

SMART GATEWAY

TO
HIGH END PHARMACEUTICAL
PACKAGING & CONTAINMENT
SOLUTIONS



# ASIAN PHARMA EQUIPMENTS

- \* ASIAN EQUIPMENTS IS INCEPTED BY A HARD CORE TEAM OF PROFESSATIONALS 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 RHARMACEUTICAL PACKAGING SYSTEMS (PFS PACKAGING SYSTEMS, PLUNGER ROD PLACEMENT WITH LABELLING & BACK STOPPER ASSEMBELY SYSTEMS, CUSTOMIZED HIGH END LABELLINGSYSTEM 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 COMPLIENCE



## 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

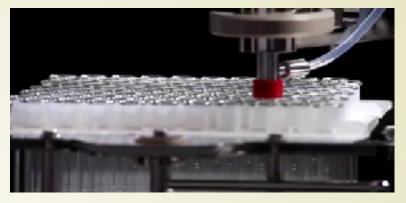
- > ADVANCED PREFILL SYRINGE FILING & STOPPERING MACHINES (SEMI AUTOMATIC/FULLY AUTOMATIC)
- > PLUNGER ROD PLACMENT SYSTEMS
- > LABELLING SYSTEMS WITH ON LINE PRINTING, SCANNING & REJECTION SYSTEM
- FINGER GRIP ASSEMBLY SYSTEMS
- R & D /F & D APPLICATION MODELS

## 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 QUALITIY 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

















