED TO THE BOX OR LABEL.

BENEFITS OF AERATED GLUE

- 38 % REDUCTION IN ADHESIVE CONSUMPTION*
- INCREASED ADHESIVE BOND STRENGTH
- FASTER DRYING TIME
- THINNER/FIRMER ADHESIVE LINE

*BASED ON 2 MONTH CONSUMPTION TRIAL

SYSTEM REQUIREMENTS

- DEDICATED AIR SOURCE
- STACKED TOTES
- WATER SOURCE FOR ROUTINE CLEANING

AIRFLEX SYSTEM HIGHLIGHTS

AERATOR	SPECIALLY DESIGNED AIR INJECTOR THAT INJECTS 20-MICRON BUBBLES INTO ADHESIVE.
AERATION LOOP	ADHESIVE IS CONTINUALLY PUMPED THROUGH AERATION LOOP TO BUILD AIR CONTENT IN ADHESIVE UP TO 30%.
30-GALLON RESERVOIR	30-GALLON TANK OF AERATED ADHESIVE TO BE PUMPED TO ADHESIVE APPLICATOR.
CLEANING SYSTEM	A QUICK, DAILY PROCESS THAT UTILIZES A 3-WAY VALVE SYSTEM TO PUMP WATER THROUGH THE AERATION LOOP, WITHOUT COMPROMISING THE ADHESIVE.
AUTOMATIC REFILL SYSTEM	ADHESIVE WILL BE AUTOMATICALLY REFILLED BY A STATE OF THE ART FLOAT VALVE INSIDE THE ADHESIVE SYSTEM WITHOUT OPERATOR INVOLVEMENT.
STAINLESS STEEL DESIGN	ALL THE PARTS OF THE AIRFLEX AERATION SYSTEM ARE HIGH GRADE STAINLESS STEEL MATERIAL THAT WILL NOT BE AFFECTED BY CORROSIVE ADHESIVE.
EASY INSTALLATION	THE AIRFLEX SYSTEM CAN BE INSTALLED ON FLEXO FOLDER GLUERS, LAMINATORS, AND ANY OTHER GLUE APPLICATOR WITH ONLY 10 MINUTES OF DOWN TIME.
LOW MAINTENANCE	IF CLEANED REGULARLY, THE AIRFLEX SYSTEM RARELY REQUIRES MAINTENANCE OR REPLACEMENT PARTS DUE TO THE SIMPLISTIC DESIGN OF THE SYSTEM.