LRST Series

Tank Mounted Direct Drive Compressor

In-Built VFD | Permanent Magnet Technology | Energy Saving



EXTENDED WARRANTY
AIM 5
FIVE-YEAR CARE

The Air of Trust

Proud to be part of samvardhana motherson

Anest Iwata Motherson

Anest Iwata Motherson (AIM) is a joint venture between Anest Iwata Corporation, Japan, and Motherson Group, India. Anest Iwata Corporation is one of the global leaders in Air Compressors and Vacuum Pumps with more than 9 decades of inspiring history of technological excellence.

Anest Iwata Motherson is committed to delighting its customers by ensuring the supply of the best quality products, supported with effective after-sales services at optimum value. The company has two state-of-the-art manufacturing facilities and a wide network of sales and service centers spread across India.

Anest Iwata Inspiring History

1926
Established In Japan

1928
First Reciprocating Compressor Manufactured

1977
Screw Air compressor Launched

1984
World's First Oil-Free Reciprocating Compressor with "Seize Free Technology" Launched



1991
World's First Oil-Free Scroll Air Compressor Launched

1993
World's First Oil-Free Scroll Vacuum Pump Launched

2000
Anest Iwata Motherson Established

2004
World's First Oil-Free Booster Compressor Launched

2005
Braking Compressor for Indian Railways Launched

2010
Second Facility Inaugurated in Greater Noida (India)



2012
Oil-Free Claw Air Compressor Launched

2013
Reciprocating Vacuum Pump Launched in India

2015
MEGASY Series Medical Air & Vacuum Unit Launched

2017
Electric Bus Compressor Launched

2018
Screw Air Compressor Sales Started in India

2019
Rotary Vane Vacuum Pump Launched

2022
"ARID" Air Dryer Launched



Second Facility in Greater Noida



Affordable High Efficiency Compressed Air is here!

Introducing AIM's latest range of Permanent Magnet Screw Compressors.

The LRST range is the perfect choice for small to medium air users who have a variable air demand or who would like an energy-efficient machine that can match their demand as air usage increases. The LRST range now makes variable-speed energy-saving technology affordable to even the smallest user, where previously it was only a viable option for large air users.





Affordable energy savings

The unique design of the LRST machine bridges the gap between air users that have outgrown a piston compressor but cannot justify the cost of a new variable speed screw compressor. The oil-cooled IE4 ‘Super Premium Efficiency Permanent Magnet Motor' added with an inbuilt variable speed drive is the most cost-effective & energy-efficient air compressor available to you.

Unique advantages of the LRST series:

- **Low noise operation**
- **Maximum energy savings**
- **Oil cooled IP65 PM motor**
- **Bearing free motor design**
- **1:1 direct drive**
- **Wide operating speed**
- **Automatic start-stop scheduling**
- **Low component count**
- **Solid seamless steel pipes**
- **Air receiver with segregated oil tank**
- **Easy to service and maintain**
- **Pure soft start control**

LRST Features and Benefits

High efficiency airend

- Large oversized rotors increase efficiency by 60%
- Low rotational speed leads to reduced wear
- Triple lip shaft seals ensure leak-free operation

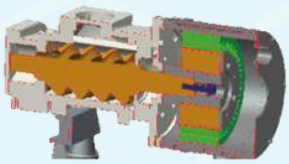


Permanent magnet motor

- IE4 PM Motor offers the highest level of efficiency
- IP65 sealed motor prevents dust ingress
- Oil cooled motor ensures adequate cooling even in the harshest of environments
- Bearing free design means no bearing maintenance

Direct coupled motor & airend

- 1:1 Direct Drive means no belt to maintain
- No gearbox or transmission losses
- Reduced noise over belt driven machines





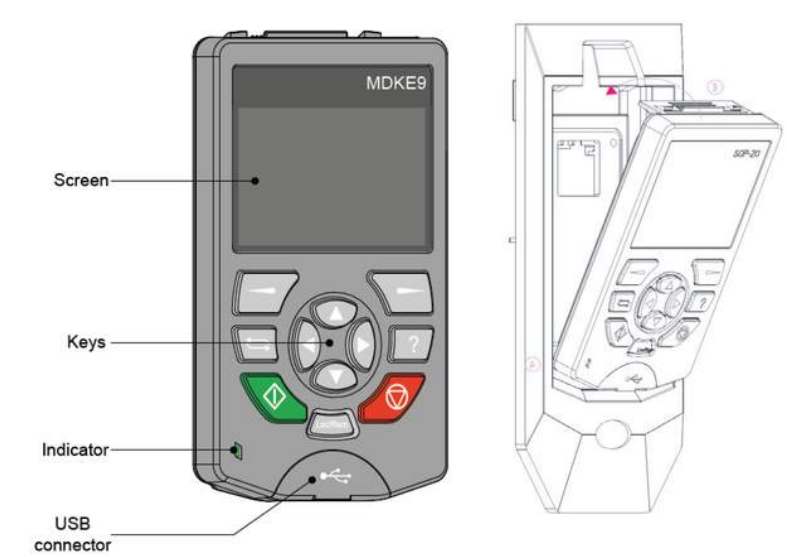
Easy access for maintenance

The Simple design means that all internal components are easily accessible

- Solid seamless steel pipework eliminates the risk of perished hoses
- Low component count increases reliability and service cost
- No drive belt maintenance

Low noise operation

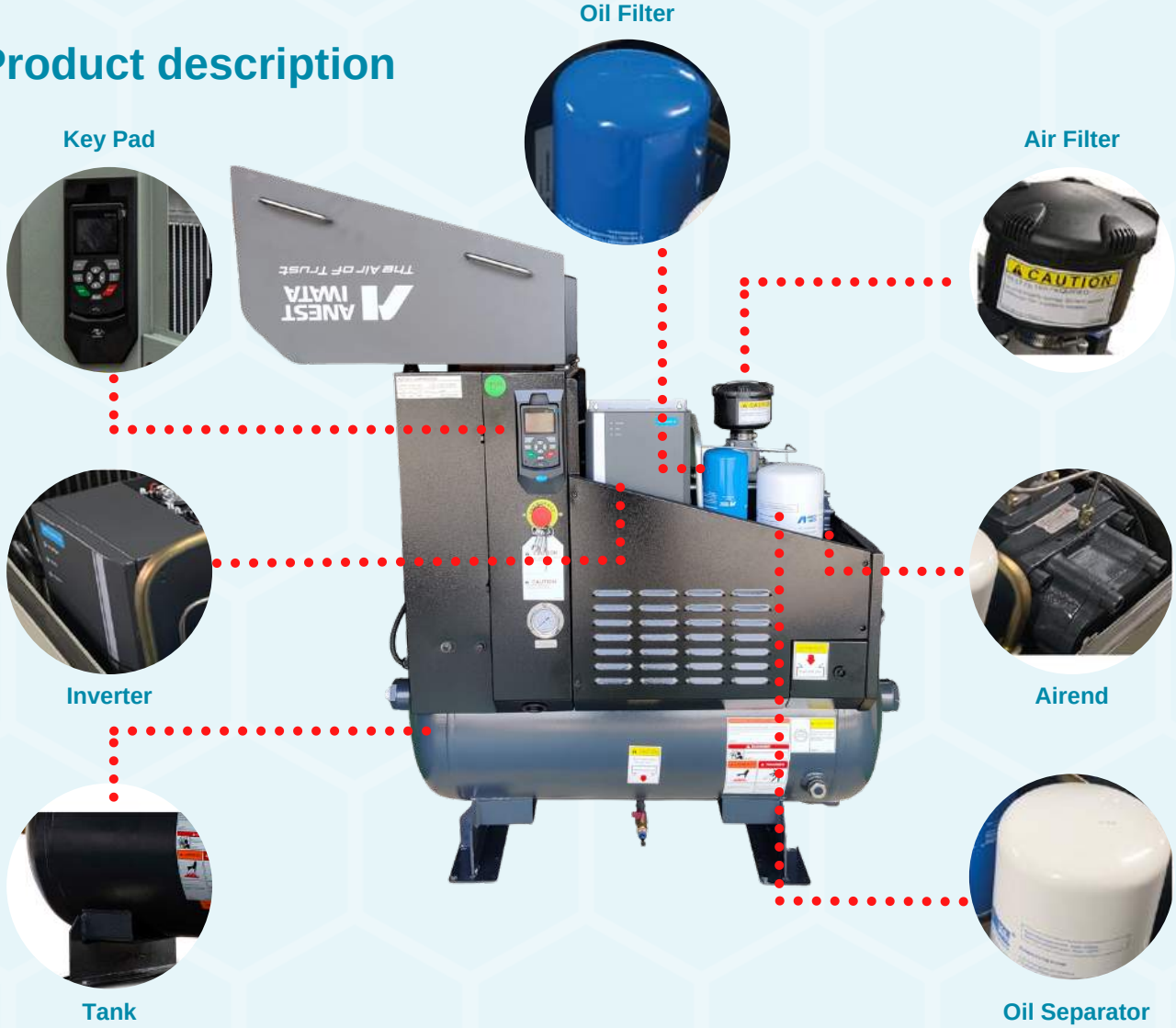
- The PM motor and VSD lead to low noise operation
- Ideal for installing in the workplace
- Direct Drive reduces transmission noise levels



User friendly controller

- **Full-text user-friendly controller**
- **Plain text simplifies menu navigation**
- **Dedicated compressor software imbedded into the VSD simplifies commissioning, settings, and maintenance timers**
- **Ability to schedule start and stop times reduces energy through reduced running hours**
- **Unique removable ethernet cable connected controller. A controller can easily be relocated outside the machinery room.**

Product description



Unique patented air receiver and oil tank



- A unique labyrinth structure enables a small section of the receiver to be used as an oil tank, reducing manufacturing costs
- This design also reduces the machine size, weight, and footprint

Small, Compact and Flexible

The unique design of the LRST compressor makes it ideal for workplace installations, where space availability is a constraint.

- The flip-top design offers easy access to consumable parts from the front
- No need for rear machine access
- Can be located close to a back and sidewall
- No rear ventilation airflow required

Technical Specifications

Model	kW	HP	Capacity (m3/min)	Capacity (CFM)	Pressure (Bar)	Noise Level (dB)	Dimensions (mm)	Tank Size (ltr)	Outlet size (Inch)	Weight (kg)
LRST-7503-415	7.5	10	0.41 - 1.1	14 - 39	8	67	1197 x 500 x 1125	130	RC 1/2	280
LRST-7501-415			0.35 - 0.95	12 - 34	10					
LRST-1103-415	11	15	0.69 - 1.70	24 - 60	8	68	1197 x 605 x 1220	130	RC 1/2	320
LRST-1101-415			0.6 - 1.5	21 - 53	10					
LRST-1503-415	15	20	0.92 - 2.3	32 - 81	8	69	1197 x 605 x 1220	130	RC 3/4	340
LRST-1501-415			0.8 - 2.0	28 - 70	10					

Note :

- **Standard Voltage is 415V/50Hz**
- **Free Air Delivery (m^3/min / cfm) is measured as per ISO 1217: 2009 - Annex C**
- **Mean noise level measured at a distance of 1 m according to ISO 2151: 2004 using ISO 9614/2 (sound intensity method); tolerance ±3 dB(A)**
- **All performance parameters are as per JIS (Japanese Industrial Standards)**
- **Standalone Refrigerated Air Dryers, Heatless Air Dryers, Oil Removal Filters, and Auto Drain Valves are also available upon request**
- **Specifications may change without prior notice**



Engineering Capabilities & Customised Solutions.

We at Anest Iwata Motherson (AIM) are committed to delighting our customers. Our state-of-the-art Air Energy Core Technology Centre located in Yokohama, Japan works relentlessly on innovations and technologies that add value to our products and make us ready to serve our customer's future needs. It is our customer's trust in us that we have developed many "World's First" products.

Always Ahead with Anest Iwata!

Innovation driven World's 1st products



Oil Free Reciprocating Compressor



Oil Free Scroll Compressor



Oil Free Booster Compressor



Oil Free Scroll Vacuum Pump

Anest Iwata Australia Pty. Ltd.



Reciprocating



Screw



Scroll

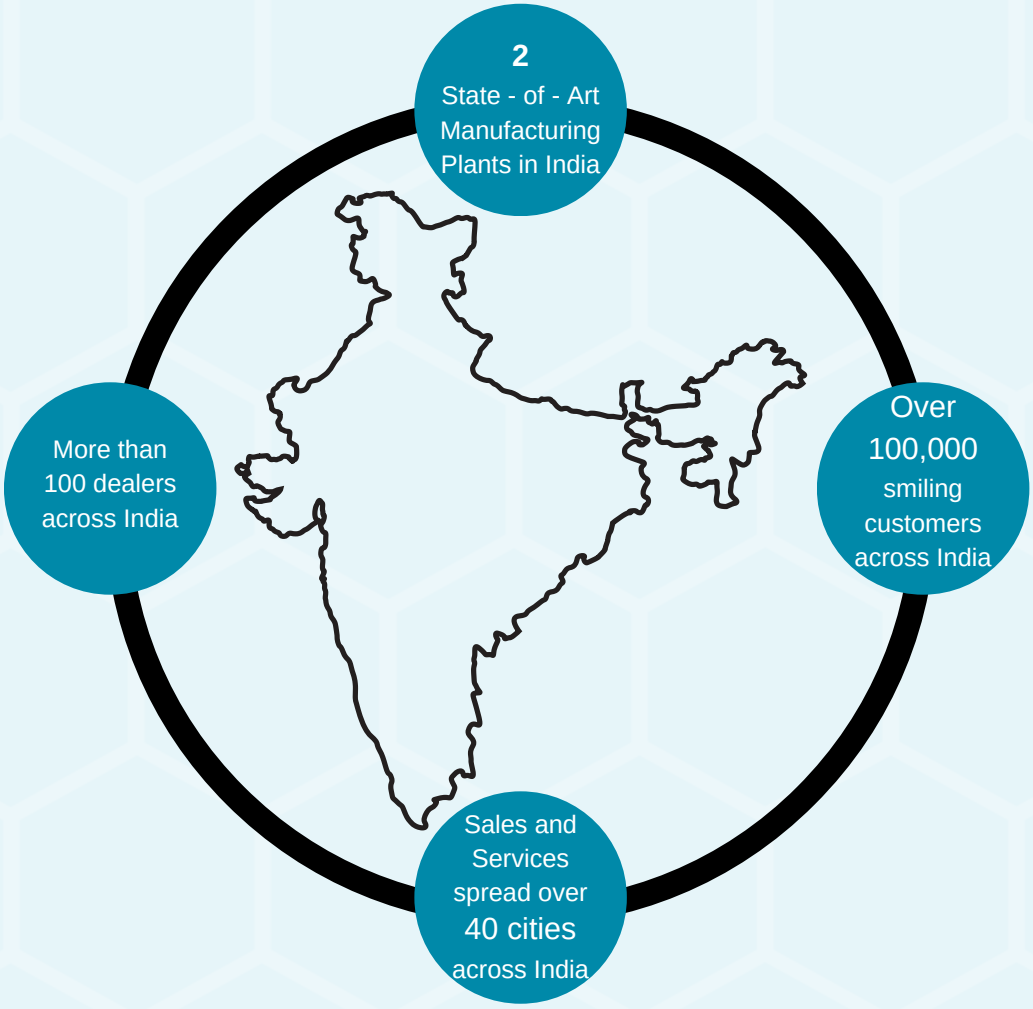


Claw

Compressed Air Solutions in all Technologies

ANEST IWATA motherson

Active with Newest Technology



ANEST IWATA motherson

Anest Iwata Motherson Pvt. Ltd.
B-123 & 124, Sector-63, Noida - 201301,
Distt. Gautam Budh Nagar, UP, India.
Email: anestiwata@aim.motherson.com
Web: www.aimcompressors.com

CE JIS ISO-9001

For any details reach us at:
Head Office: +91-120-4600-500/510/512/517

North	**:**	**+91-9910394044**	**+91-9871362399**
East	**:**	**+91-9990023423**	**+91-9560806653**
West	**:**	**+91-9899553648**	**+91-9850993326**
South	**:**	**+91-9940654560**	**+91-9866000499**

AUTHORISED CHANNEL PARTNER

Proud to be part of samvardhana motherson