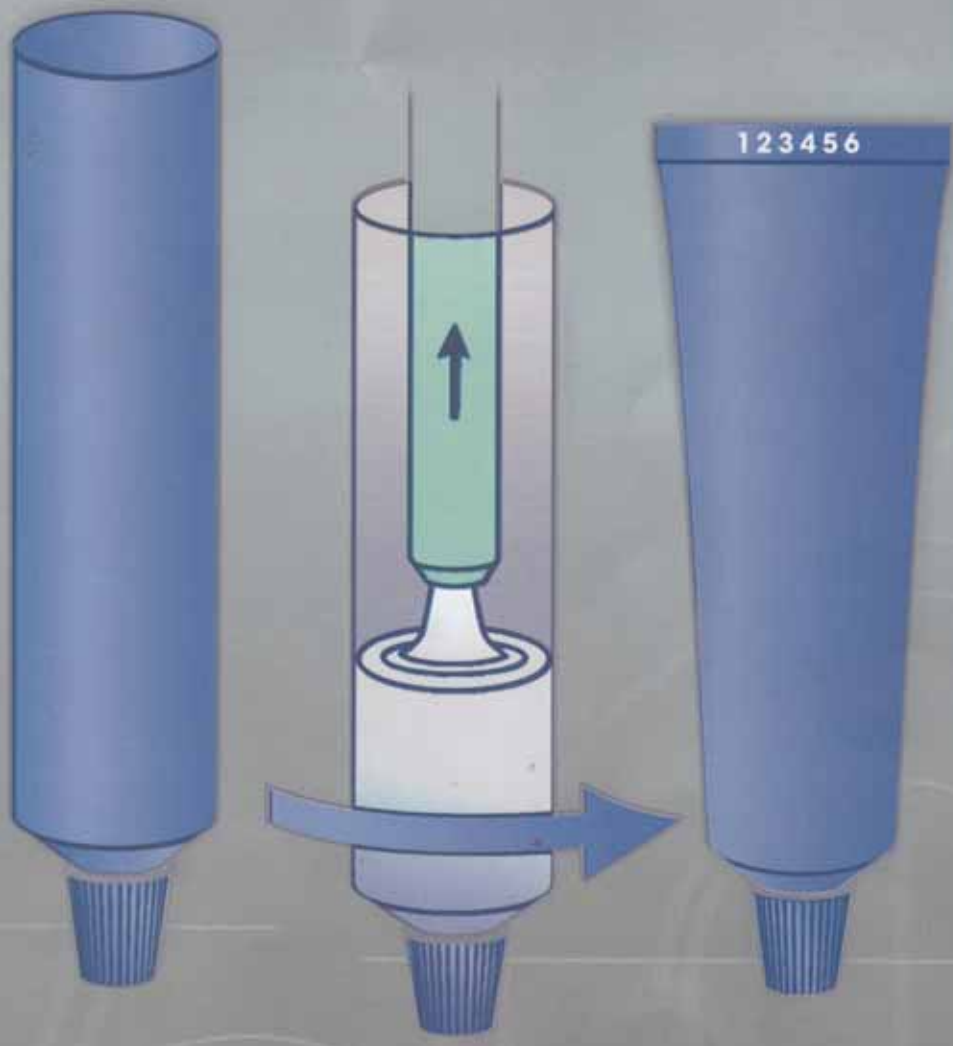




TUBE FILLER

Super Glue



KENTEX WAS ESTABLISHED IN 1984 AS A SPECIALIZED MANUFACTURER OF TUBE FILLING MACHINES . WE HAVE CAPTURED A MAJORITY OF THE SUPER GLUE TUBE FILLER IN THE INTERNATIONAL MARKET . OUR ACCUMULATED EXPERTISE COMBINED WITH CONTINUING RESEARCH AND DEVELOPMENT HAS CONTRIBUTED TO OUR SALES VOLUME TO OVER 1,000 UNITS WORLDWIDE . WE PROVIDE OUR CUSTOMERS WITH AN UTMOST SATISFACTION COMING FROM EFFICIENT PRODUCTION COMBINED WITH QUALITY FINISHED PRODUCTS.

Ms SERIES MACHINE UNITS WERE DEVELOPED MAINLY TO CATER TO LOW VISCOSITY GLUE PRODUCTS (MAX. 1,000CPS) WHILE OUR MSG SERIES MACHINE UNITS WERE LATER DEVELOPED FOR HIGHER VISCOSITY GLUE PRODUCTS (MAX. 80,000CPS). EACH OF THESE SERIES HAS SEMI-AUTOMATIC AND FULLY AUTOMATIC MODELS FOR VARYING PRODUCTION REQUIREMENTS. GMP STANDARDS HAVE ALL BEEN UPHELD IN EACH AND EVERY OF OUR MACHINE UNITS. MACHINE OPERATION HAS BEEN MADE EASY FOR WORKERS TO HANDLE ANY REQUIRED MANUAL SUPPORT. VARYING TUBE MATERIALS HAVE DIFFERENT MODEL UNITS CATERING TO EACH OF THE RESPECTIVE SPECIFIC NEEDS. ELECTRICAL CIRCUITS ARE CONTROLLED THROUGH A PLC UNIT IN MAINTAINING PRODUCTION ACCURACY AND EFFICIENCY.

OPERATIONAL PROCEDURES

1 **K800 TUBE FEEDING TYPE:** (OPTIONAL CASSETTE FEEDER ACCESSORY)

THE OPERATOR PLACES WHOLE BOX OF EMPTY TUBES ONTO THE CASSETTE FEEDER AS ILLUSTRATED IN DIAGRAM #3 AND WITHDRAWS EMPTY BOX AT A TILTED POSITION . CASSETTE IS TILTED BACK TO NORMAL POSITION AFTERWARDS. TUBES ARE FED AND DISCHARGED INTO EACH INDIVIDUAL TUBE HOLDERS, AS IN DIAGRAM # 4. K500 MODEL ADAPTS MANUAL POSITIONING OF EMPTY TUBES INDIVIDUALLY INTO EACH TUBE HOLDER.

2 **TUBE ORIENTATION AND COUNTER**

ADAPTING ORIENTATION SHAFT , ADJUST PROPER TUBE CENTERING POSITION AT THE SAME TIME ENABLING SENSOR TO PICK UP TUBE EYE MARK AND SETTING THE BRAKING POSITION . WHEN TUBE ASCENDS TO MAXIMUM HEIGHT, SENSOR DETECTS TUBE PRESENCE AND FILLING MEMORY IS LOGGED IN COUNTER DEVICE.

3 **TUBE CLEANING EQUIPMENT** (OPTIONAL)

BEFORE EACH FILLING STEP, EMPTY TUBES ARE CLEANED BY A BLOWING AND SUCTION TO RID OUT DUST IN MAINTAINING GMP STANDARDS.

4 **PROGRESSIVE BOTTOM UP FILLING**

SUPER GLUE GEL FILLING NOZZLE DESCENDS TO TUBE BOTTOM . NOZZLE ASCENDS WHILE FILLING WHEN FILLING PUMP IS IN ACTION TO PREVENT AIR BUBBLES FROM BEING TRAPPED WITHIN SUPER GLUE GEL (AS ILLUSTRATED IN DIAGRAM # 5). WHEN FILLING ENDS, NOZZLE VALVE IS SHUT FOR AN LEAK-FREE CONDITON. A MACHINERY JAGGED CLUTCH SYSTEM FOR A "NO TUBE- NO FILLING" SAFETY DEVICE. DIFFERENCES BETWEEN MS AND MSG ARE SHOWN IN DIAGRAMS # 1 AND # 2.

5 **SEALING AND CODING**

STRONG TUBE SEALING ASSURES A LEAK-FREE TUBE (AS ILLUSTRATED IN DIAGRAM # 6) WITH VARIOUS SEALING TYPES AVAILABLE FOR SELECTION (AS ILLUSTRATED IN DIAGRAM # 7).SINGLE OR DOUBLE CODING EFFECTS MAY BE SELECTED.

6 **TUBE EJECTION**

WHEN TUBE IS AT LAST STAGE OF ENTIRE PROCESS, EJECTION ROD ASCENDS TO PUSH TUBE OUT OF TUBE HOLDERS (REVERSED EJECTION AVAILABLE AS OPTIONAL)

MS #1 **SUPER** **GLUE** **FILLING** **MECHANISM**

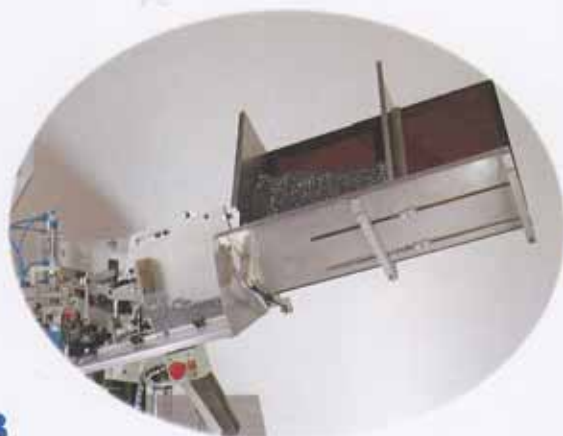


PRESET DOSING VOLUME
BY PLASTIC CONTAINER SUCTION,
ACCURACY FOR A 3 g TUBE AT
 ± 0.05 g. INJECTION TYPE FILLING
ENABLE PRODUCTION COSTS TO
BE KEPT A MINIMUM LEVEL.

MSG #2 **SUPER** **GLUE GEL** **FILLING** **MECHANISM**



SUPER GLUE GEL USE
DESCENDING FILLING TYPES.
FILLING PUMP WITHDRAWS MATERIAL FROM THE 25 LITERS
HOPPER AT A PRESET DOSING VOLUME, FILLING NOZZLE DESCENDS
INTO TUBE BOTTOM, PROGRESSIVE BOTTOM UP FILLING TO PREVENT
LEAKING WITHIN GLUE PRODUCT. FILLING NOZZLE MAY BE CHANGED
IN DIAMETER ACCORDING TO THE CPS RANGE OF THE GLUE
MATERIAL TO AVOID AIR BUBBLES TRAPPED WITHIN THE PRODUCT,
THUS MAINTAINING A LONGER SHELF LIFE.



#3 **TUBE DISCHARGE SYSTEM** **& CASSETTE**



#4 **TUBE INFEEED +** **AUTO CENTERING**

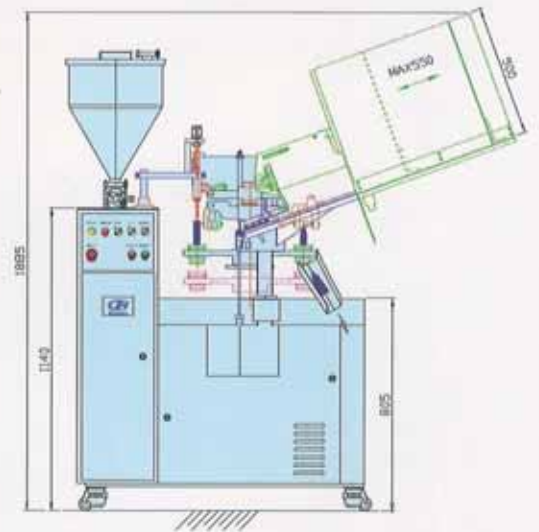
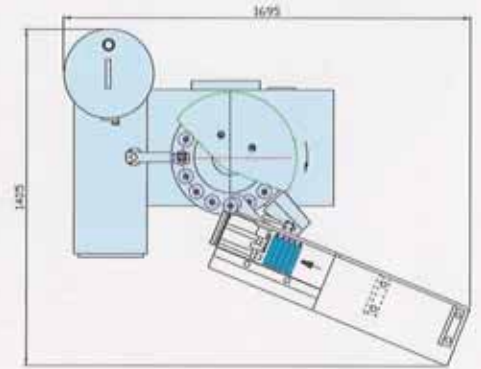


#5 **TUBE CLEANING + FILLING**



#6 **SEALING + CODING** **+ EJECTION**

K800 SERIES



PUMP SPECIFICATIONS

MS

PUMP Ø	Volume(ml)	
	min	max
17.5	1.0	8
22.0	5.0	20

MSG

PUMP Ø	Volume(ml)	
	min	max
15	1.0	8
25	6.0	25

TYPE	K800 - MS	K800 - MSG
Functions & Specifications		
Capacity	75tubes/min (MAX.)	60tubes/min (MAX.)
Tube Diameter	Ø 10 ~ 25 mm	Ø 10 ~ 25 mm
Tube Length	50 ~ 135 mm	50 ~ 135 mm
Volume	1.0 ~ 8g	1.0 ~ 8g
Main Motor	1 HP (0.75KW)	1 HP (0.75KW)
Weight	Net.450kgs/Gr.650kgs	Net.500kgs/Gr.700kgs
Dimension	1.4(L) x 1.2(W) x 1.7 (H)	1.6(L) x 1.2(W) x 1.7 (H)