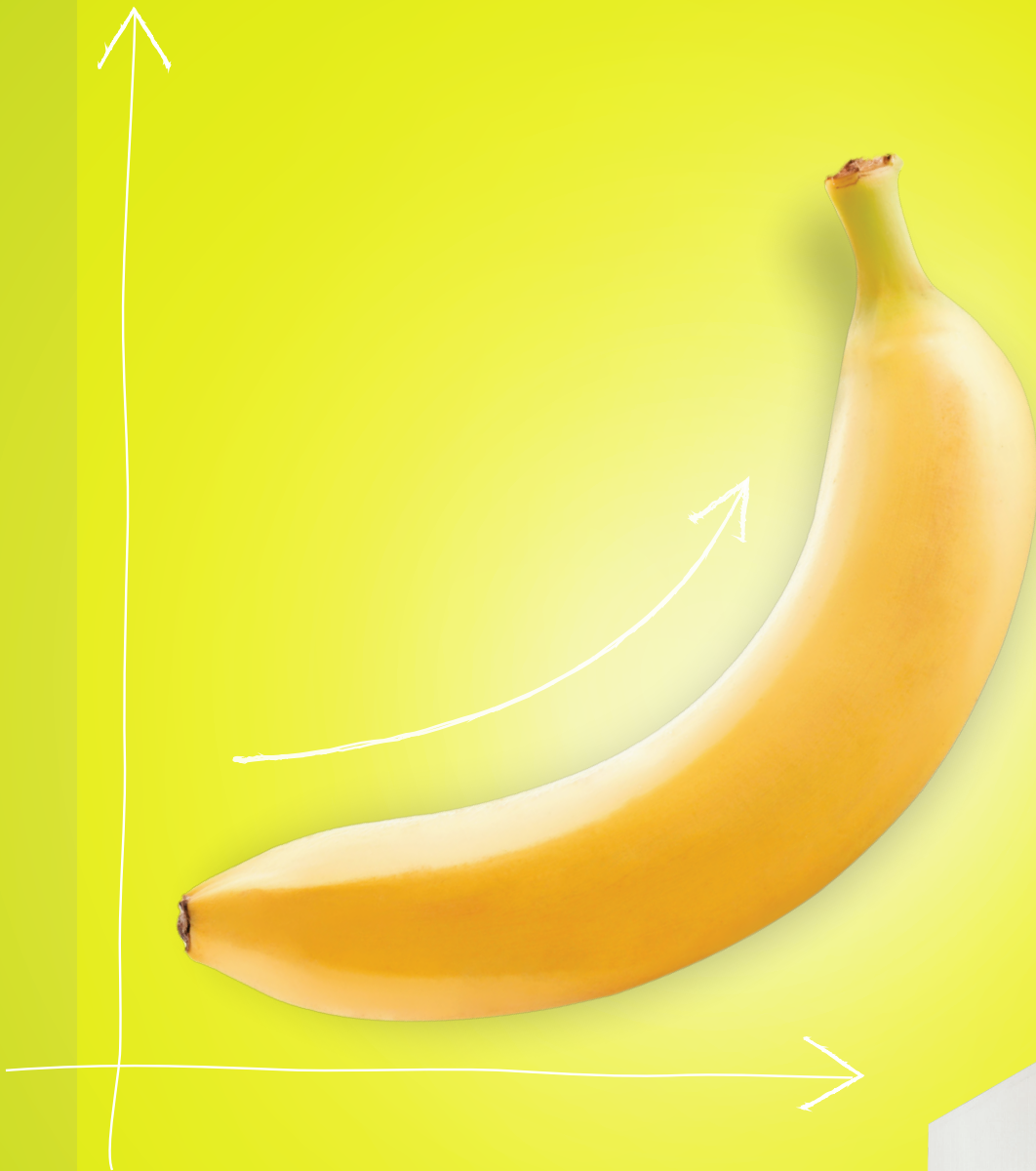




BLUE STAR



BANANA RIPENING COLD ROOMS
THE PERFECT CHOICE FOR PROFITABILITY.

Blue Star is India's leading air conditioning and refrigeration solutions company. With over 7 decades of experience in the field, Blue Star is the one expert you can trust when it comes to cooling solutions. This is especially true when it comes to cold-chain solutions including ripening chambers.



DOMAIN EXPERTISE

Blue Star is a leading provider of banana ripening solutions in India today. Thousands of banana traders and farmers are Blue Star customers and over 14,000 MT of bananas get ripened in our Banana Ripening Cold Rooms everyday. This domain knowledge in the field ensures that each Blue Star Ripening Cold Room is designed bottom up, to maintain the precise conditions required by each specific application. Factors such as humidity, temperature, ventilation and specific gas emission levels within each ripening chamber are tuned to optimum levels, in each chamber design, based on requirements at each facility.

Blue Star ripening chambers are reliable, robust and built to last. They are also backed by proven service capability through a nationwide network, even in remote inaccessible areas.

TYPICAL CONDITIONS FOR RIPENING BANANAS

Fruit temperature	14° to 18°C
Relative humidity	90 - 95%
Ethylene concentration	100 - 150 ppm
Duration of exposure to ethylene	24 - 48 hrs.
Carbon dioxide	<1%



BLUE STAR BANANA RIPENING COLD ROOMS

Blue Star's banana ripening chambers allow you to:

- Design your installation to suit your capacity requirement
- Reduce wastage and increase profits
- Plan the timing of your produce output and avoid seasonal variations
- Ensure hygienic and food-grade handling of your produce
- Deliver uniform colour and taste due to controlled ripening
- Enjoy higher realisation on your produce
- Reduce operating cost and optimise initial investment





CUTTING-EDGE COMPONENTS

Blue Star's state-of-the-art banana ripening chambers use:

- Reliable, energy-efficient refrigeration units.
- High-efficiency PUF insulated panels which are lead-proof
- Doors that keep outside atmosphere out and controlled conditions in
- Timer-based electrically operated ventilation systems and exhaust fans
- High CFM evaporators to ensure uniform airflow inside the chamber
- Gas-emission systems for flexible, large-scale ripening processes.
- Ethylene generators for sequential ripening solutions
- Humidifiers to maintain high humidity throughout the ripening cycle
- CO₂ and ethylene analysers to monitor carbon dioxide levels*

*Optional



GAS-EMISSION SYSTEMS

The gas-emission systems are designed to be safe, fast and precise in their ripening processes. Moreover, they come with features that make them the first choice for professional ripening facilities.

FEATURES:

- Safe: 5% Ethylene - 95% Nitrogen mix generated.
- Flexible system: Single system can feed multiple ripening chambers
- Intelligent control: Allows independent levels of generation in each chamber
- Independent settings: Allows ripening of different fruits at the same time in each chamber
- Intelligent microprocessor controller: Ensures precise ethylene generation
- Programmable: Desired conditions programmable as pre-sets through touch screen
- Controller also programmable to generate Ethylene at fixed intervals





MULTI-COMPRESSOR CONTROL

Multi-compressor systems can be handled by the same controller, with the ability to set individual parameter controls like temperature, pressure, etc.



EFFICIENT OPERATION

Blue Star's highly efficient banana ripening chambers provide prompt notification for any operational issues including equipment failures or set point changes.



HACCP PROVISION (OPTIONAL)

Blue Star Banana Ripening Cold Rooms also come with an HACCP provision. This feature helps identify and prevent hazards from contaminating food.



BMS COMPATIBILITY (OPTIONAL)

The BMS compatibility feature of Blue Star Banana Ripening Cold Rooms is extremely beneficial. Since the RS485 makes external computer connectivity and remote monitoring possible.



Scan QR Code - Blue Star Customer Care Mobile App



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To know more about Blue Star, visit www.bluestarindia.com, email us at coolingsolutions@bluestarindia.com or SMS 'COOL' to 57575



24X7 CUSTOMER CARE (Toll Free) 1800 209 1177 1860 266 6666

For more information, please contact **BLUE STAR LIMITED** • **Ahmedabad**: 301 & 302, (3rd floor), Abhishree Avenue, (Near) Nehru Circle, SM Road, Ambawadi, Ahmedabad - 380015. Tel: (079) 40224000 • **Bengaluru**: Anjuman Kay A R R Tower, No 28, Ward No 77, Mission Road, Bengaluru - 560027. Tel: +91 (80) 4185 4000 • **Bhubaneswar**: 3A Satya Nagar, 2nd floor, Bhubaneswar - 751007. Tel: (0674) 2572403/2573670 • **Chandigarh**: 4th floor, Adarsh Mall, Plot No.50, Industrial & Business Park, Phase II, Chandigarh - 160002. Tel: (0172) 5024000 • **Chennai**: KRM Plaza, No. 2, Harrington Road, Chetpet, Chennai - 600031. Tel: (044) 42444000 • **Ghaziabad**: C 53A, Third floor, Rajnagar District Centre (RDC), Raj Nagar, Ghaziabad - 201001, Uttar Pradesh. Tel: (0120) 2821400 • **Goa**: 210, 2nd floor, Gera's Imperium 1, Patto, Panjim, Goa - 403001. Tel: (0832) 2438171/2437287 • **Guwahati**: Oasis Plaza, 1st Floor, Dr. B. Baroah Road, Ulubari Kamrup, Guwahati - 781007. Tel: (0361) 2468496 • **Gurugram**: 6th floor, Vatika Atrium, Golf Course Road, Sector 53, Gurugram - 122002. (Haryana). Tel: (0124) 4094000 • **Indore**: Office No. 502, Maloo-01 26/C, Scheme No. 94/C Ring Road, Indore - 452010. Tel: (91) (731) 4001211/4001311 • **Jaipur**: A-19, 1st floor, Main Sahakar Path, Near Sahakar Bhavan, Jaipur - 302001. Tel: (0141) 2744033-35 • **Jamshedpur**: 2nd Floor, Sai Apartment, Opposite Thakur Pyara Singh Ground, Kasidhi, Sakchi, Jamshedpur - 831 001 Tel: (91) (657) 222 1530 • **Kochi**: 2nd floor Millennium Plaza, MKK Nair Road, Alinchuvadu Junction, Kochi - 682024. Tel: (0484) 4499000 • **Kolkata**: 7, Hare Street, Kolkata - 700001. Tel: (033) 22134100 • **Ludhiana**: SCO 16-17, Feroze Gandhi Market, Fortune Chambers, 3rd floor, Ludhiana - 141001. (Punjab) Tel: (0161) 5001404 • **Lucknow**: 177/4, Faizabad Road, Lucknow - 226007 Tel: (0522) 403400 • **Mumbai**: Blue Star House, 9-A Ghatkopar Link Road, Saki Naka, Mumbai - 400072. Tel: (022) 66684100 • **Nagpur**: 219, Bajaj Nagar, 1st floor, South Ambazari Road, Nagpur - 440010. Tel: (0712) 2249000/6624000 • **New Delhi**: Blue Star Ltd., Plot No. 8, 1st Floor, Elegance Tower, Jasola, New Delhi - 110025 • **Patna**: Ambition Business Centre, Laxmikant Niketan Parisar, 4th floor, 'B' Block, Room No. 405, Jamal Road, Patna - 800001 • **Pune**: 201/A, Nityanand Complex, 1st floor, 247/A, Bund Garden Road, Pune - 411001. Tel: (020) 41044000/26169332 • **Raipur**: Alaska Corporates, 3rd floor, Opp. VIP Road, Jivan Vihar Colony, G E Road, Raipur, Chhattisgarh - 492006. Tel: (0771) 6544000 • **Hyderabad**: Ashoka Raghupati Chambers, No. 1-10-60 to 64, 4th Floor, S P Road, Begumpet, Hyderabad, Telangana - 500 016. Tel: (040) 4400 4000 • **Thane** : 2nd Pokhran Road, Majiwada, Thane - 400601 Tel: (022) 6715 4500 • **Thiruvananthapuram**: TC IV/962, 'Chandrika', Sree Chitra Nagar, PipeLine Road, Kawdiar, Thiruvananthapuram - 695003. Tel (0471) 2720025/65 • **Vadodara**: Ramakrishna Chambers, 7th floor, Productivity Road, Alkapuri, Vadodara - 390007. Tel: (0265) 2330334/6614100 • **Visakhapatnam**: D. No. 49-24-65/1, Near Sankarmatam Road, Madhura Nagar, Visakhapatnam - 530016. Tel: (0891) 2748405/2748433 • **Vijayawada**: No. 40-1-62, Nagas Hafeez Plaza, Opposite to grand modern supermarket, Near BENZ Circle, M G Road, Vijayawada 10. Tel: (0866) 2484004



Blue Star products comply with RoHS regulations as per E-Waste (Management & Handling) Rules, 2016. For disposal of E Waste, kindly visit our website www.bluestarindia.com or call our customer care 1800 209 1177 (Toll Free) or 1860 266 6666.