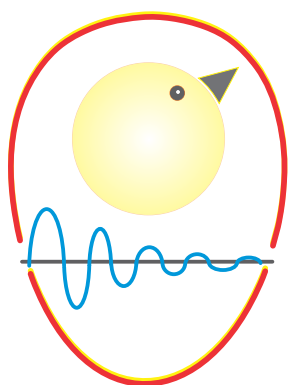




Smart PEP
Performance Enhancing Program

Why call it the Smart PEP?

We add "smart" to the PEP because with a reasonably **less investment**, **huge benefits** are gained and you see directly measurable profits. Highly improved **biosecurity** along with substantial **labor saving** up to 20 operators at the **hatchery** is achieved. This undoubtedly increases the chick yield per pull out approximately by 1% and **reduces** the **dead in shell** to negligible. The **payback period** of PEP equipment line the hatchery level in India is **less than one year** for an unit having pullout thrice a week and setting of 50,000 eggs per hatch. These **results** have been taken from our **renowned customers** like Lotus hatcheries, Bangalore. We have many **successful installations** of these machines **worldwide**.



Accu-Set
GET SET HATCH

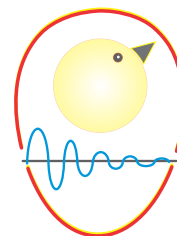
Incubators

with lowest cost of incubation

Single Stage
Paddle fan type

Multi Stage
tunnel type





Packaged zone for precise control

- ▶ Each of the micro climate zone is separately managed by our Ziom controller.
- ▶ Its instinctively adjusts to the requirements of each flock.
- ▶ Highly uniform airflow pattern by the wide blade fans ensure the desired moisture loss over the complete section.
- ▶ The modular system makes sure that temperature, Rh% and airflow velocity pattern are governed accurately in each zone.
- ▶ 3 trolleys on each side of every zone make it possible to have 30000 eggs per zone and the capacity can be upto 120000 eggs for 4 zones.

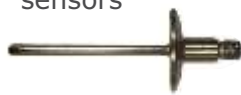


Touch GUI for Operational Ease

- ▶ Intuitive touch GUI, Graphic User Interface for ease of operation. Image type icons assist the user.
- ▶ Highly accurate and robust instrumentation that can endure the harsh conditions.
- ▶ Superb bio-security ensured by hygienic design.



Hygienic sensors



Precise control system

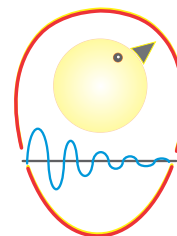
Turning System

- ▶ Roof top turning mechanism make it easy to maintain the actuator.
- ▶ Electrical actuator for long life and low maintenance.



Precise Humidity Regulation

Single and Multi Stage Features



Accu-Set
GET SET HATCH

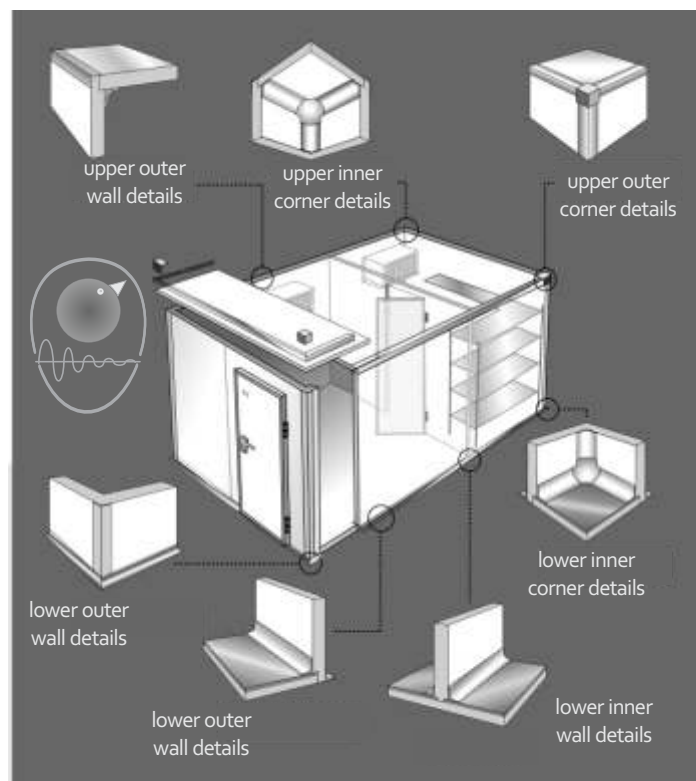
Highly Efficient and cost effective

- ▶ Special Curve Control AI-PID Technology for rapid response and adaptive governing of incubation parameters to achieve minimum energy consumption with smooth control curve.
- ▶ Frequency inverter for accurate air flow and dampers for precise CO₂ controls.

Articulated and Hygienic Designs

- ▶ Smooth corner profiles makes it easy to clean.
- ▶ Sandwich FRP-PUR panels of 50mm thickness.
- ▶ Strong doors with cam hinges and special gaskets ensure air tight incubation environment.

Designed for 20 years of life



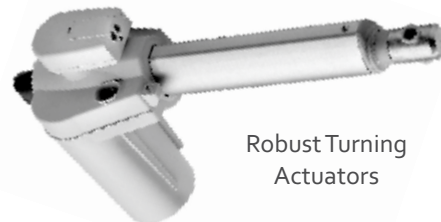
Every Component selected to Add to the Performance

Ezi-clean Setter Trolleys

5400 eggs
per trolley



Reliable
Modulating
Damper
Actuators



Robust Turning
Actuators



superb
insulation



Door Safety Switch in
Stainless Steel ANSI 316



Cam Hinges



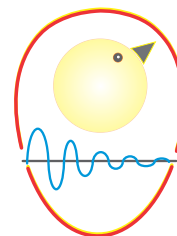
Special high efficiency cooling coils

Ergonomic Handles



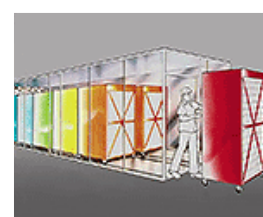
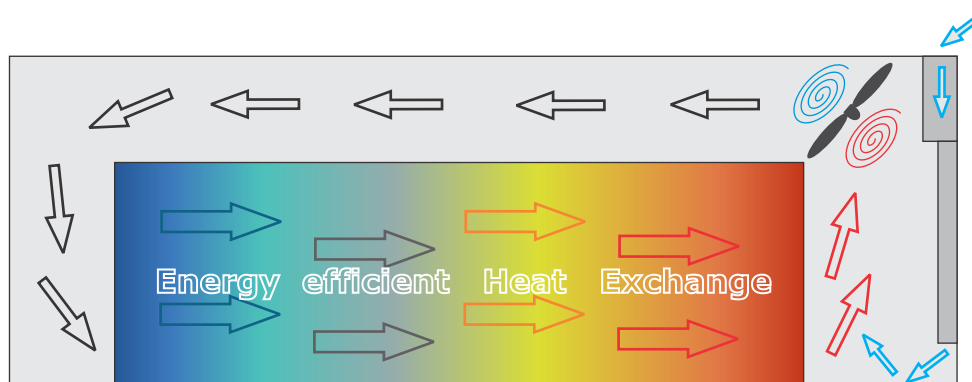
In other words Simple, Hygienic and Easy





Classic tunnel Ventilation Setters

- ▶ Excellent hatchability and unparallel flock performance.
- ▶ Very high efficiency fans with aero-foil blades.
- ▶ Heat flow from trolley to trolley towards lower temperatures.
- ▶ Easy to maintain and very low total cost of ownership.
- ▶ High efficiency cooling coils for rapid response to temperature shoot.



First In last out
trolley system

- Fully insulated white food safe metal interlocking sandwich panel construction, consisting of a PUR (fire rated) insulation core ensures a good air tight seal for excellent thermal insulation and cabinet strength.
- High quality cabinet design includes air tight sealing doors and air tight inlet damper, for the optimization of the incubation process, through the facilitation of a fast warm up time and early concentration of CO₂.
- Heavy duty hard anodized aluminum floor channels and cabinet trim for maximum strength and corrosion resistance.
- Cabinet assembly includes fascia panel, for the mounting of the system control distribution panel / cooling and humidity solenoid assembly / solid state heating control / fan control, all of which are accessible from the front of the machine for ease of access and maintenance.
- Setter entrance door fitted with a safety switch that disables the turning system from operation while personnel are within the machine. Roof mounted air inlet damper and two air exhaust ports with emergency open feature.
- Internal air circulation system consisting of individual fan assemblies and each of the fan panel assembly consists of a plastic-coated mounting panel, fitted with a 500mm, single phase full bell mouth plate axial fan and 1200-watt heating element. The fan assembly and rotating drive system is guarded sufficiently from above and below for safety.
- Each zone consists of 6 trolleys, environmentally controlled by variable speed fan and heater assemblies and 2 sets of cooling coils.
- Highly effective Cooling system in each zone controlled by 2 solenoids (4 in total for the machine), with a 3 stage cooling water flow output – 2, 4 and 6 Litres per minute – for maximum efficiency and minimum energy consumption and temperature control.
- 24VDC solenoid valve for operator safety and very easy to maintain one touch connector type fittings. Special Teflon seating for very high corrosion resistance and superb reliability, durability and long life.
- Supplied with 24 X fully built welded hot dipped GI trolleys, 24 Volt IP66 electrical turning actuator, 15 - deck. The Trolley is fitted out with strong hangar hollow square shaft, stainless steel ANSI 304 tray frames, stainless steel turning bars and lever mechanisms supported within maintenance-free super polymer bearing housing.
- Mitsubishi based PLC control system consisting of an intuitive color touch screen interface. This easy to use system can be setup for fully automated or manual operation. The touch screen is mounted into a heavy duty IP66 enclosure with an acrylic surround.

SRG

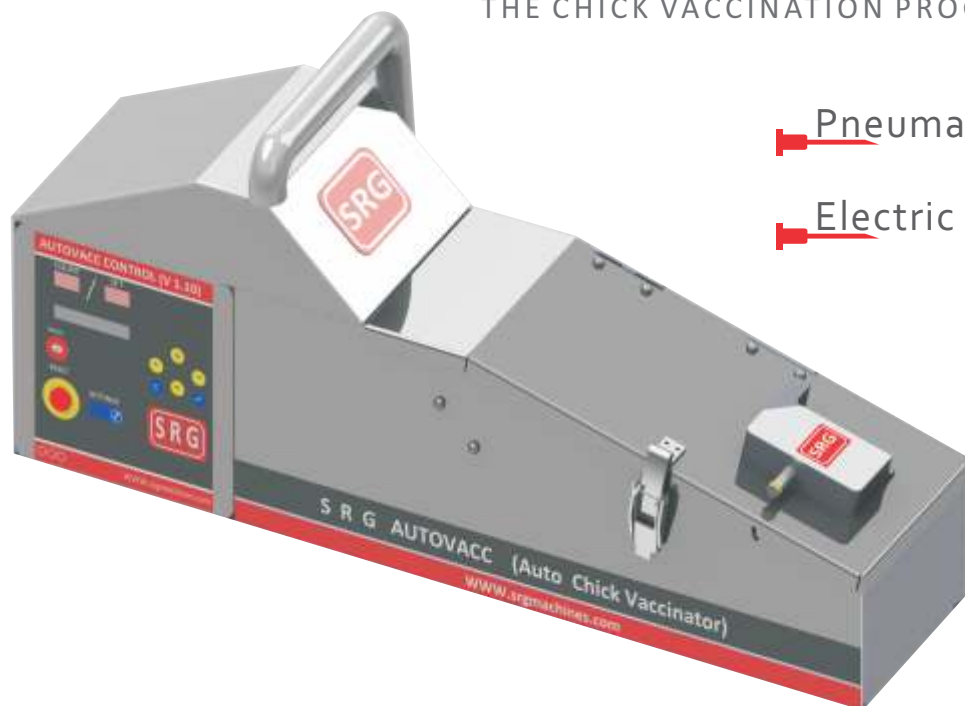
THE CHICK VACCINATION PROGRAM

Pneumatic

Electric

Autovacc

Where Precision meets speed



ADVANTAGES OF AUTOVACC

- ▶ Saves time and labour
- ▶ Speeds up to 3500 chicks per hour.
- ▶ Labor cost of 1 paisa per chick
- ▶ Saves cost (4 paise per chick)
- ▶ Accurate dosage and better performance of the vaccination process.
- ▶ Accurate chick per compartment counting for better control of management.
- ▶ Smaller punctures and lesser stress in the chicks.
- ▶ Cleaning in Place(CIP)option is available due to the use of Stainless Steel and coated Al alloy body.
- ▶ Cost saving on expensive vaccines / medicines.
- ▶ Any unskilled labour can handle the Autovacc so no need of expensive trained vaccinators.
- ▶ Sub – Cutaneous and intramuscular vaccination possible for chicks of age 1 to 11 days*.

PATHOLOGIES

Marek
Newcastle Disease
Fowl Pox
Avian Influenza
Gumboro



i/ii MODE AUTOVACC TWINSHOT MODE:

Only one prick for two medicines.
Sequence: First needle prick - First medicine injected – Second medicine is injected - Needle comes out

NECKLINE CONTOUR:

Impeccably designed sensor block for precision.
Flat feather touch button give full support.
Perfect placement and self alignment at high speeds.

BIOSECURE ENVIRONMENT:

Robust Stainless Steel ensures long life.
Special materials for exceptional bio-security.
Easy to clean and sanitize.

ULTIMATE SAFETY & ERGONOMIC :

Proprietary design for ease of vaccination.
Feather touch button sensor for high speed.
Safety against pricking or injury to the operator.
Trolley as optional for easy pick and place of chicks.
Lamp for better visibility makes grading efficient.



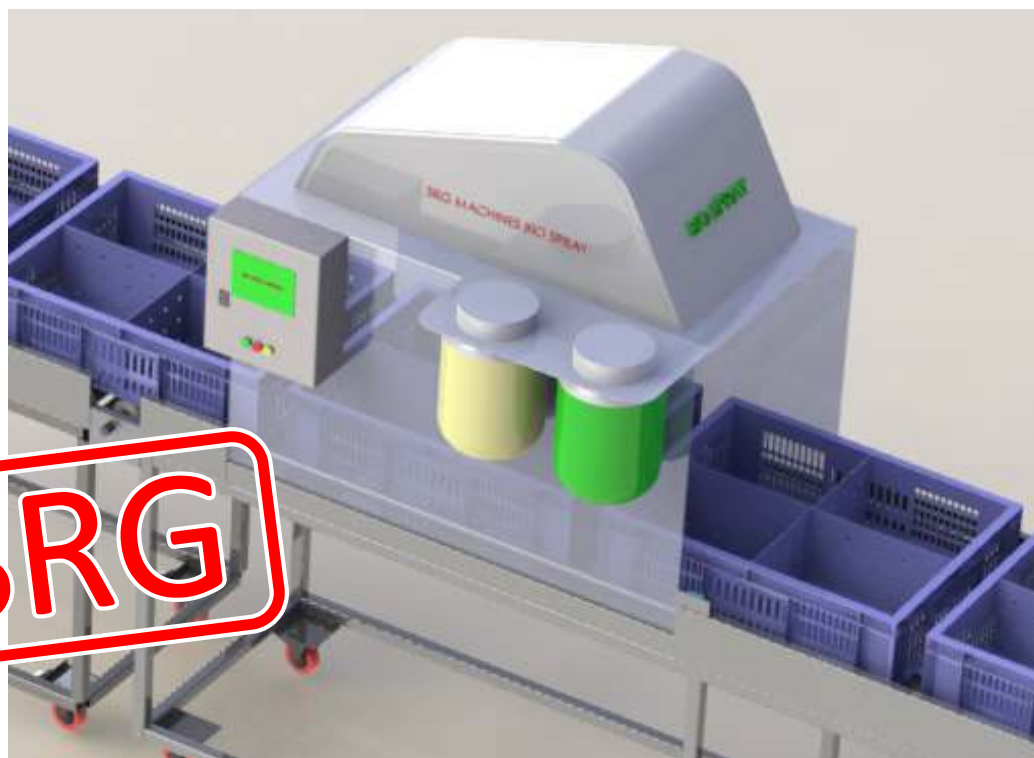
COUNTING & VACCINATION CONTROL

- ▶ Very high accuracy (1 millisecond)
- ▶ New U.L.P.I.C. Technology (Ultra Low Power Consumption intelligent control)
- ▶ Count per compartment.
- ▶ Buzzer on completing box quantity.
- ▶ Large and attractive LED display and LCD screen.
- ▶ Single Shot / Twin Shot mode selection and indication.
- ▶ Error Alarm Indications and password protection.

Models: **Autovacc Pro** (I/II) **Autovacc Electra** (I)
Speed: 3600 Chicks/Hour (I shot)
2800 Chicks / Hour (II shot)
Air: Single shot 1.1LPM, Twin shot 1.3LPM. **Pro** N/A **Electra**
Dosage: 0.1ml, 0.2ml, 0.25ml, 0.3ml and 0.4ml.
Dimensions (LxBxH mm): 630 x 150 x 200
Weight: 12.4 kg **Pro** 14.5 kg
Working pressure: 4 Bar **Pro** N/A **Electra**
Power: 230 VAC, 50 Hz/ 110V, 60Hz (Specify Please)

SRG
Machines

SRG



The all new and absolutely one its kind machine. The Biospray is arguably the best machine to administer live vaccines by uniform droplet size spraying method. Correct droplet size and uniform spray covers the tray with practically negligible wastage of medicine and makes the your spray vaccination process an extremely effective one reducing the risks on the farm.

UNIQUE FEATURES: //

- ▶ Twin shot model for probiotic spray + vaccine spray one after the other.
- ▶ High uniformity of the spray with a 4 + 4 nozzle configuration.
- ▶ Droplet size precisely selectable from 150 microns to 300 microns.
- ▶ Accurate dosage guarantee and easily settable dosage from 5ml to 50ml.
- ▶ Disposable syringes ensuring a biosecure environment.
- ▶ I.S.T. – Individual Syringe Technology ensures exact dosage per nozzle (Proprietary SRG design)
- ▶ Separate cleaning cycle for maintaining a biosecure environment (C.I.P. Cycle).
- ▶ 3 D.O.F. adjustable nozzles ensures that Virtually any position can be adjusted as the nozzle has 3 degrees of freedom.
- ▶ An anti - drip device for each nozzle ensures no leakage of expensive live vaccine or probiotic fluid. This is also important for biosecurity.
- ▶ Speeds up to 40,000 chicks per hour.
- ▶ Wear - strips for improved hygiene.
- ▶ Easy maintenance and quick replacement of syringes so no downtime.



This machine is sure to set new standards for spray vaccination. //

Use on: Day old chicks

Vaccination Method: Spray

Weight: 60kg

Max crate size: 600mm x 750mm

Air consumption (max): 0.5LPM at 4 bar

Power: 230 VAC / 110 VAC, 50Hz (To be specified at the time of ordering).

Dosage: Settable from 5 to 35ml

(to be specified at the time of ordering).

Tank capacity: 5 litre glass tank

Speeds: 200 to 400 trays / hour
depending on the dosage

PATHOLOGIES

- Infectious Bronchitis
- Newcastle Disease
- Coccidiosis
- Avian Megapneumovirus
- E.Coli

SRG
Machines

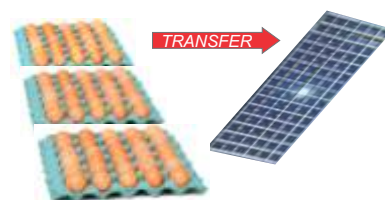
SRG



• high labor saving • cut down zero breakage • more eggs per hatch

30 Egg Farm tray to SETTER Tray Transfer machine

- ▶ MAXIMUM REDUCTION AND OPTIMUM USE OF MANPOWER. 25,000 EGG SETTING TRANSFERS PER HOUR BY 2 PEOPLE (UNSKILLED).
- ▶ SOFT SELF ALIGNING PICKER CUPS ENSURE ZERO DAMAGE OF EGGS DURING EGG TRANSFERS.
- ▶ VACUUM EGG LIFTING SYSTEM.
- ▶ REDUCTION IN LABOUR FATIGUE.
- ▶ ACCOMODATES ANY SETTER TRAY



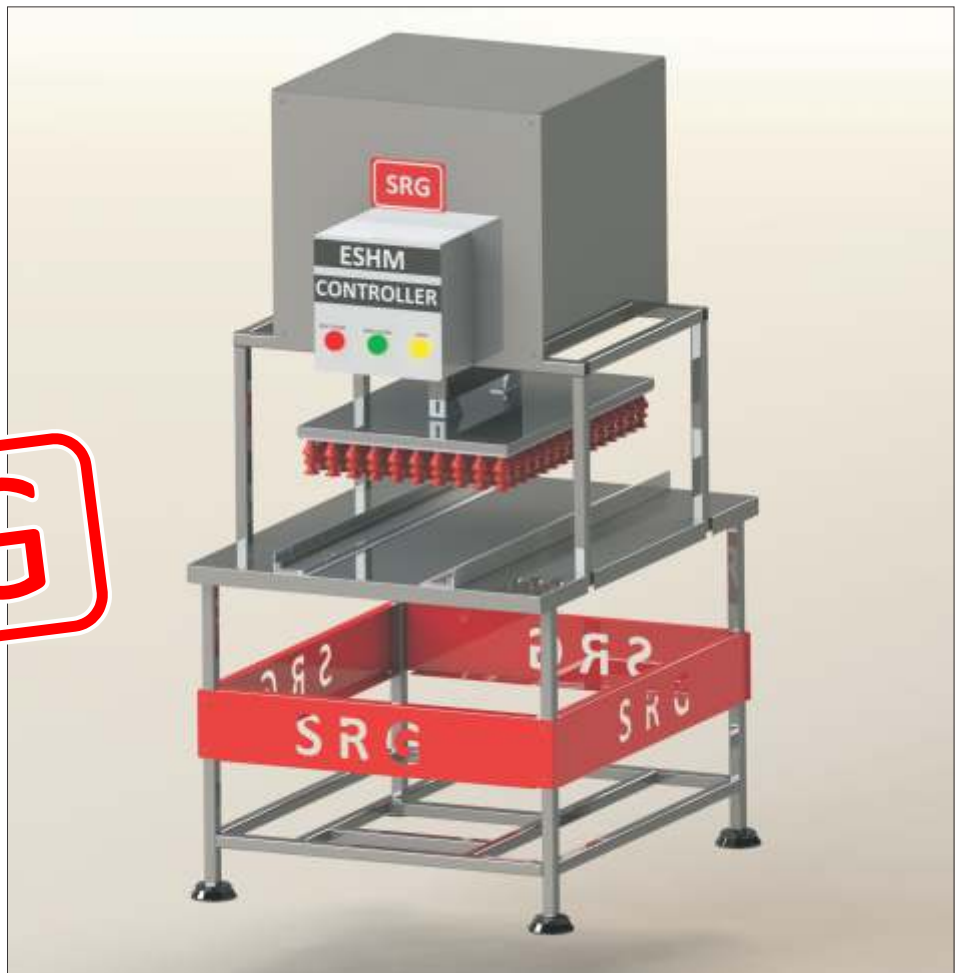
- ▶ Very less, only once handling. (Only pick and place)
- ▶ High biosecurity standards achieved.
- ▶ Huge labour saving of up to 16 labourers.
- ▶ Increase in chick yield by 0.3%.
- ▶ You get upto 0.7% more eggs per setting as there is zero breakage during transfers.
- ▶ Gentle transfer by a special mechanism which decelerates at placement ensures that there is no hairline crack and so no gas eggs.



Please Specify your tray make / sizes at the time of order.
Multiple trays can be done by single machine by only changing the picker.
Setter Trays :- Karamsar, Dayal, Indian go egg trays etc.
European :- Jamesway, Pasreform, petersine, Chickmaster etc.
Farm Trays :- Standard 30 egg hatchary Tray, if others please specify
Any tray/Basket on demand. OEM Service is offered for MOQ of 3 machines.

SRG
Machines

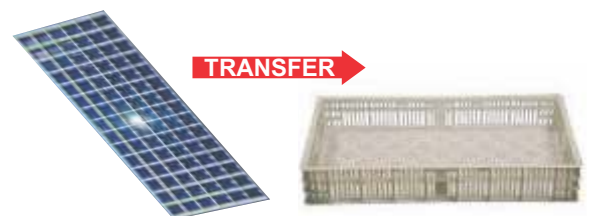
SRG



• reduce man power • cut down dead in embryo • increase chick yield

SETTER to HATCHER Egg Transfer

- ▶ MAXIMUM REDUCTION AND OPTIMUM USE OF MANPOWER.
- ▶ 36,000 EGG SETTING TRANSFERS PER HOUR BY 2 PEOPLE (UNSKILLED).
- ▶ SOFT SELF ALIGNING PICKER CUPS ENSURE ZERO DAMAGE OF EGGS DURING EGG TRANSFERS.
- ▶ VACUUM EGG LIFTING SYSTEM.
- ▶ REDUCTION IN LABOUR FATIGUE.
- ▶ ACCOMMODATES ANY SETTER TRAY.



- ▶ High biosecurity also gives you an improved performance in the first week.
- ▶ Dead in shell reduces by 0.3% from 0.4% to 0.1% as the egg is not upside down.
- ▶ Very fast transfer of eggs on the 18th day at a speed of 40,000 eggs per hour, increasing the hatchability as temperature fall inside the egg is prevented.
- ▶ Maintenance free machine with no downtime.



Please Specify your tray make / sizes at the time of order.
Multiple trays can be done by single machine by only changing the picker.
Setter Trays :- Karamsar, Dayal, Indian go egg trays etc.
European :- Jamesway, Pasreform, petersine, Chickmaster etc.
Farm Trays :- Standard 30 egg hatchery Tray, if others please specify
Any tray/Basket on demand. OEM Service is offered for MOQ of 3 machines.

SRG
Machines

- ▶ Hatchery
- ▶ Layer
- ▶ Processing

TruWash 360

TRAY WASHER-DRYER

SRG



The SRG TruWash 360 (sanitizing & washing, automated need) series of Poultry and Hatchery Tray washer, built by us, provides a compact, economical, environment friendly and effective cleaning solution. These are user-friendly machines for removal of contamination during hatching including dead embryos, and other remains after hatching. The tray washer is capable of providing high pressure washing of trays as it can pump the water with a specific timing. The tray washer has its own predefined timer which can pressure wash the trays and sanitizes them optionally. Please refer the process diagram below

Features

- Robust and clean design
- Complete Solution washing and drying
- Uses High pressure wash technology
- Washing and drying any type of tray.
- Ease of use by any person
- Saves time and labor
- Optimum water consumption
- Efficient System
- Up to 360 trays / hour

Specifications:

Capacity: 360 Trays/hr.
 Type : High pressure tunnel type washing machine
 Dimensions : 2000 mm X 2000 mm X 2140 mm
 Tray Types : Hatcher, Setter or Chick box (adjustable)
 Power Supply : 3~, 50 Hz (standard for India)
 Electrical Load : 45 kW Heaters , 5kw for motors
 Water requirement : 200 litre /hour
 Air Rrequiremt : 150 litre / min
 Weight : 2000 kg.
 Operator : 2 (1 for loading and 1 for unloading)

Washing Sequence:

- **Pre-Rinse:** A subsidiary branch taken from first rinse section
- **First Rinse** at Nozzle pressure 3.0 bar with pump of 5.0 HP
- **Hot Detergent** – Rinse at Nozzle pressure 4.0 Kg/bar with pump of 5hp
Temperature 60-70 degree centigrade
- **Hot Water After Rinse** at Nozzle pressure 3.5 bar with pump of 3hp
Temperature 55 – 60 deg Centigrade



Machines

EGG GRADING MACHINE

E.G.M.



The machine is designed for the purpose of grading eggs with respect to weight into 2,3 or 4 categories as per the customer's requirement. Many models are available and are customizable so suite the your grading needs. The system is Automatic with respect to ergonomics and has inbuilt electronic counting and weighing of eggs.

Capacity: From 3000 to 30,000 eggs per hour

EGG PRINTING MACHINE

ACCUPRINT



The Accujet EJ H6 inkjet contactless egg printer are specially designed for printing on eggs with perfection and speed. Logos, Grade size, Text, Date can be easily printed using food grade ink directly on eggs for branding and marketing options.



Accujet R1



Machines

Complete Hatchery Automation Solutions

SRG



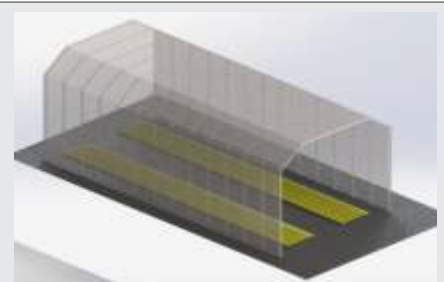
- Auto Chick Shell Separator
- Chick Grading Conveyors
- Chick Vaccination Carousels
- Chick Counting Machines
- Spray Vaccination Machines
- Egg Fumigation Room
- Egg Grading Machines
- Egg Setting Machines
- Egg Transfer Machines
- Waste Shell Crusher



HATCHERY WATCH DOG
& ALARM, Cloud enabled



Human Tunnel Disinfection



Vehicle Sanitizing Chamber

SRG

Machines

"Best Quality is the Birth right of every chick"

World class Technology
High Energy Efficiency
User friendly Approach
Excellent Quality
Competitive Pricing
Over 30 years experience
Timely Delivey
Prompt Service



Best Hatchability
Best Bio-security
Best Reliability
Best Safety
Best Uniformity
Best Performance
Best ROI and TCO

- ▶ **Incubation**
- ▶ **Vaccination Machines**
- ▶ **Hatchery Automation**



German
Award
Winning
Designs

Made in India
for the world.

Single-Stage Incubators
Multi-Stage Incubators
Harchery Egg Graders
Hatchery Egg Packers
Egg Setting Machines
Egg Transfer Machines
Tray Washing Machines
Shell Crushing Machines

Chick-Shell Separators
Sexing Carousals
Chick Vaccination
Chick Conveyors
Chick Counting Machines
Chick Grading Machines
Egg Fumigation Room
Bio-security Equipments

Your Partner for Life

Innovations.....
for the now future!



Machines





We know the value of your produce.
And we value it by serving you
with our expertise and experience.



Worldwide
Exports



For more information about our systems, please log on to
www.srgmachines.com or www.poultryvaccination.com
write to us on sales@srgglobal.org.

SRG Machines

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