

MODEL "E" & "A" HOT GUM POT INSTRUCTIONS

GUM POT THE GUM POT CAN BE FITTED WITH TWO DIFFERENT TYPES OF GUM APPLICATOR ROLLS WHICH ARE AVAILABLE TO SUIT VARYING CONDITIONS. THE SAME GUM POT IS USED FOR EITHER FORM SO THAT IN A FEW MOMENTS TIME, ONE TYPE CAN BE SWITCHED TO THE OTHER TYPE AND BACK AGAIN. EACH USER SHOULD DETERMINE WHICH TYPE BEST FITS HIS REQUIREMENTS. WHEN LABELING CANS, GLASS, OR PLASTIC USING HOT PICK UP GUMS FOR WRAP-AROUND LABELS AT FASTER SPEEDS, FORM "D" GUM ROLLS ARE USED. THEY CONSIST OF A SERIES OF RUBBER DISCS MOUNTED ON METAL CORES WHICH ARE FITTED SO THAT THEY ADJUST WHEN THE MACHINE IS ADJUSTED FOR CONTAINER HEIGHT. FOR APPLICATIONS USING SLOWER SPEEDS, THE FORM "C" GUM ROLLS CAN BE USED. THESE ARE METAL GEAR TYPE DISCS WHICH MESH WITH THE LOWER FEED ROLL AND ARE OF THE SAME GENERAL DESIGN AS THE FORM "D" ROLLS.

GUM ROLL ROCKER ARM AN ADJUSTABLE ROCKER ARM SUPPORTS THE GUM ROLLS PERMITTING A MORE POSITIVE APPLICATION OF THE GUM. WHEN THE CANS ROLL OVER THE GUM ROLLS, THIS ARM SHOULD MOVE DOWN AT LEAST 1/32". THIS MOVEMENT CAN BE MAINTAINED BY ADJUSTING THE SET SCREW ON THE ROCKER ARM AND RESTING AGAINST THE POT. AFTER ADJUSTMENT, ALWAYS BE SURE TO LOCK THE NUT UNDER THE SET SCREW SO THAT ADJUSTMENT IS MAINTAINED. SEE INSTRUCTION SHEET NO. 3EV.

SCRAPERS SCRAPERS ARE PROVIDED ON THE GUM ROLLS TO REMOVE THE EXCESS GUM FROM THE ROLLS. INCORRECT SETTING WILL CAUSE THE GUM TO COLLECT ON THE EDGES OF THE TOP OUTSIDE ROLLS WHICH WILL TRANSFER THE GUM TO THE CAN TRACKS, THENCE TO THE CANS AND FINALLY ONTO THE CARRIER BELTS WHICH, IN TIME, WILL CAUSE THE BELTS TO TEAR OFF THE LABELS ON THE CANS. SET THE TOP SCRAPER CLOSE ENOUGH TO THE ROLL TO ALLOW A VERY THIN SMEAR OF GUM TO BE DEPOSITED ON THE CANS. THE OPERATOR SHOULD BEAR IN MIND THAT TOO MUCH GUM IS JUST AS TROUBLESOME AS NOT ENOUGH AND HE MUST DETERMINE THE PROPER AMOUNT FROM ACTUAL OPERATING EXPERIENCE. SEE INSTRUCTION SHEET NO. 1EV-A.

THERMOSTAT LOCATED IN THE GUM POT IS A DIRECT READING THERMOMETER TO GIVE THE ACTUAL TEMPERATURE OF THE GUM IN THE POT. THE TEMPERATURE, HOWEVER, IS AUTOMATICALLY CONTROLLED BY A THERMOSWITCH MOUNTED IN THE GUM POT BASE. IT IS VERY IMPORTANT TO BE SURE THAT THE HEAT HAS BEEN ON IN THE POT LONG ENOUGH SO THAT THE TEMPERATURE IS CORRECT BEFORE ADJUSTING OR OPERATING THE MACHINE. THE TOP TEMPERATURE OF THE THERMOSWITCH IS APPROXIMATELY 400 DEGREES AND THE BOTTOM TEMPERATURE IS 100 DEGREES. WHEN A TEMPERATURE CHANGE IS MADE, AT LEAST 10 MINUTES SHOULD ELAPSE UNTIL A FURTHER CHANGE IS MADE, THEREBY GETTING TRUE READINGS OF THE FIRST CHANGE BEFORE ANOTHER IS MADE.

OPERATING INSTRUCTIONS WHEN OPERATING THE MACHINE BE SURE THAT THE GUM IS HEATED AND THE GUM ROLLS ARE FREE TO ROTATE ON THEIR SHAFTS SINCE THE OUTSIDE GUM ROLLS HAVE FLANGES WHICH RUN IN GROOVES ON THE UNDERSIDE OF THE CAN TRACKS AND, THEREFORE, MOVE WITH THE TRACKS WHEN MAKING CONTAINER HEIGHT ADJUSTMENTS. IT IS VERY IMPORTANT TO ALWAYS DISCONNECT THE GUM POT DRIVE SHAFT ON THE REAR SIDE OF THE MACHINE AT THE END OF A RUN, SINCE THE GUM SOLIDIFIES WHEN IT COOLS DOWN TO ROOM TEMPERATURE AND FREEZES THE WHOLE TURNING MECHANISM. LIKEWISE, WHEN STARTING UP THE MACHINE, DO NOT RECONNECT THE SHAFT BEFORE THE GUM HAS HEATED UP LONG ENOUGH TO BECOME LIQUID AND THE SHAFTS TURN FREELY BY HAND.

A THOROUGH INSPECTION AND TEST IS MADE OF THE MACHINE BEFORE IT IS SHIPPED FROM THE FACTORY. HOWEVER, THE USERS WAREHOUSE AND CONTAINER CONDITIONS MAY VARY CONSIDERABLY FROM THE CONDITIONS UNDER WHICH THE TESTS WERE MADE, THEREFORE, THE OPERATOR MUST DETERMINE BY HIS OWN EXPERIMENTATION WHICH TYPE OF PICK UP GUM, WHAT SPEEDS AND WHAT TEMPERATURE WILL GIVE HIM THE MOST EFFICIENT OPERATION OF THE MACHINE UNDER HIS OWN CONDITIONS.

MANY OF THE DIFFICULTIES WHICH ARISE IN PACKING PLANTS ARE DUE TO TEMPERATURE VARIATION OF THE CONTAINERS OR CONDITIONS OF THE SURFACE OF THE CONTAINERS SUCH AS WETNESS OR OILINESS. SOMETIMES WHEN MOVING CONTAINERS FROM A COLD STORAGE ROOM INTO A WARMER LABELING ROOM, THE CAN SURFACE WILL PICK UP MOISTURE MAKING THEM VERY DIFFICULT TO LABEL. HOWEVER, GUM CAN BE PURCHASED TO OVERCOME ANY OF THE DIFFICULTIES, ALTHOUGH IT IS ALMOST IMPOSSIBLE TO LABEL CONTAINERS WHEN ONE IS HOT AND THE ONE, IMMEDIATELY FOLLOWING, IS ICE COLD OR ONE DRY AND THE ONE FOLLOWING, WET OR GREASY. THEREFORE, IT IS IMPORTANT THAT THE PACKER MAINTAIN UNIFORMITY OF CONDITIONS IN SO FAR AS IT IS POSSIBLE. IT IS IMPOSSIBLE FOR THE MANUFACTURER TO KNOW THE USER'S WAREHOUSE AND CONTAINER CONDITIONS.

WHEN USING HOT GUM, ALWAYS RUN THE GUM HOT ENOUGH THAT IT WON'T STRING. THE STRINGS, OF COURSE, GET ALL OVER THE MACHINE AND, IN TIME, MAKE IT IMPOSSIBLE TO APPLY LABELS NEATLY. SOME GUMS, HOWEVER, WILL STRING A LITTLE BIT WITHOUT CAUSING MUCH DAMAGE. HOT GUM PERMITS GREATER FLEXIBILITY BECAUSE ITS STICKINESS CAN BE CHANGED BY THE THERMOSTATIC CONTROLS TO MEET VARYING CONDITIONS IN THE WAREHOUSE. FURTHERMORE, GREASE OR SCUM WHICH MAY COLLECT ON CANS HAS NO EFFECT ON HOT GUM. IF THE GUM IS TOO HOT, THE CANS WILL PASS OVER THE LABEL PARTLY PICK IT UP, BUT AGAIN, DROP IT AND PASS THROUGH THE MACHINE UNLABELED. THE REASON THAT THE LABEL IS DROPPED IS BECAUSE THE GUM IS NOT STICKY ENOUGH TO HOLD THE LABEL AFTER IT PICKS IT UP. A LOWERING OF THE TEMPERATURE OF THE GUM WILL HELP. IF THE GUM IS NOT HOT ENOUGH, IT WILL NOT BE STICKY ENOUGH AND THE LABELS WILL AGAIN NOT BE PICKED UP. IT MUST BE EMPHASIZED THAT THE TEMPERATURE OF THE GUM IS DEPENDENT ON THE TEMPERATURE OF THE CAN SINCE HOT CANS WOULD REQUIRE A COLDER GUM THAN COLD CANS. FURTHER TROUBLE WILL RESULT WHEN GUM IS RUN TOO COLD BECAUSE THE TOP GUM WHEELS WILL CARRY AN OVER SUPPLY OF GUM ON THEIR SIDES. THE GUM, IN TURN, WILL FLOW OUT ONTO THE CAN TRACKS AND THENCE ONTO THE CAN. THE GUM WILL ALSO LEAVE A LARGE BLOTCH ON THE BODY OF THE CAN CAUSING A ROUGH LAP OF THE LABEL.

CARE OF POTS WHEN USING HOT PICK UP GUM, IT CAN BE LEFT IN THE POT SINCE THE GUM WILL SOLIDIFY AS IT COOLS. HOWEVER, IT IS IMPORTANT THAT THE GUM POT DRIVE BE DISCONNECTED SO THAT IF SOMEBODY SHOULD START THE MACHINE UNWHITTINGLY, THE DRIVE WHICH IS FROZEN WITH THE GUM WILL NOT BE DAMAGED.

THE COMPLETE POT CAN BE REMOVED FOR GENERAL CLEANING BY REMOVING THE SIX SCREWS LOCATED AT THE EDGES OF THE BASE AND SCREWED UP INTO THE POT. TO SLIDE OUT THE POT, FIRST REMOVE THE GUM ROLL SHAFT AND THE GUM ROLLS, THEN SLIDE THE POT OUT UNDER THE CAN TRACK. THEN REMOVE ALL OF THE HOT GUM SCRAPERS AND THE THERMOMETER. THE WAY TO CLEAN THE POT IS TO PREHEAT IT, POUR OFF AS MUCH OF THE GUM AS POSSIBLE, AND THEN USE A HIGH PRESSURE STEAM HOSE TO BLOW OUT THE REMAINDER.

WHEN PUTTING THE POT BACK TOGETHER, BE SURE THAT ALL OIL HOLES ARE FREE FROM DIRT AND WATER AND FILL THE BEARINGS WITH OIL. MAKE SURE THAT WHEN PLACING THE POT BACK, THE DRIVING GEARS AT THE BACK OF THE POT ARE PROPERLY MESHED BEFORE INSERTING THE CAP SCREWS AND TIGHTENING.

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