



SMART GATEWAY
TO
HIGH END PHARMACEUTICAL
PACKAGING & CONTAINMENT
SOLUTIONS



ASIAN PHARMA EQUIPMENTS

- **ASIAN EQUIPMENTS IS INCEPTED BY A HARD CORE TEAM OF PROFESSIONALS WHO HAVE QUALITY EXPOSURE OF OVER 2 DECADES FOR HIGH END PHARMA PACKAGING SYSTEMS.**
- **AN ASPIRANT FOR ISO 9001: 2000, APE IS ENGAGED IN MANUFACTURING HIGH END PHARMACEUTICAL PACKAGING SYSTEMS (PFS PACKAGING SYSTEMS, PLUNGER ROD PLACEMENT WITH LABELLING & BACK STOPPER ASSEMBLY SYSTEMS ,CUSTOMIZED HIGH END LABELLING SYSTEM WITH PRINTING ,SCANNING & REJECTING FACILITY) & CONTAINMENT SYSTEMS (ISOLATORS, GLOVEBOXES, LAF, PASS BOXES).**
- **APE'S COMPACT MANUFACTURING UNIT IS LOCATED AT AN INDUSTRIAL FRIENDLY CITY OF HYDERABAD & IS EQUIPPED WITH LATEST PRODUCTION & QUALITY TESTING FACILITIES.**



PRODUCT PROFILE:
PHARMACEUTICAL INJECTABLE PACKAGING SYSTEMS

STERILE INJECTABLE PACKAGING SYSTEMS

- **PRE FILL SYRINGE PACKAGING SYSTEMS.**
- **CARTRIDGE PACKAGING SYSTEMS**



LABELING SYSTEMS

- **LABELER FOR ROUND/FLAT/OVAL//MULTI LABELS PRODUCTS**

SPECIAL PURPOSE MACHINES(SPM)

- **HIGH END LABELLING SYSTEMS WITH PRINTING,SCANNING & REJECTING SYSTEM WITH 21 CFR COMPLIANCE**



PRODUCT PROFILE:
PHARMACEUTICAL ISOLATORS/CONTAINMENT SYSTEMS

- **PHARMACEUTICAL POSITIVE ISOLATORS**
- **PHARMA CHARGING ISOLATORS FOR R & D APPLICATION**
- **SAMPLING ISOLATORS**
- **DISPENSING ISOLATORS**
- **OEL SAMPLING SYSTEMS**
- **CHARGING ISOLATORS**





PRE FILL SYRINGE PACKAGING SYSTEMS

- **ADVANCED PREFILL SYRINGE FILING & STOPPERING MACHINES (SEMI AUTOMATIC/FULLY AUTOMATIC)**
- **PLUNGER ROD PLACEMENT SYSTEMS**
- **LABELLING SYSTEMS WITH ON LINE PRINTING, SCANNING & REJECTION SYSTEM**
- **FINGER GRIP ASSEMBLY SYSTEMS**
- **R & D / F & D APPLICATION MODELS**

WHY AE??

- **SYSTEM SUITABLE FOR AQUEOUS VISCOUS SUSPENSION DRUGS**
- **UNIQUE FILLING SYSTEM WITH + 0.5% ACCURACY**
- **SUITABLE FOR ALL TYPES OF PFS (GLASS/COC)**
- **SUITABLE FOR NESTED & BAGGED STOPPERS**
- **UNIQUE BUBBLE FREE FILLING SYSTEMS**
- **KEY COMPONENTS FULLY AUTOCLAVEBLE**





PRE –FILLED SYRINGES

"A KEY INNOVATION FOR PARENTERAL PACKAGING AND ADMINISTRATION"

- ***ADVENT OF ADVANCED BIOTECH PRODUCTS & VACCINES HAVE SEEN THE UNPRECEDENTED RISE IN DEMAND FOR SMARTER DRUG DELIVERY SYSTEM LIKE PRE FILL SYRINGE LIKE NEVER BEFORE.***
- ***HOWEVER DUE TO OVERALL LESS OR POOR INFORMATION ON THE PRE FILL SYRINGE AS A MEDICAL DEVICE & ITS BENEFITS, SO CALLED PRICE MYTHS FOR THE FILLING & CLOSING SYSTEM FOR PRE FILL SYRINGES MANY ASPIRANTS ORGANIZATION STAY AWAY FROM THIS INDUSTRY & PATIENT FRIENDLY SYSTEM.***



➤ **PRE- FILL SYRINGE FILLING & CLOSING SYSTEMS**



- **COMPREHENSIVE COMPLIANCE TO INTERNATIONAL REGULATORY REQUIREMENTS.**
- **SUITABLE FOR NESTED PRE FILL SYRINGES & BAGGED STOPPERS.**
- **NESTED VIALS & PRE CRIMPED CARTRIDGES CAN BE FILLED & CLOSED WITH CHANGE PARTS SUPPORT.**
- **SUITABLE FOR ALL TYPES OF FILLING SUBSTANCES I.E. VISCOUS, AQUEOUS.**
- **FILLING VOLUME SPECTRUM@ 0.2ML TO 10 M WITH CHANGE PARTS SUPPORT.**
- **HIGH FILLING ACCURACY@ +1%.**
- **AUTO REMOVAL FOR TYVEK PAPER & LINER.**
- **SERVO CONTROLLED SYSTEM**
- **OUTPUT UPTO 100 PFS /MIN.**





FULLY AUTOMATIC PLUNGER ROD INSERTION+BACK STOPPER(FINGER GRIP)+ LABELLING SYSTEM WITH PRINT SCAN & REJECT SYSTEM



- **SERVO DRIVEN SYSTEM .**
- **ON LINE PRE FILL SYRINGE FILLING & CLOSING SYSTEMS.**
- **COMPREHENSIVE COMPLIANCE TO INTERNATIONAL REGULATORY REQUIREMENTS.(21 CFR PART 11).**
- **SYRINGE DE-NESTING SYSTEM.**
- **SUITABLE FOR 1ML TO 10 ML PRE FILL SYRINGES(CHANGE PARTS SUPPORTED)**
- **OUTPUT UPTO 100 PFS/MIN**



PHARMACEUTICAL CONTAINMENT SYSTEMS

- **ISOLATOR AND CONTAINMENT SYSTEMS ARE BECOMING INCREASINGLY IMPORTANT TO THE PHARMACEUTICAL INDUSTRY.**
- **THE IMPROVEMENT IN PRODUCT QUALITY, THE REDUCTION OF OPERATING COSTS AND THE CAPABILITY OF LONGER PRODUCTION RUNS ARE SIGNIFICANT ADVANTAGES IN COMPARISON TO CONVENTIONAL CLEAN ROOM PRODUCTION.**
- **COMPLEX FILLING LINES REQUIRE COMPETENT MANAGEMENT OF THE INTERACTION BETWEEN FILLING MACHINE, ISOLATOR SYSTEM AND SUBSEQUENT MACHINES, EXAMPLE: FREEZE-DRYING SYSTEMS OR OVERSEAL CAPPING MACHINES. CHALLENGES INCLUDE THE SAFE FUNCTIONING OF THE INTERFACES, THE SIMPLICITY OF THE OVERALL CONTROLS SYSTEM AND EASY OF OPERATION OF THE INDIVIDUAL COMPONENTS.**



BENEFITS OF PHARMA CONTAINMENT SYSTEM

- **HIGHEST PRODUCT QUALITY DUE TO CONSEQUENT BARRIER TECHNOLOGY.**
- **AUTOMATIC, VALIDATEABLE BIO DECONTAMINATION SYSTEM.**
- **FAST AND HIGHLY EFFICIENT BIO DECONTAMINATION CYCLES.**
- **REQUIREMENTS FOR PRODUCT AND PERSONNEL PROTECTION DURING PROCESSING OF HIGHLY POTENT DRUGS ARE MET.**





PHARMACEUTICAL CONTAINMENT SYSTEMS





➤ **LABELING SYSTEMS**



**UNIVERSAL COMBO LABELER FOR VIAL/AMPOULE/CARTRIDGE
OUTPUT UP TO 120 OBJECTS PER MINUTE
WITH ON LINE PRINTER+SCANNER WITH REJECTION SYSTEM**



**LINEAR VIAL/BOTTLE LABELER(CYLINDRICAL SHAPE OBJECT)
OUTPUT UP TO 300 OBJECTS PER MINUTE
WITH ONLINE PRINTER/SCANNER & REJECTION FACILITY**



**COMBO ROTARY VIAL/AMPOULE LABELER
OUTPUT UP TO 400 OBJECTS PER MINUTE
WITH ON LINE PRINTER/SCANNER & REJECTION FACILITY**



➤ **LABELING SYSTEMS**



***FRONT & BACK LABELLING MACHINE FOR TWO SIDE LABELING
OUTPUT UP TO 200 OBJECTS PER MINUTE***



***STANDARD LABELLING MACHINE FOR ALL ROUND SHAPE
CONTAINERS
OUTPUT UP TO 200 OBJECTS PER MINUTE***



***STANDARD LABELLING MACHINE FOR FLAT OBJECT(WFI
CASSETTE/
IV BAGS) OUTPUT UP TO 150 OBJECTS PER MINUTE***



REACH US @

ASIAN EQUIPMENTS

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LABORATORIES FURNITURE

