

Anest Iwata Air Compressors



Always Ahead with Anest Iwata!



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Anest Iwata Motherson Pvt. Ltd
Air Compressor Division

Introduction

- Anest Iwata Japan (AIJ)
- Samvardhana Motherson Group (SMG)
- Anest Iwata Motherson (AIM)
- Product Range
- Anest Iwata Advantage



誠 心

TRUSTWORTHY & SINCERE

Active & Newest Technology

Challenge spirit

Innovation

Development oriented
corporation

with energy and latest technology

Environment protection

We aim global

Honest and Earnest.

*We entrust the **corporate motto** of Trustworthy & Sincere
to the corporate name.*

- Sincere Heart
- Customers come first above everything else.
 - ▶ All activities and decisions have to be made only for our valued customers.
- Establishing “Creative and Innovative Company Base”
- The company who helps our daily life
- Offering “The Best Quality, Technology and Service”

Active & Newest Technology

History of ANEST Iwata

Started manufacture and sales of
Coating equipment & Systems and Topics

1926 Iwata Seisakusho was established.

1927 **Spray guns** as the first in Japan.

1948 Iwata Air Compressor Mfg. Co., Ltd.

1962 **Painting systems.**

1971 **Electric static spray guns.**

1973 **Air brushes.**

1973 Listed at The 1st Tokyo Stock Exchange.

1975 **Painting robots** jointly with Mitsubishi.

1985 **Coating application equipment.**

1987 **Diaphragm paint pumps.**

1996 **Approved by ISO 9001.**
ANEST Iwata Corporation (name changed).

1999 **Approved by ISO 14001.**

2000 **Electro static spray guns for water
base paints.**

2000 **Low pressure spray guns.**

2003 **Powder electric static spray guns.**

Started manufacture and sales of
Air compressors & Vacuum pumps

1928 **Reciprocating air compressors.**

1977 **Screw air compressors.**

1984 **Oil-free reciprocating air compressors.**

1989 **Oil-free tooth type air compressors.**

1991 **Oil-free scroll air compressors** as the first
in the world

1993 **Oil-free scroll vacuum pumps** as the first in
the world

1997 **Low pressure scroll vacuum pumps (DVSL).**

1998 **DIY pneumatic tools (by AI-CH)**

2000 **Oil-free air compressors by composite
piston.**

2001 **High vacuum turbo cart units.**

2002 **Nitrogen gas generators.**

2004 **Booster compressors.**

2007 **Approved by ISO 14001.**



Head Office & Yokohama Plant

Domestic associated companies
at the head office.

ANEST Iwata Service Co., Ltd.
ANEST Iwata Coating Service Co., Ltd.

ANEST Iwata Campbell Co., Ltd.



Akita Plant



Fukushima Plant



**Fukushima
No. 2 Plant**

ANEST IWATA Global Network



motherson 

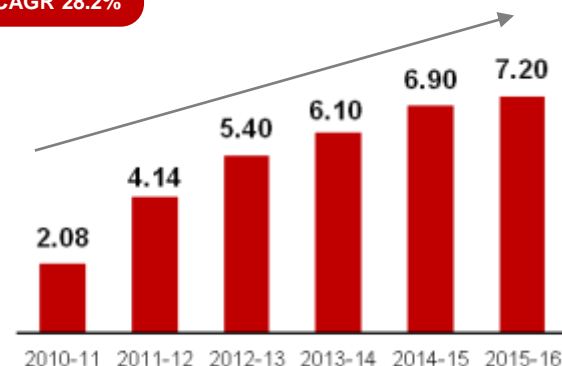


Established in 1975 in India, we are a global group supporting customers from over 180 facilities across 25 countries and 5 continents.

Proud to be part of the solution. Integrated design and manufacturing group providing full system solutions to automotive and other related industries.

SMG GROUP REVENUES (in billion USD)

CAGR 28.2%



Proud to be part of our customers through four key business areas:

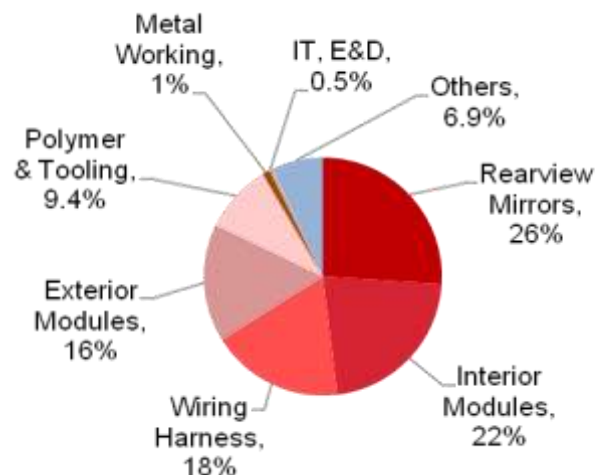
- Polymers
- Rear view vision systems
 - Wiring harnesses
 - Modules

Proud to be part of the world's leading companies. Global customer base of all the world's major automotive OEMs.



Technology driven with in-house research as well as support from JV partners.

Proud to be part of Motherson. Driven by over 81,000 professionals of different cultures and nationalities.



Industry Position

One of the largest

Globally



- Exterior rearview mirrors

Europe



- Exterior rearview mirrors



- IP modules, door trims and bumpers



- Wiring harnesses for 2- wheelers, earthmoving and material handling equipment

India



- Wiring harnesses for passenger cars



- Rearview mirrors for passenger cars



- Moulded components and modules



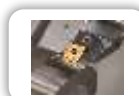
- Plastic air intake manifolds



- Cabins for large size dump trucks



- Gear cutting tools



- CBN & PCD cutting tools

Vision

To be a globally preferred solutions provider

Mission

- Ensure customer delight
- Involve employees as “partners” in progress
- Enhance shareholder value
- Set new standards in good corporate citizenship

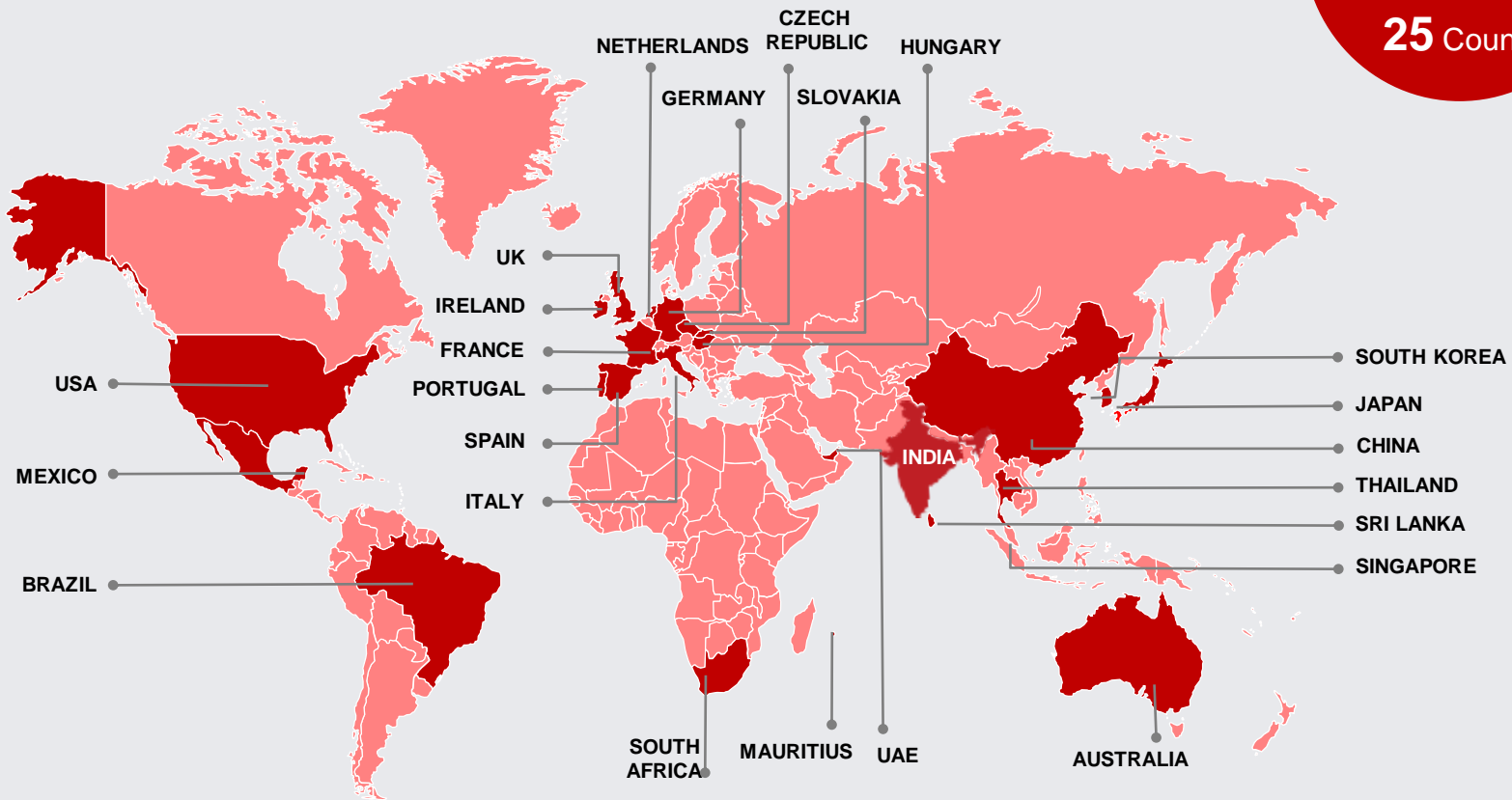
Values

- Be a lean, responsive and learning organisation
- Continuously improve to achieve world-class standards and total customer satisfaction
- Proactively manage change
- Maintain high standards of integrity and safety
- Ensure a common culture and a common set of values throughout the organisation
- Recognize individuals' contributions
- Develop stronger leadership skills, greater teamwork and a global perspective
- Constantly upgrade skill levels across the organization through knowledge sharing programmes

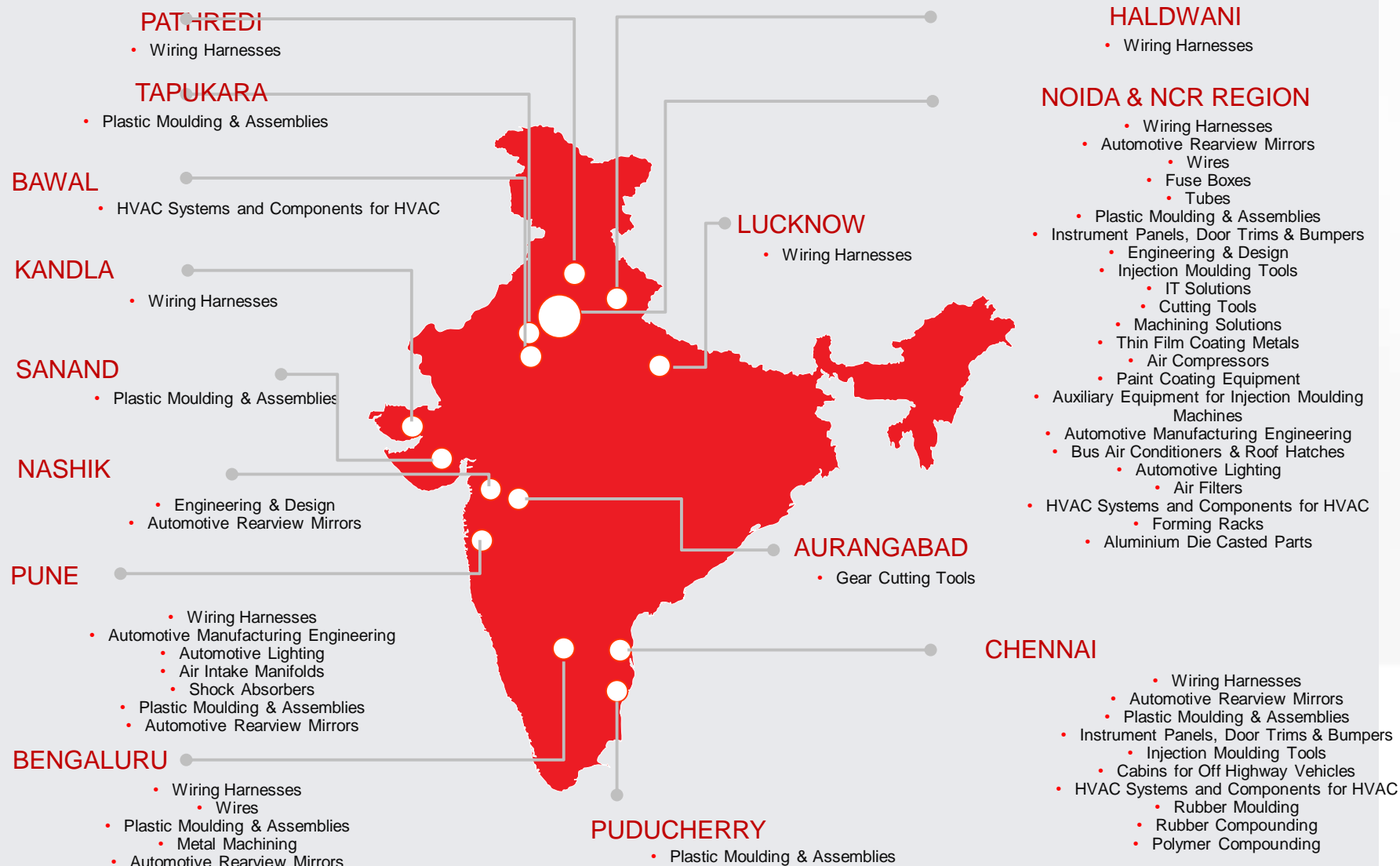
Serving Customers Globally

•We have a network of manufacturing facilities, engineering and design centers, marketing offices, logistics centers and sourcing hubs across the world to serve our customers globally in geographies of their presence

Over **180**
facilities
Presence in
25 Countries



Serving customers in India



Proud to be part of...



... The world's leading automotive brands

CUSTOMERS

STAKEHOLDERS



... The collaborators & all our stakeholders



... The satisfied lives of our employees

EMPLOYEES

SOCIETY



... The wellbeing of the communities we work in

**PROUD TO BE
PART OF**

Diversified Customer Base

Passenger Cars & Commercial Vehicles



* Major customers only , *Listed alphabetically

Diversified Customer Base

Two Wheelers



Automotive Tier 1



Material Handling & Earthmoving



Agriculture, Farm Equipment & SPVs



Medical, Electronics, White Goods and Others



* Major customers only , *Listed alphabetically

Customer Recognition



Overall Performance
Gold Award
2013-14



System Audit Rating
2013-14



Inner Part Localisation
2013-14



Manufacturing Excellence
2013-14



Nagare Schedule
Adherence
2013-14



Consistently High
Quality Performance
2013-14



Safety
2013-14



Quality & Delivery
2013-14



Superior Performance
Focused Cost Down
2013-14



Superior Performance
Car Sale
2013-14



Gold Award
Quality, Cost and
Delivery
2014



Outstanding
Performance in New
Products
Development
2013-14



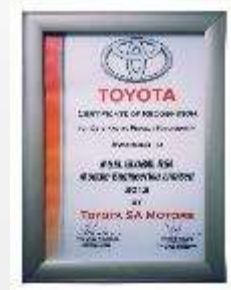
Overall Best
Performance
Award
2013-14



Merit Award
for Best
Performance
2013-14



Supplier of the Year
Gold Award
2013



Outstanding Project
Management
2013



Zero PPM Award
2013



Best Quality
Performance
2013



Localisation
Award
2013

Customer Recognition



RENAULT NISSAN



Significant Improvement
in Customer indicators
2013



Best Quality
Performance
in FY 2014



Supplier of the Year
2013



Supplier Quality
Excellence Award
2014



Supplier of the
Year
2012

VOLVO



Quality Award
2013



Social Contribution
Activities



QCIDM Supplier
2013



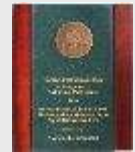
Quality Commitment
2011

CATERPILLAR®



Gold Certification
2012

JOHN DEERE



Excellence in
partner level
Performance
2013



Award for
support in
Aggressive
Indigenization



Supplier of the year
2013



Quality Improvement
Award

Salcomp

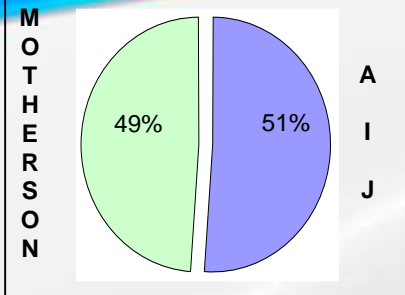


Best Supplier Award
on Overall
Performance 2013

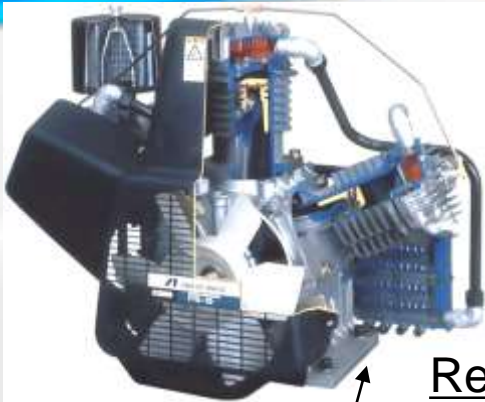




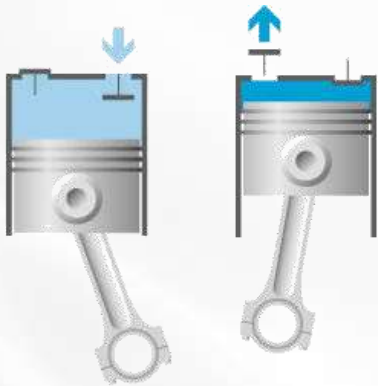
Shareholding Pattern



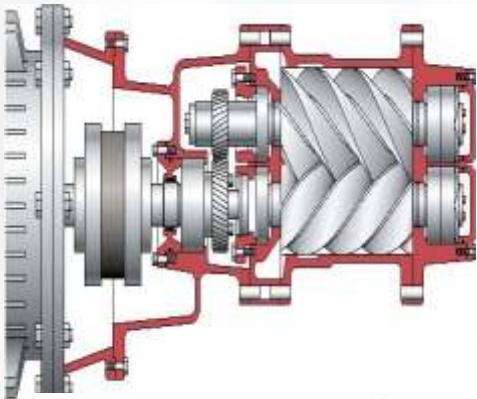
- Established in December 2000.
- Joint Venture of Anest Iwata Corp., Japan & Samvardhana Motherson Group, India.
- Manufacturing, Sales and Service of Anest Iwata Air Compressors – Reciprocating type..
- Introduction of sales of Scroll type Air Compressors in 2004.
- Testing facilities have been imported from Japan and ensure that all Safety, Quality and Durability parameters set by AIJ are adhered to.
- World Wide Export Hub for Reciprocating Air Compressors.



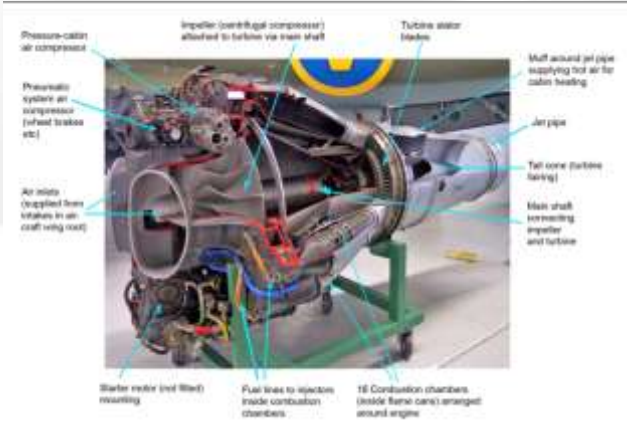
Recip



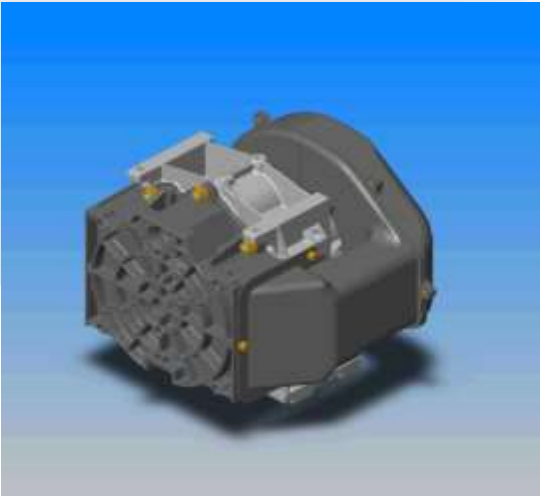
Types
of Compressor
Technology



Screw



Centrifugal



Scroll

Motor Power (HP)	Description	CFM	Pressure (kg/cm ²)
0.5 - 30	Air Cooled Reciprocating, Oil Lubricated	3– 104	7 – 12
0.5 - 30	Air Cooled Reciprocating, Oil Free	3 – 114	7 ~ 8.5
1 - 20	Air Cooled Scroll Type, Oil Free	2.6 – 58	7 -10
7.5 - 500	Air Cooled Oil Injected Screw Air Compressor	39-2619	7 - 12.5



CMF
TECHNOLOGY

the
FUTURE
of **AIR**



COMPACT
AIR

AIRSTYLE
PERFECTION

2 Minimum Oil Consumption

Our extra smooth machining process Provides the lowest oil consumption in its class!



1

MAXIMUM AIRFLOW
MAX F.A.D in class

4 SILENT OPERATION

Cast Iron Design and Dynamic Balanced Flywheel provide silent operation.

3 EXTRA LOW VIBRATION

“Dynamic Balanced” flywheel pulley provides extremely low vibration.

Technological advantages of AIM Compressor

Sl. No.	Item	Design	Merit
1	Intake filter	Combination type(Oil & Dry type)	Make up for Maintenance negligence
2	Performance	Leaf type flapper Valve for lower head clearance	High efficiency . Our compressors are 14% more energy efficient than competition , hence highest air output per HP.
3	Balancing	Excellent dynamic balancing	Very low vibration Very low noise level
4	Seal design	Non asbestos (liquid Gasket)	Environment friendly
5	Cylinder & piston Rings	Special honing of cylinders	Low oil consumption , Low oil carry over , Low wear & tear resulting in increased life of components.
6	Motor	Reputed Brand Motors	Quality & Service assurance



2 Seize Free Piston Technology

Our
“Composite Piston Technology”
extends bearing and ring life.



1

MAXIMUM AIRFLOW
MAX F.A.D in class

4 Low Noise OPERATION

Dynamic Balanced Flywheel
Provides lesser noise operation.

3 EXTRA LOW VIBRATION

“Dynamic Balanced”
flywheel pulley
provides extremely
low vibration.



Our Breakthrough Composite Piston can be used under very high temperature and extremely durable. No catastrophic failure after rings wear out.

⇒ We can provide **"Seize-Free" compressors.**

Only one in the world!!

Oilfree Scroll Compressors

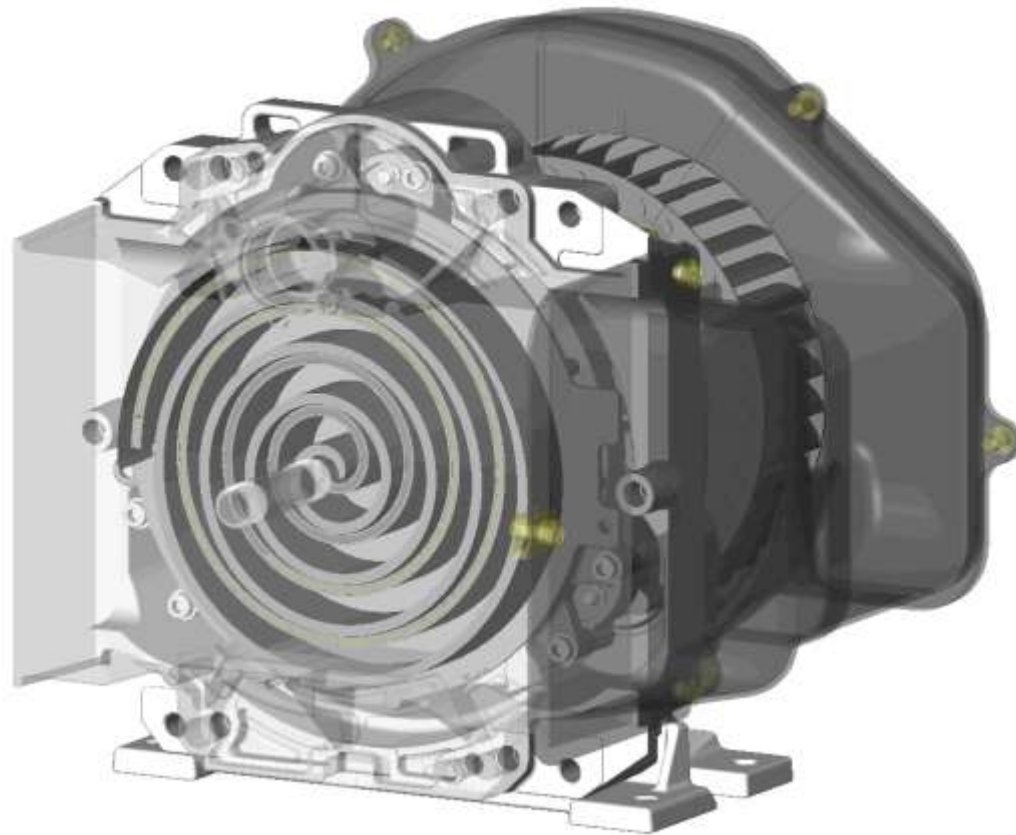
the
FUTURE
of **AIR**

SCROLL

THE WORLD FIRST OILFREE SCROLL AIR COMPRESSORS !!

- Pioneer of Oilfree Scroll Technology
- Clean & Safe
 - ⇒ Absolutely No Oil anywhere in the compressor chamber
- Ultra Quiet Enclosed Unit
- Low Vibration
- Low Maintenance cost
- Low Starting Torque
- Serviceable Bearings
- Integral cooling fan
- High pressure units available

SCROLL PRINCIPLE







Rotary Screw Lubricated Air Compressor

A Rotary Screw Air Compressor is a type of positive displacement compressor that uses 2 meshing helical screws, known as rotors, to compress the air.

This technology is popular among others because it's continuous process which supply a steady, non-pulsating air flow, with minimum vibrations and maintenance & maximum lifetime.

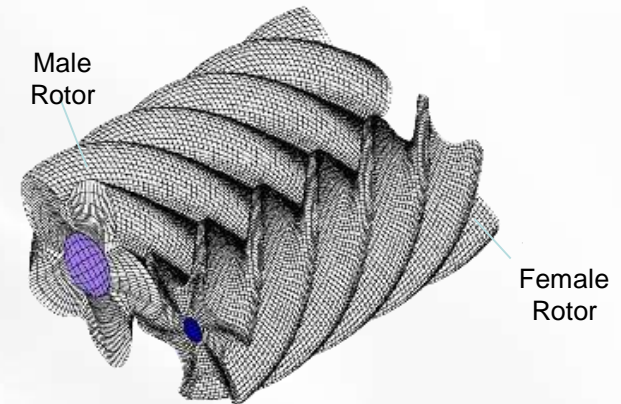


Fig.: Working Principle of Scroll Air Compressor

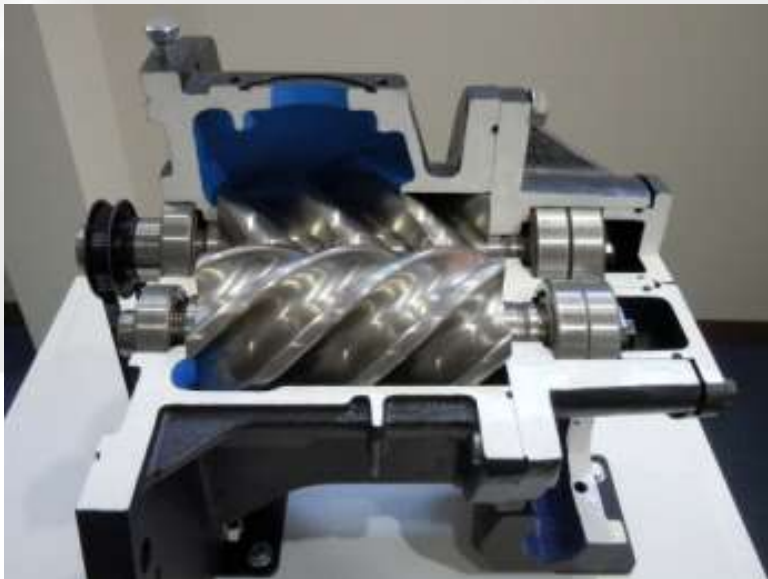


Fig.: Cut Section of Screw Air end



Fig.: Rotary Screw Air Compressor



AIM (NOIDA)

100% Integrated Manufacturing
With 2 World Class Mfg. units in India



AIM (GREATER NOIDA)

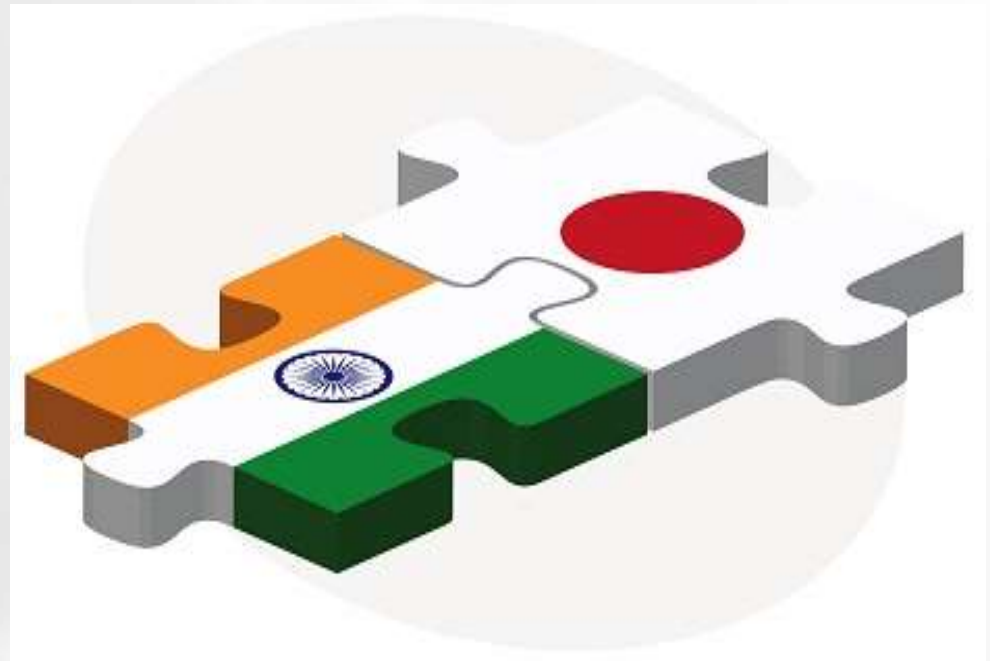
Quicker Deliveries with more than 300 compressors being kept in rolling stock



AIM exports 75% of its production of Piston Compressors



Only Company which is exporting Piston Compressors to US & JAPAN from India



The Product Line is same for Domestic and Exports

More than 40,000 smiling customers in India



ANEST IWATA Advantage

All India After Sales Support Network
with 28 Direct AIM Service Engineers

Supported with more than 100+ Dealers

Supported with regional and branch
Offices all over India

Dedicated Customer Voice Team
For quick responses

Online Complaint Registration
And Toll Free Complaint No.





Thank you.

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