

# Kirloskar Pneumatic Company Limited

30<sup>th</sup> January 2026

# Vision, Mission & Our Values



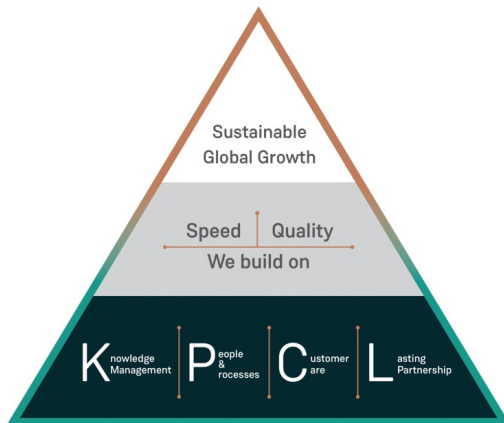
## VISION



## MISSION



## OUR VALUES



We will demonstrate an edge to all our stakeholders in our offerings for converting/transmitting energy.

We will strive to make our company an employer of choice.



### EXCELLENCE

In everything we do, Quality without compromise



### INTEGRITY

Say what we do, and do what we say



### COLLABORATION

We grow with People and Partners



### EMPATHY

Towards all Stakeholders  
We always Listen and Learn



### VALUE CREATION

Towards all Stakeholders  
We're bulding for a shared prosperous future



### INNOVATIVE THINKING

Be Bold & Brave and stay Relevant

# QEOHS Policy

## QUALITY, ENVIRONMENT, OCCUPATIONAL HEALTH & SAFETY POLICY

Kirloskar Pneumatic Company Limited is in the business of manufacturing Air, Gas & Refrigeration Compressors and Packages, Vapour Absorption Chillers, Hydraulic & Mechanical Transmission Products and Gears.

Through implementation of QEOHS Management System, We commit

- to be a process driven organization.
- that all our Products & Services meet Customers' Needs & Expectations.
- that Quality, Environmental and OH&S requirements are an integral part of our processes.
- that as an organization we will focus on continual improvement of QEOHS performance.
- to provide safe & healthy working conditions for prevention of work related injuries, ill health and provide a conducive atmosphere to our interested parties.
- to establish a platform for setting and reviewing Quality, Environment and OH&S objectives.
- to periodically assess, review and mitigate the environmental aspects/impacts and OH&S hazards / risks in its Activities, Products & Services.
- to comply with all applicable compliance obligations / legal and other requirements to which Kirloskar Pneumatic Company Limited subscribes to that relate to environmental aspects and OH&S hazards.
- to eliminate hazards and reduce OH&S risks.
- to continually work towards the protection of environment, including prevention of pollution and other specific commitments relevant to the context of the organization.
- to ensure consultation and participation of workers, and, where they exist, workers representatives.
- to be a socially responsible organization.

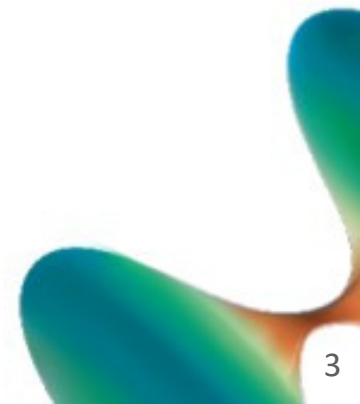
Kirloskar Pneumatic Company Limited is committed to the satisfaction of all our Stakeholders.

Our "Values" will be central to all our actions.

Date: 12<sup>th</sup> February, 2021  
Revalidated on: 2<sup>nd</sup> May, 2023

  
K Srinivasan  
Managing Director

"Mark 'Kirloskar' used in any form as prefix or suffix is owned by Kirloskar Proprietary Limited and Kirloskar Pneumatic Company Limited to the Permitted User"









# Key Highlights

## First

Indian Company approved for Hydrocarbon Refrigeration Systems

## First

Supplier of Traction Gears to Indian Railways



## 70%

India market share for Ammonia Refrigeration Compressors

## 1,000+

Packages installed at CNG Stations across India

Kincentric  
**Best Employer Award**  
2023

## 3

State-of-the-Art Manufacturing Facilities

## 80+

Dealers

## 900+

Employee Strength

# Our Presence

## 3 Manufacturing Plants

Hadapsar, Pune (Head Office)

Saswad  
Nashik

## 10 regional offices

### West region

Mumbai  
Ahmedabad  
Vadodara

### North region

New Delhi  
Lucknow

### East region

Kolkata

### South region

Chennai  
Hyderabad  
Visakhapatnam

International Partners

**kirloskar**  
Pneumatic



#### KDMCC

Kirloskar Direct Multi  
Commodities Centre,  
Dubai



#### Kirloskar Trading SA Pty Ltd

(formerly known as JITSPL),  
South Africa

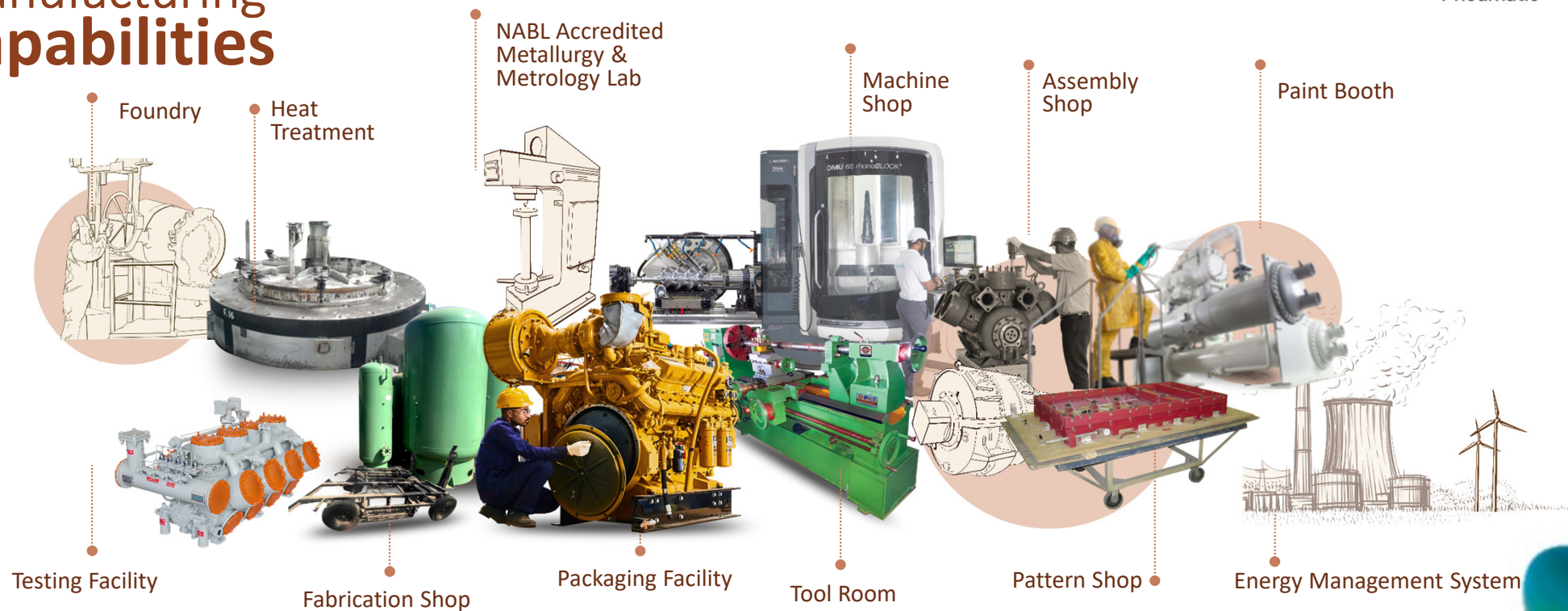


#### KSEACL

Kirloskar South East Asia Co.  
Ltd.



# Manufacturing Capabilities




  
**>98%**  
on-time  
delivery index

  
**<24 Hrs**  
MTTR

  
Lowest  
cost of  
ownership

  
Foundry  
Capability  
deliver 8 tones /  
day Casting

  
**3MW**  
capacity for building and  
testing packages at  
Saswad



# Manufacturing Capabilities

## Smart Factory

**Kirloskar**  
Pneumatic

**IIoT Enabled Manufacturing**  
(OEE > 90% , PPM < 500, FTA > 98%)

**Digitalized Audit Management** to improve overall efficiency

Adapted to cloud hosting & the **new-age PLM** (Product Life Cycle Management) framework

**Digitalized Activity Tracker** and Reports to get real time insights

Digitalized Stores for efficient **Inventory Management**

**Automated Testing Beds**

**Kirloskar CMS**  
User-Friendly App for Effortless CNG Package Performance Monitoring

### KRMS

(Kirloskar Remote Monitoring System)  
Seamlessly Monitoring KCX Series Refrigeration Compressor Performance at Your Convenience



# Manufacturing Backed by IMS (Integrated Management System)



**IMS - Integrated  
Management System**



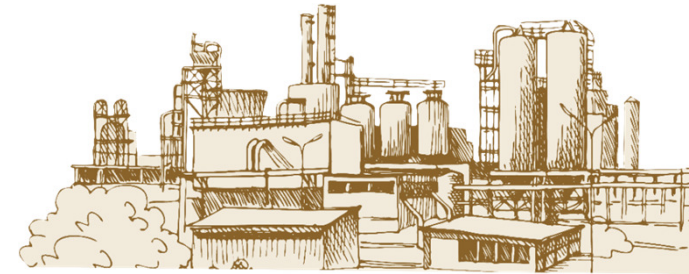
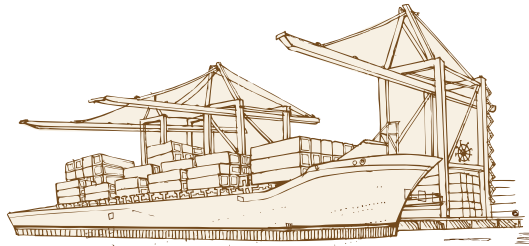
**ISO 9001 : 2015**



**ISO 14001 : 2015**



**ISO 45001 : 2018**



# Air Conditioning & Refrigeration Systems (ACR)

Cooling our way into the future





# Air Conditioning & Refrigeration (ACR)

ACR started with manufacturing of Air Conditioning & Refrigeration compressors (equipment group) and expanded into refrigeration projects and subsequently expanded into manufacturing Vapour Absorption Chiller



**Refrigeration Equipment &  
Refrigeration Systems**



**Refrigeration Projects & Marine  
HVACR**



**Vapour Absorption  
Chillers**



**Spares & Service**

## ACR - CAPABILITIES



**Innovation through  
Design & Development**



**Manufacturing  
IoT Enabled**



**Largest Sales  
& Service Network**



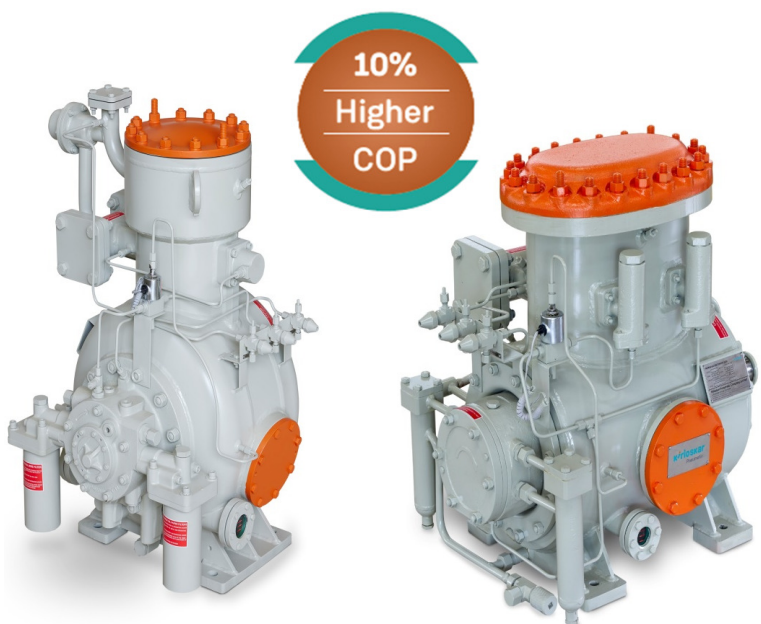
**Supporting Large  
Installation Base**



**Training &  
Development**

# RECIPROCATING REFRIGERATION COMPRESSORS

## PCX – REFRIGERATION COMPRESSOR FOR SMALL CAPACITIES



**Air Cooled Refrigeration  
Compressor**

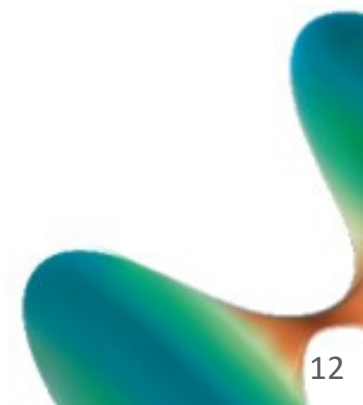
### Small Yet Powerful Refrigeration Compressors

#### Offering

Temperature Range  
**-15°C to 5°C**

Capacity  
**5 to 55 TR**

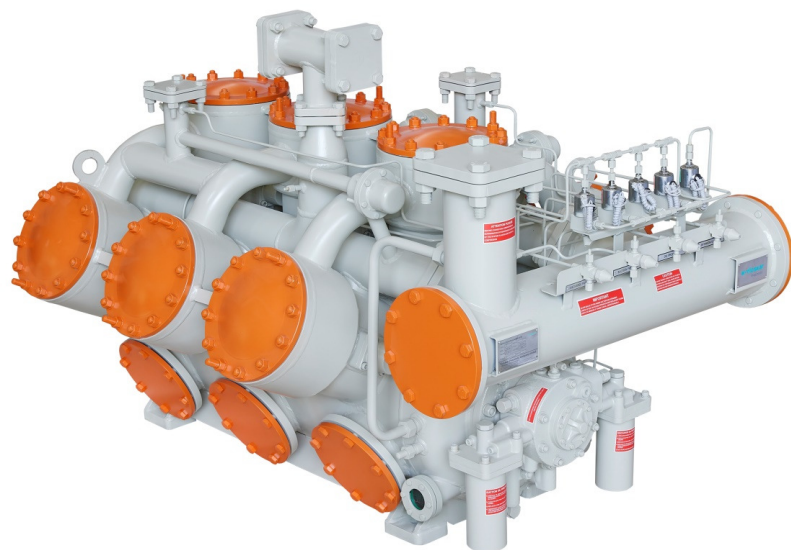
- Compact Design
- Best In Class COP
- High Efficiency Suction & Delivery Valve
- Power Saving
- Compact Design - Less Footprint
- Easy to Package and to Install
- Drive Arrangement - Direct & Belt Driven





# RECIPROCATING REFRIGERATION COMPRESSORS

## KCX – AIR COOLED REFRIGERATION COMPRESSORS



### Heavy Duty Refrigeration Compressors

#### Offering

Temperature Range	Capacity
(-) 45°C to 5°C	20 to 500 TR

- Fabricated Modular Rugged Construction
- Superior COP Values at Full & Part Load Operation
- Lowest Cost of Ownership
- Smart Monitoring & Control - KRMS
- Low Vibration & Noise Level

**Single & Double Stage Refrigeration Compressor For Industrial Low Temperature & Large-Scale Deep Freezing Applications**



**Air Cooled Refrigeration Compressor**

# RECIPROCATING REFRIGERATION COMPRESSORS ENGINEERED SET – DELIVERING RELIABLE REFRIGERATION



**Air Cooled Refrigeration  
Compressor Set**

## Efficient And Robust Refrigeration Set

### Offering

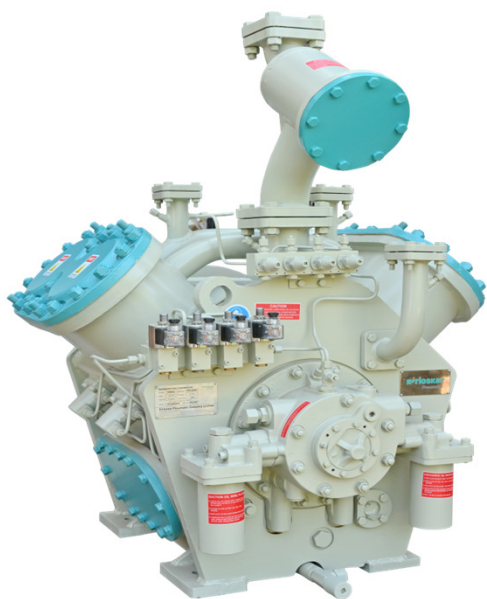
Temperature Range	Capacity
<b>-45°C to 5°C</b>	<b>20 to 500 TR</b>

- Assembled skid
- Plug & play package – Easy installation
- Custom designed for each application
- Integrated automation
- Oil return line with check valve and filter
- Skid-mounted control and monitoring system

**Single & Double Stage Refrigeration Compressor For  
Industrial Low Temperature & Large-Scale Deep Freezing  
Applications**

# RECIPROCATING REFRIGERATION COMPRESSORS

## KZX – HIGH SPEED REFRIGERATION RECIPROCATING COMPRESSOR



### Compact and Powerful Refrigeration Compressors

#### Offering

Temperature Range

**-45°C to 5°C**

Capacity

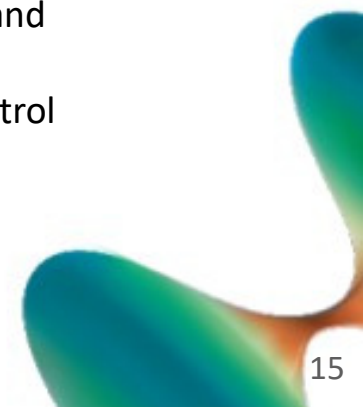
**10 to 100 TR**

- High Coefficient of Performance
- The Robust Crankcase Design Ensures Low Noise and Vibration
- Large Suction Chamber for the Reduction in Pressure Drop
- Capacity Control for Each Cylinder
- Externally Mounted Suction Gas Strainer Makes Service and Maintenance Easy
- KRMS Integration with VFD Offers Step-less Capacity Control
- Max: 1500 RPM

**High Speed High Efficiency Open Type  
Reciprocating Refrigeration Compressor**



**Air Cooled Refrigeration  
Compressor**

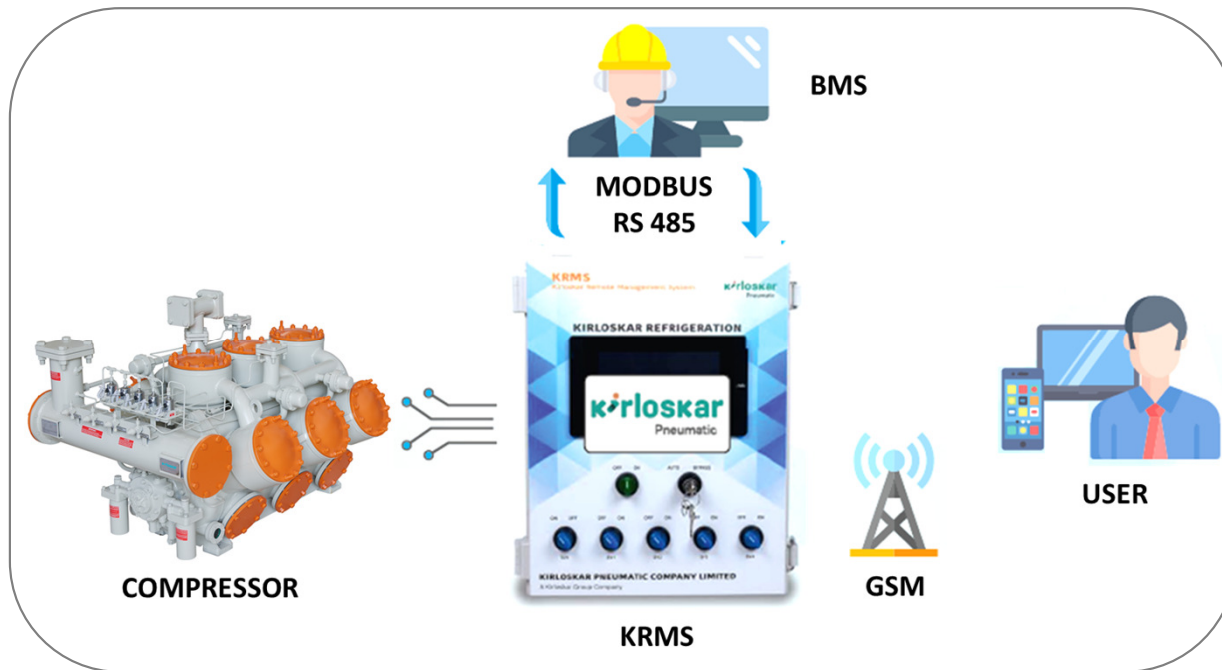









# REFRIGERATION EQUIPMENT & REFRIGERATION SYSTEMS

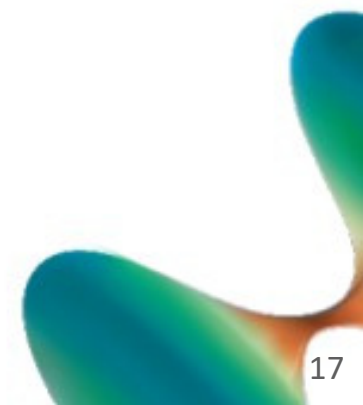
## VALUE ADDED PRODUCT

## KRMS – KIRLOSKAR REMOTE MANAGEMENT SYSTEM DELIVERING EXCELLENCE THROUGH INNOVATION

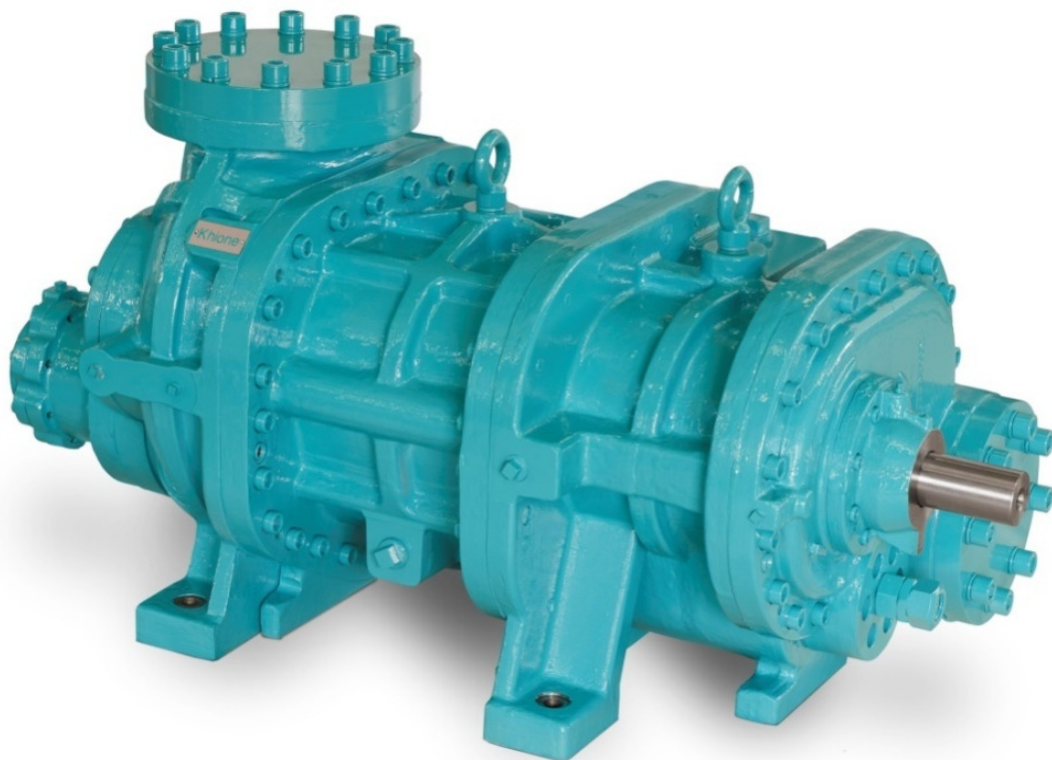


-  Enhanced Safety & Protection
-  Compressor Controller
-  Remote Monitoring of Compressor at Fingertips
-  Maintenance Monitor
-  Smart Diagnostics

# Khione



## SCREW COMPRESSOR Branding - KHIONE



**KHIONE – Name originates from Greek Origin.  
It means Goddess of snow**

**It is the 1<sup>st</sup> Indigenously developed twin screw  
compressor.**

**Robust and Reliable in construction**

**Suitable for refrigerants like NH<sub>3</sub>, R404A, R22,  
R134A, R507, R407 etc.**

**Capacity Range:50 TR to 900 TR with temperature  
range of -40 Deg. C to (+) 5 Deg. C**

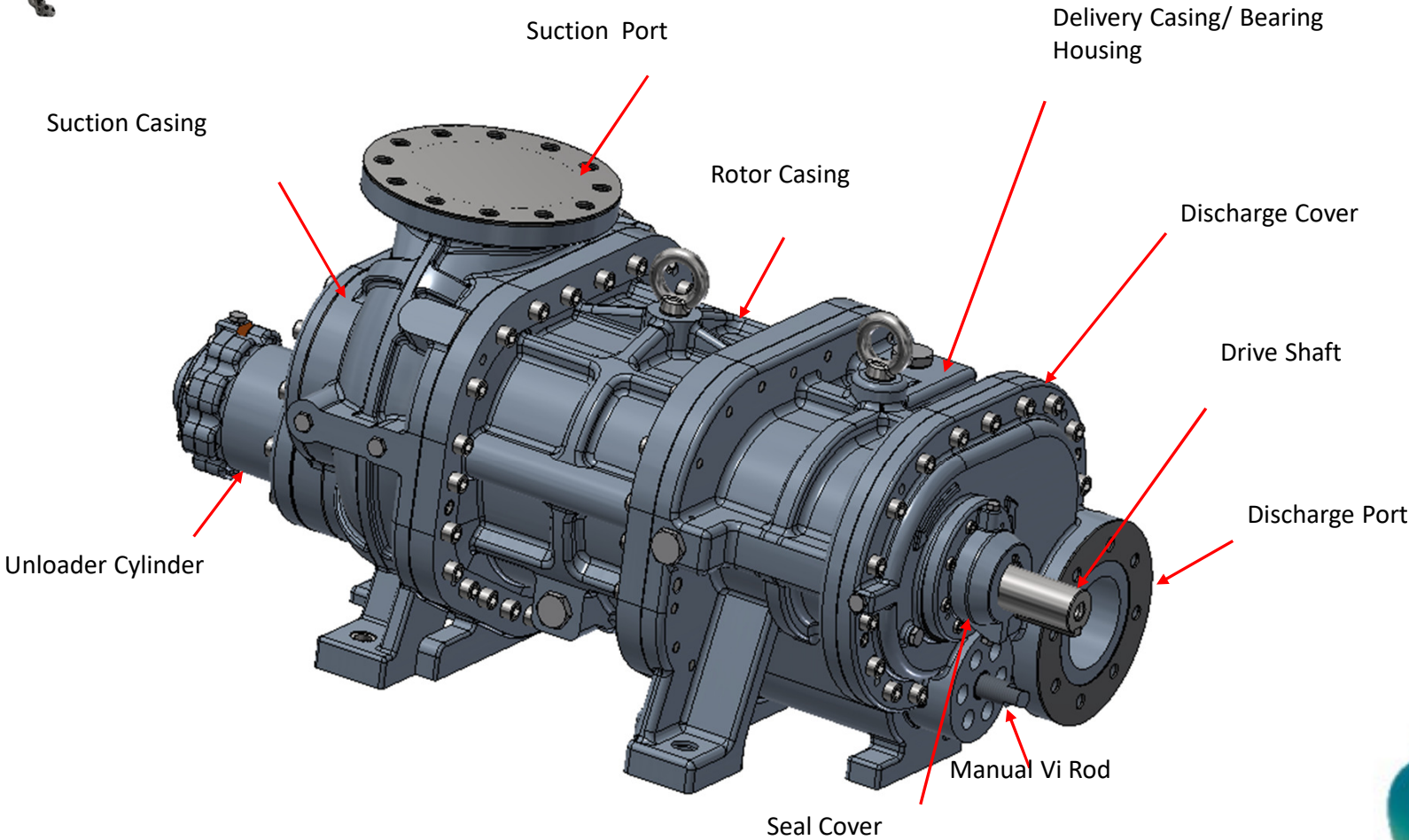
**Application: High Stage and Booster duty**

**Khione**





# Innovation Journey – Khione

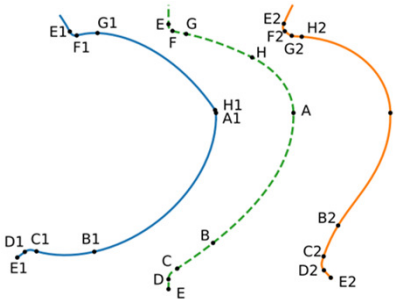


# Innovation Journey – Khione

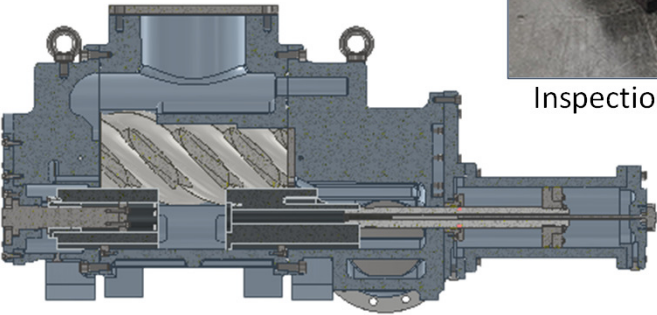
- 9 products compressor range
- Patented ‘K-Profile’ rotor
- Premium Product with reliable after-sales.



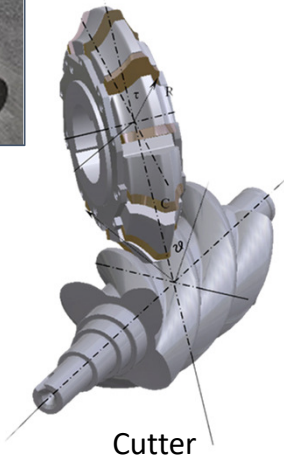
Patent Certificate



Inspection of rotor



Cross-sectional view indicating  
Slide Valve & Slide Stop



Cutter

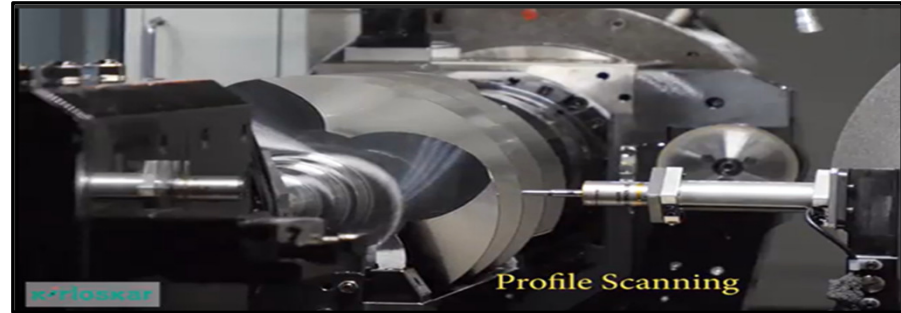


## Innovation Journey – Khione

### “Building a Scalable Product Platform”



Screw Rotor Grinding using new Gen Machines



Online Profile Scanning gives real time inspection



Underwater Pneumatic test



In-House Testing

- Established **in-house** processes – For Best-In-Class Product.



## SALIENT FEATURE – KHIONE

**korloskar**  
Pneumatic



Vi - Variable Volume  
Ratio



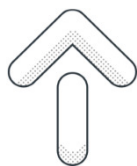
Optimized Oil  
Injection



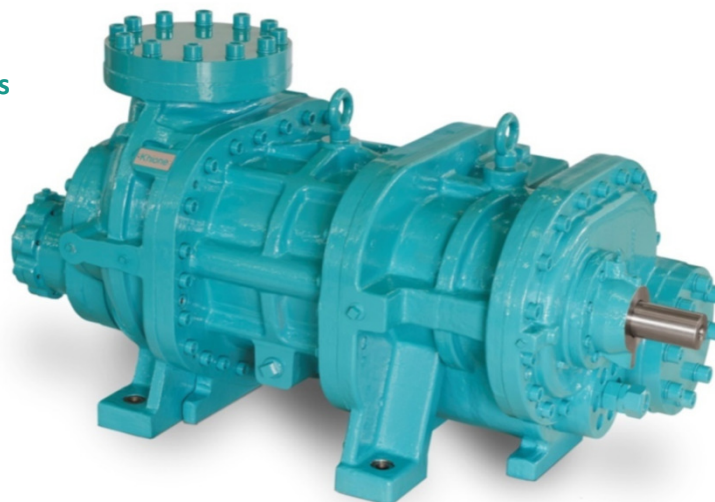
Anti-friction Bearings  
For Maximum Life



Low Cost of  
Ownership



Economizer Port  
For Higher COP



**Khi****ne**



Min/Max Operating  
Speed  
1450/3600 rpm



Discharge Port  
Convenient For  
Packaging



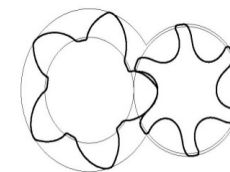
+5 To (-) 45°C  
Evaporating  
Temperature Range



Robust & Reliable  
Design

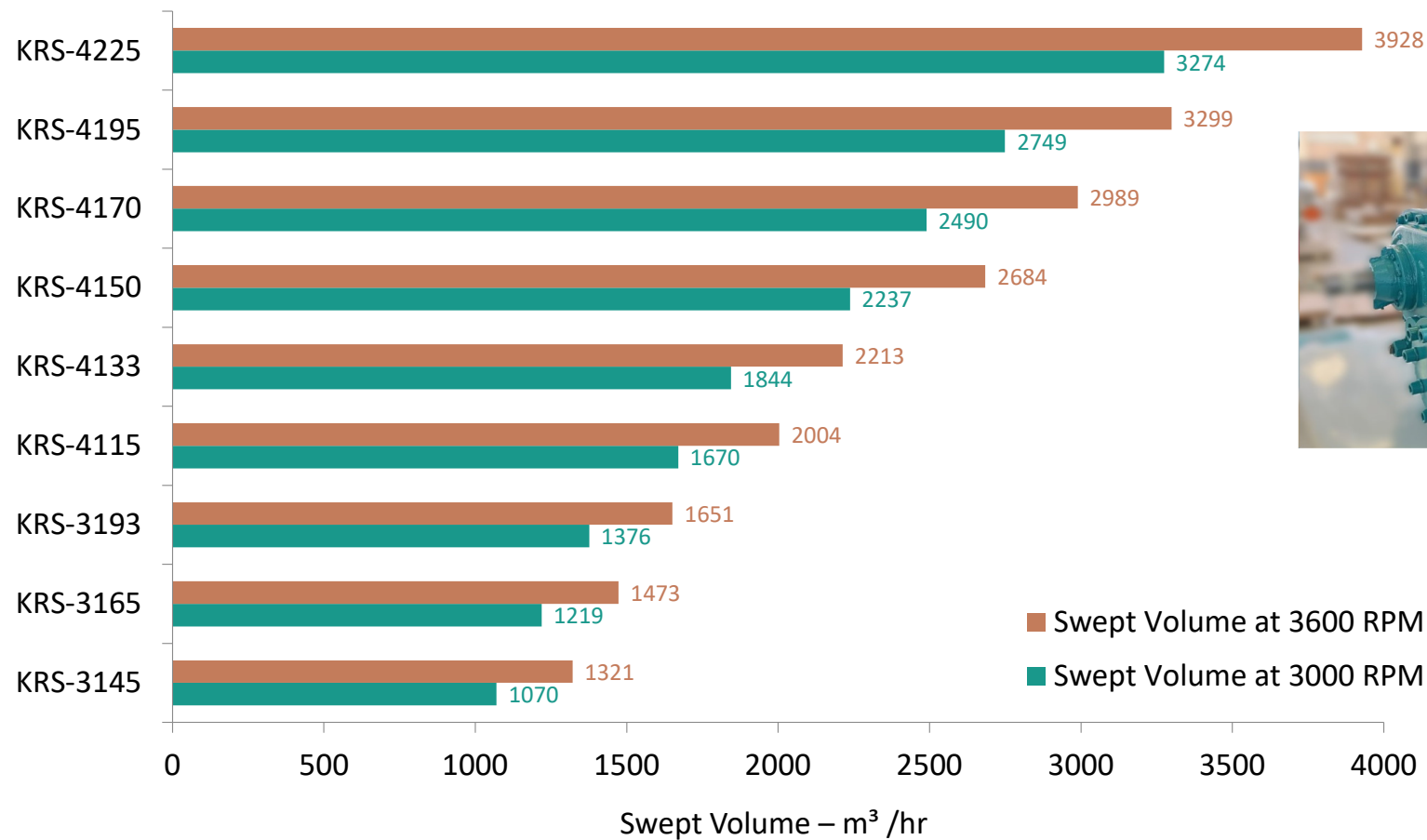


Step Less Capacity  
Control Slide Valve :  
10 To 100%

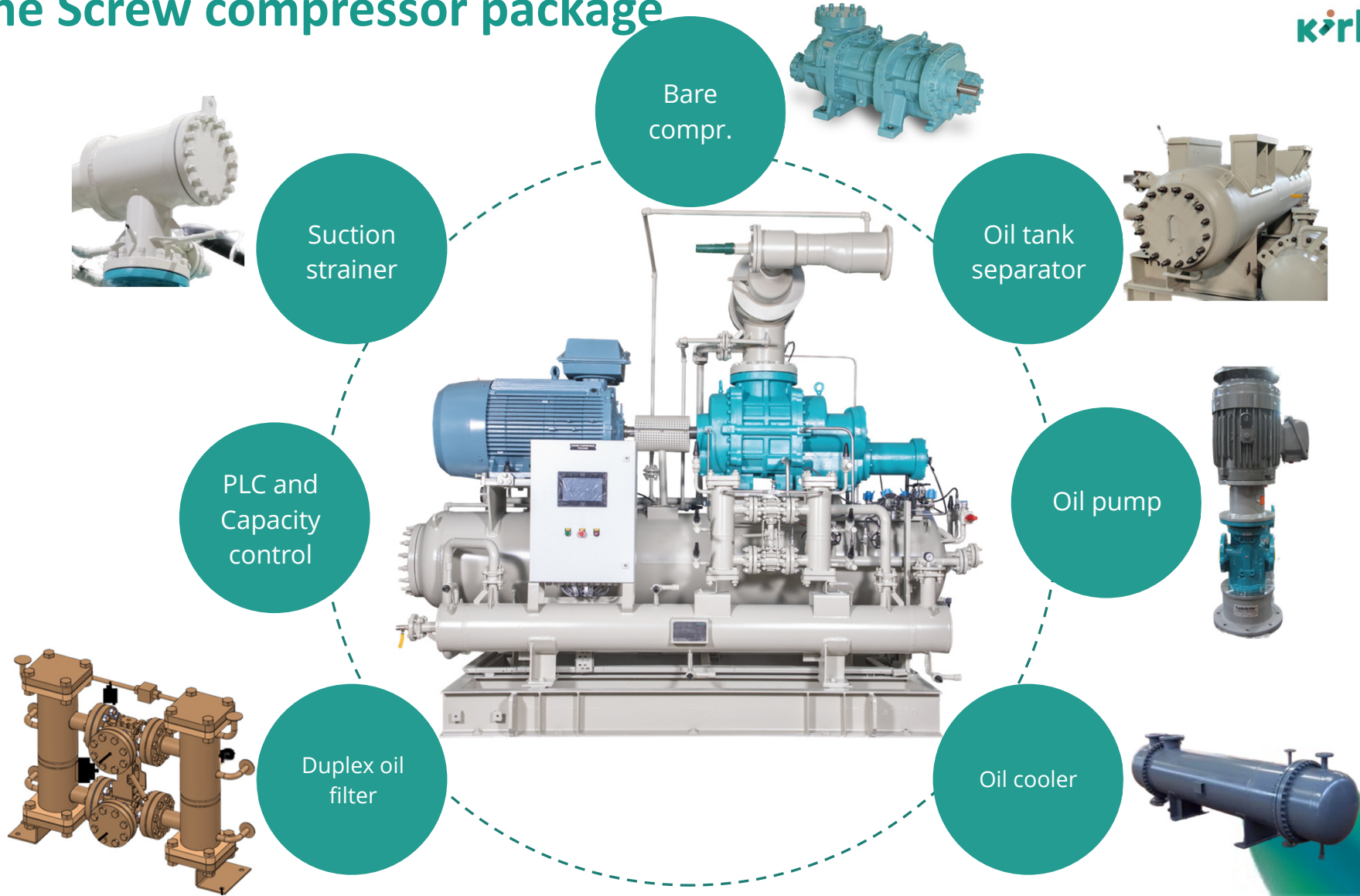


'K' Profile rotors

## KHIONE RANGE — Swept Volumes m<sup>3</sup> /hr



# Khione Screw compressor package





# Khione Test Bed



- **Mechanical Air Run Test** –  
Checking of all rotating parts  
Checking of undue noise  
Vibrations.
- **Performance Testing**  
Plus 5 to Minus 40 Deg C Suction temp.  
Plus 40 Deg C Condensing temp.  
Refrigerant- Ammonia  
\*Testing on variable temperatures  
VFD available for testing
- **Loading and Unloading**
- **Tested at 2950 rpm.**

## A Few Snapshots of our Installations



**Dairy**



**Food & Beverages**



**Sea Food**



**Dairy**



## A Few Snapshots of our Installations



**CO2 Liquification**



**Beverages**

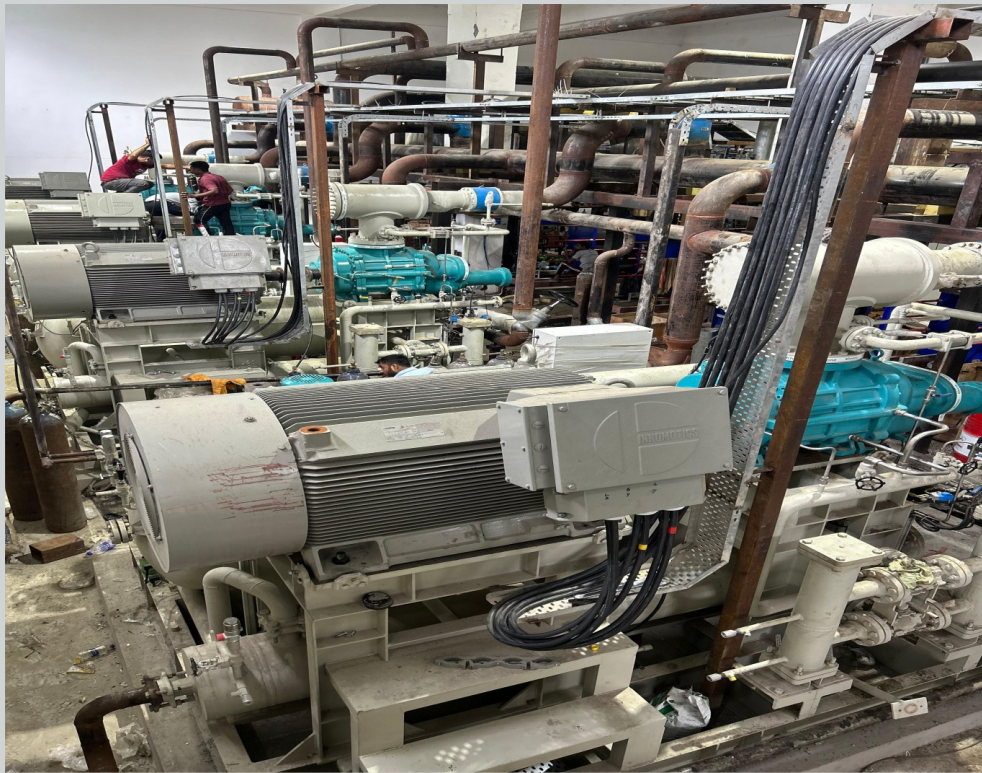


**Chemical**



## A Few Snapshots of our Installations

**korloskar**  
Pneumatic



**Beverages**



**Breweries**

## Q & A



## Contact



### HEAD OFFICE:

#### **Kirloskar Pneumatic Company Limited**

Hadapsar Industrial Estate, Hadapsar, Pune – 411 013,  
Maharashtra

Mr. Harshad Vaidya - GM (ACR)

Email: [harshad.vaidya@kirloskar.com](mailto:harshad.vaidya@kirloskar.com)

### Factory: Saswad

**Address:** Kirloskar Pneumatic Company Limited  
Saswad Industrial Estate, Near Waghire College,  
Taluka - Purandhar, Dist-Pune, Saswad-412 301,  
Maharashtra, India

### Regional Office (South): Chennai

**Address:** Kirloskar Pneumatic Company Limited  
5th Floor, B-Wing, KGN Towers, No. 62, Ethiraj  
Salai, Egmore, Chennai, Tamil Nadu – 600 008

P. Meenatchi Sundharam – DGM (ACR)  
[pm.sundharam@kirloskar.com](mailto:pm.sundharam@kirloskar.com)

Thank You

Presented by: Team ACR

<https://kirloskarpneumatic.com/>