

[www.harikrushnatechnopride.com](http://www.harikrushnatechnopride.com)

**HT** Harikrushna  
Technopride Engg.

*“Scientific Excellence In Injectable Packaging Technologies”*

**PACKAGING SYSTEMS FOR :**  
**PRE-FILL SYRINGES | CARTRIDGES | BD-UNIJECT**  
**VIALS & AMPOULES | SYRUP & SUSPENSION**



## HTE INDIA : THE ORGANIZATION



### HTE INDIA - PHARMACEUTICAL PACKAGING SYSTEMS :

- ☛ *HTE INDIA offers pharmaceuticals packaging system with strategic advantages for Advanced and customized parental / Oral / Drug Delivery packaging systems to help your Drug reach to its full potential.*
- ☛ *Maximizing healthcare safety with compliance to international regulatory requirements.*
- ☛ *We are committed to build partnership to develop product packaging solutions to meet your need by leveraging a work innovative engineering technologies.*
- ☛ *We are dedicated to deliver supreme level reliabilities inform of Quality, Service & customer relationship.*

### ABOUT THE PROMOTOR :

- ☛ *HTE INDIA, incepted in the year 1996 by Mr. Mahesh Kumar; a qualified pharmaceutical engineer with a focused vision to offer quality oriented indigenous pharmaceutical packaging machinery to healthcare fraternity.*
- ☛ *HTE INDIA with its GLOCAL vision is an organization known for its Global Standard pharmaceutical packaging systems at Local & affordable price line.*
- ☛ *The Journey Continues.....*

**“\*CELEBRATING HIGHEST NUMBER OF PRE-FILL SYRINGE MACHINE INSTALLATIONS ACROSS SOUTH ASIA”**

## **“KRISTAIN SERIES”**

**FULLY AUTOMATIC PRE-FILL SYRINGE FILLING & STOPPERING SYSTEM  
SUITABLE FOR NESTED PRE-FILLABLE SYRINGES & NESTED STOPPERS**



<b>SERIES</b>	<b>MODEL NO.</b>	<b>REFFERAL OUTPUT</b>
KRISTAIN - II	HTE-PFS-A-02	15 TO 20 PFS / MIN.
KRISTAIN - III	HTE-PFS-A-05	40 TO 50 PFS / MIN.
KRISTAIN - IV	HTE-PFS-A-10	60 TO 80 PFS / MIN.

**BUBBLE FREE FILLING  
TECHNOLOGY**

- 21CFR PART 11 COMPLIANCE.**
- SUITABLE FOR AQUEOUS, VISCOUS & VISCO-ELASTICS DRUGS.**
- FILLING ACCURACY @  $\pm 0.02$ ML IN 0.2ML FILL.**
- FILL VOLUME SPECTRUM : 0.2 ML TO 10 ML  
(CHANGE PART SUPPORTED).**
- TUB - IN & TUB - OUT MOVEMENT.**
- SYNCHRONIZED LAF WITH RABS/ISOLATOR**
- SERVO DRIVEN SYSTEM**



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Tyvek Paper & Lid Remover

No2 Flushing & Filling

Vacuum Stoppering Process

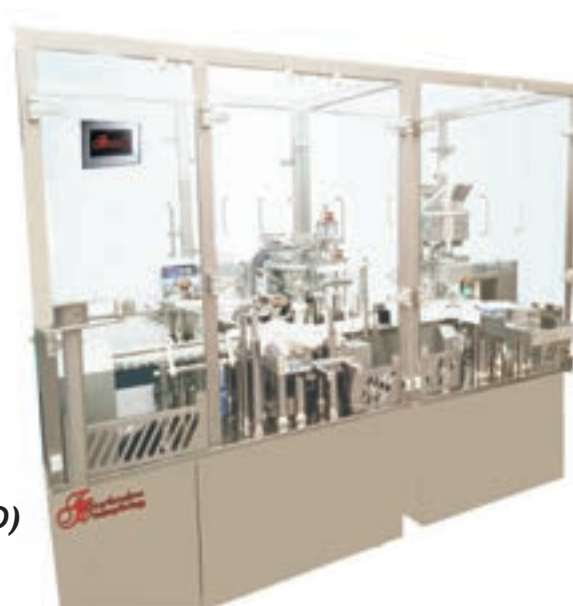
Filled & Stoppered Syringe Tub Removal

**“KRISTAIN SERIES”  
COMBO FILLING & STOPPERING SYSTEM  
SUITABLE FOR NESTED PRE-FILLABLE SYRINGES, CARTRIDGES & VIALS**



**BUBBLE FREE FILLING  
TECHNOLOGY**

<b>SERIES</b>	<b>MODEL NO.</b>	<b>REFFERAL OUTPUT</b>
KRISTAIN UNIVERSAL - V	HTE-UNI-A-VB-02	15 TO 20 OBJECTS / MIN.
KRISTAIN UNIVERSAL - VI	HTE-UNI-A-VB-05	40 TO 50 OBJECTS / MIN.
KRISTAIN UNIVERSAL - VII	HTE-UNI-A-VB-10	60 TO 80 OBJECTS / MIN.



- **SUITABLE FOR NESTED PRE-FILLABLE SYRINGES, CARTRDIGES & VIALS.**
- **EASY CHANGE OVER FROM ONE DEVICE TO OTHER.**
- **AUTO TYVEK PAPER & LID REMOVER.**
- **21CFR PART 11 COMPLIANCE.**
- **SUITABLE FOR AQUEOUS, VISCOUS & VISCO-ELASTICS DRUGS.**
- **FILLING ACCURACY @  $\pm 0.02$ ML IN 0.2ML FILL.**
- **FILL VOLUME SPECTRUM : 0.2 ML TO 10 ML (CHANGE PART SUPPORTED)**
- **SERVO DRIVEN SYSTEM**



*Nested PFS*



*Bagged Stoppers*



*Nested Vials*



*Nested Cartridges*

## **“KRISTAIN SERIES”**

### **SEMI AUTOMATIC PRE-FILL SYRINGE FILLING & STOPPERING SYSTEM SUITABLE FOR NESTED PRE-FILLABLE SYRINGES & NESTED STOPPERS**



**BUBBLE FREE FILLING  
TECHNOLOGY**

<b>SERIES</b>	<b>MODEL NO.</b>	<b>REFFERAL OUTPUT</b>
KRISTAIN - VIII	HTE-PFS-SA-02	10 TO 15 PFS / MIN.
KRISTAIN - IX	HTE-PFS-SA-05	30 TO 40 PFS / MIN.
KRISTAIN - X	HTE-PFS-SA-10	40 TO 60 PFS / MIN.

- SUITABLE FOR R&D/F&D PURPOSE & SMALL BATCH SIZE PRODUCTION.**
- SUITABLE FOR NESTED PRE-FILL SYRINGES & NESTED STOPPERES**
- MANUAL TRANSFER OF TUB FROM FILLING TO STOPPERING UNIT.**
- 21 CFR PART 11 COMPLIANCE.**
- SUITABLE FOR AQUEOUS, VISCOUS & VISCO-ELASTICS DRUGS.**
- FILLING ACCURACY @  $\pm 0.02$ ML IN 0.2ML FILL.**
- FILL VOLUME SPECTRUM : 0.2 ML TO 10 ML (CHANGE PART SUPPORTED).**
- SERVO DRIVEN SYSTEM**



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No2 Flushing & Filling

Manual Loading to Stoppering Station & Stoppering Process

Filled & Stoppered Syringes







## **“KRISTAIN SERIES”**

# **FULLY AUTOMATED PLUNGER ROD INSERTION, FINGER GRIP PLACEMENT & LABELING SYSTEM FOR PRE-FILLED SYRINGES**



<b>SERIES</b>	<b>MODEL NO.</b>	<b>REFFERAL OUTPUT</b>
KRISTAIN - XI	HTE-PFL-A-80	60 TO 80 PFS / MIN.

**BUBBLE FREE FILLING TECHNOLOGY**

-  **SUITABLE FOR ONLINE PLUNGER ROD INSERTION, FINGER GRIP PLACEMENT & LABELING ON PRE-FILLED SYRINGES.**
-  **SYSTEM WITH UNIQUE DE-NESTER**
-  **SUITABLE FOR 1ML TO 10ML SYRINGE (CHANGE PART SUPPORTED)**
-  **SYSTEM WITH PRINT SCAN & REJECT FACILITY**
-  **21 CFR PART 11 COMPLIANCE**
-  **SERVO DRIVEN SYSTEM**



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Plunger Rod Insertion

Finger Grip Placement

Labeling

## **“KRISTAIN SERIES”**

**FULLY AUTOMATED INDIVIDUAL PRE-FILL SYRINGE FILLING & STOPPERING SYSTEM  
SUITABLE FOR NESTED SYRINGES & BAG STOPPERS**



**BUBBLE FREE FILLING  
TECHNOLOGY**

<b>SERIES</b>	<b>MODEL NO.</b>	<b>REFFERAL OUTPUT</b>
KRISTAIN - XII	HTE-IPFS-A-02	20 TO 30 PFS / MIN.

- SYSTEM WITH UNIQUE DE-NESTER SYSTEM.
- INDIVIDUAL PFS FILLING & STOPPERING FOR VALIDATION OF INDIVIDUAL SYRINGE COMPACT FOOTPRINT.
- 21CFR PART 11 COMPLIANCE.
- SUITABLE FOR AQUEOUS, VISCOUS & VISCO-ELASTICS DRUGS.
- FILLING ACCURACY @  $\pm 0.02\text{ML}$  IN  $0.2\text{ML}$  FILL.
- FILL VOLUME SPECTRUM :  $0.2\text{ ML TO }10\text{ ML}$  (CHANGE PART SUPPORTED).
- SERVO DRIVEN SYSTEM.



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Denesting Process

Filling & Stoppering Process







## **“KRISTAIN SERIES”**

**FULLY AUTOMATED CARTRIDGE FILLING, SEALING & STOPPERING SYSTEM  
SUITABLE FOR BOTH END OPEN CARTRIDGES & BAG STOPPERS**



<b>SERIES</b>	<b>MODEL NO.</b>	<b>REFFERAL OUTPUT</b>
KRISTAIN - XIII	HTE-CFS-A-04	60 TO 80 PFS / MIN.

**BUBBLE FREE FILLING  
TECHNOLOGY**

- |  **INDIVIDUAL CARTRIDGE CRIMPPING (SEALING), FILLING & STOPPERING PROCESS.**
- |  **SERVO DRIVEN SYSTEM.**
- |  **21CFR PART 11 COMPLIANCE.**
- |  **SUITABLE FOR AQUEOUS DRUGS.**
- |  **FILLING ACCURACY @  $\pm 0.02$ ML IN 0.2ML FILL.**
- |  **FILL VOLUME SPECTRUM : 0.2 ML TO 10 ML (CHANGE PART SUPPORTED).**



Cap sealing, Filling & Stoppering Process





Filling Assembly with Bowl





**“KRISTAIN SERIES”  
SEMI AUTOMATED UNIJECT FILLING & CLOSING SYSTEM  
SUITABLE FOR BD UNIJECT MEDICAL DEVICE**



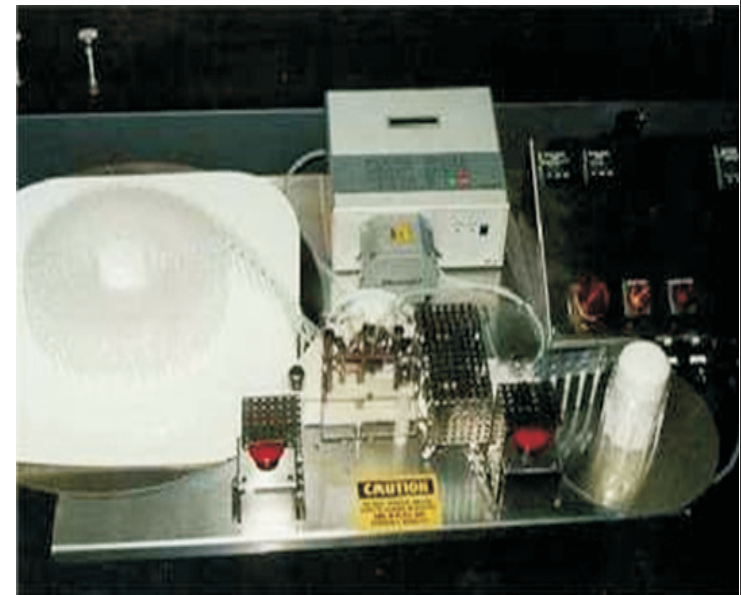
**UNIJECT :**

- |  **PREFILL INJECTION DEVICE FOR INTRAMUSCULAR AND SUBCUTANEOUS INJECTIONS.**
- |  **UNIJECT IS AN INJECTION DEVICE, NOT A SYRINGE, FUNCTION IN A UNIQUE WAY.**
- |  **SCF-STERILE CLEAN READY TOFILL FORMAT.**
- |  **NON PYROGENIC & NON-REUSABLE.**

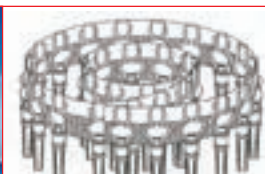
**KRISTAIN-XIV :**

- |  **SPECIFICALLY DESIGNED SYSTEM TO FILL & SEAL BD UNIJECT PRE FILLABLE INJECTABLE POUCH DEVICE.**
- |  **IDEAL FOR SHORT RUNS, STABILITY TEST OR CLINICAL TRIAL BATCHES, THIS FILLING MACHINE CAN BE USED ON A BENCH TOP OR IN A CLEAN AIR HOOD.**

SERIES	MODEL NO.	REFFERAL OUTPUT
KRISTAIN - XIV	HTE-UNIJECT-R&D-01	15 TO 20 DEVICES / MIN.



UNIJECT MEDICAL DEVICE



UNIJECT REELS





NEEDLE SHIELD  
NEEDLE

HUB (INSIDE PORT)  
DISK VALVE  
RESERVOIR




UNIJECT PARTS DESCRIPTION

## LABELING SYSTEMS





- |  **Universal Combo Labeler for Vial/Ampoule/Cartridge**
- |  **Output up to 120 objects per minute with on line printer**





- |  **Linear Vial/Bottle Labeler (Cylindrical shape object)**
- |  **Output up to 300 objects per minute**
- |  **Online printer/scanner & rejection facility**



- |  **Front & Back labeler for two side labeling**
- |  **Output up to 200 objects per minute**



- |  **Standard labeler for all cylindrical shape containers**
- |  **Output up to 200 objects per minute**

# REFFERAL PATRONS



Trusted Pharmaceutical Packaging Systems for :



**Proud Indian Manufacturer & Exporter for Advanced Pharmaceutical Packaging Machinery.**



**An ISO Certified Organization.**



**Global Presence in over 20++ Countries.**



**First Organization in its class to have highest Number of installations for Pre fill Syringe Packaging System in South India.**



**Proud supporter of "Make in India" Initiative of Govt. on India.**



**-:Corporate Office & Manufacturing Unit:-**

C2/A8; Phase-I, G.I.D.C, Opp. S.B.I Bank Road Vatva Ahmedabad - 382445 Gujarat India.  
Email : [info@harikrushnatechnopride.com](mailto:info@harikrushnatechnopride.com) Website : [www.harikrushnatechnopride.com](http://www.harikrushnatechnopride.com)  
Tel. : +91 - 079 - 40033010 Fax : +91 - 79 - 25890507