

Partner's Desk

If last year was a busy time for our company, the previous six months have been fast-paced and action-packed. The 2nd Covid wave in India and the Oxygen crisis dominated the headlines from April to June. As the country's leading Medical Oxygen cylinder valves manufacturer, we responded by diverting over 75% of our capacity to support the oxygen supply chain. We will discuss the Oxygen crisis and our response in detail in the next section.

We have significantly ramped up capacity to cater to our customers. Demand for Medical Oxygen valves continues to be robust in India, Southeast Asia and Africa, and catering to the medical sector continues to be our highest priority. Still, other sectors are not lagging after having slowed down due to the pandemic. We are committed to further invest in technology, plant and machinery to service our customers in a timely fashion in the coming days.

We have been chosen as an exclusive vendor to supply 1,00,000 Medical Oxygen Cylinder valves for Oxy Care System developed and manufactured by Bharat Forge and funded by PM Cares, designed by Defense Research and Development Organization (DRDO), Ministry of Defense, GOI in a record time of less than 100 days.

Last but not least, we are pleased to complete 50 years in the gas industry. Our journey is a celebration of entrepreneurship, the pursuit of excellence and commitment to safety. We thank all our stakeholders and invite them to join the planned events in December to mark the milestone.

To watch the video [click here](#)



N.K. Behani



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2nd COVID Wave & Oxygen Crisis

COVID cases started rising in March, signalling the start of the 2nd COVID wave in India. Still, we only started witnessing a sudden spurt of requests for Medical Oxygen cylinder valves on 19th April and were completely swept off our feet for the next eight weeks. The first SOS for urgent deliveries of Medical Oxygen valves came from a large cylinder manufacturer. It was followed by calls and emails from several of our existing and potential customers. By the end of April, the Oxygen crisis was the biggest news in the country, and it was evident that we needed to take drastic measures to meet the demand and support our customers. **We diverted 80% of our capacity to manufacture Medical Oxygen cylinder valves and set up a green priority corridor to ensure that any bottleneck in the manufacturing of Medical Oxygen cylinder valves gets the topmost priority.**

We supported Adani Group and Tata Steel, which imported thousands of filled Oxygen cylinders from Saudi Arabia, in the last few days by designing and supplying adapters to convert CGA 540 outlets to IS-3 outlet connection used in India. We also supplied 6,000 Oxygen cylinder valves in record time for cylinders imported by Delhi Government.

During the crisis, we guided government agencies and customers unfamiliar with Oxygen on the valve selection, specifications and usage involving a change of cylinder valves to meet Indian conditions required for using imported Oxygen cylinders in service.

By the time the Oxygen supply stabilized in India, we had received unprecedented demand for Medical oxygen valves from Sri Lanka, Malaysia, Thailand and the Philippines. Our team worked round the clock to ensure that we supported all our national/international customers by rising to the occasion without taking any advantage of the precarious demand/supply situation that prevailed in this period.



Golden Anniversary Celebrations

Tekno Valves is 50 years young...

Tekno Valves, was founded with the encouragement and vision of **Dr Mahadev Prasad Maheswari (1914-1989)**. A special event is planned at the factory premises to pay homage to our inspiration in December in presence.

We express our heartfelt gratitude to all our customers, suppliers, employees, and other stakeholders, without which this milestone would not have been possible. We have planned a series of events on 6th /19th /26th December to mark this occasion.



Our Inspiration - Dr. M.P Maheswari

New Logo

We have kickstarted our celebration by revealing our new logo in our social media accounts on 11th August.

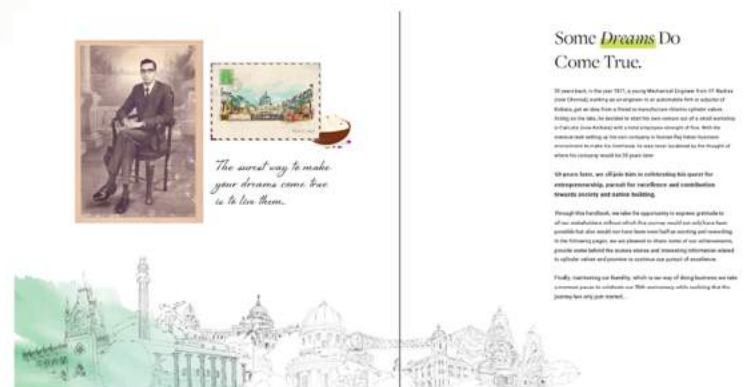
Check out our new logo reveal [click here](#)



Coffee Table Book

We shall release a commemorative handbook to mark the occasion that celebrates Tekno Valves' 50 years of achievements, shares the team's joy and subtly promotes the brand's legacy and core pillars (Safety, Global and Relationship).

The coffee table book format will contain personal anecdotes & milestones that rejoices the past & embraces the future.



New Website

We have launched our new website, which showcases our 50 years journey, and takes the visitor behind the scenes of how Tekno valves are manufactured and has a special feature on design testing of cylinder valves. The blog section is another interesting feature in which we share our learnings and experiences with the industry.

Check out our new website [click here](#)



Our Safety Commitment

Safety has been our driving mantra in everything we do. Safety is built-in in our products in every process. We congratulate our team for embracing safety. We have reiterated our commitment to safety by receiving the ISO 45001:2018 certification from DNV.



CNC Fire Suppression System



Our CNC machines got a companion to help keep it safe. The newly installed Fire Suppression System automatically detects and suppresses fire by releasing high-pressure carbon dioxide in case of any ignition. This investment reaffirms our commitment to keep our people and equipment safe.

MEET OUR NEW SAFETY MANAGER

Mr. Rajarshi Ghorai, our Safety Manager with his expertise and eight years of experience in Industrial Safety successfully, led the ISO 45001 certification project. He is a 30 year young professional, who apart from ensuring healthy and safe working conditions at Tekno Valves, also enjoys watching documentaries and surfing on Quora.



Health & Safety Initiatives

COVID-19 Vaccination Camp



Our COVID-19 warriors got their first dose of the Covishield vaccine on our premises, under authorization by the Chief Medical Officer of Health, North 24 Parganas, in collaboration with Medica Superspecialty Hospital. A dedicated medical team of 13 officers conducted the immunization under the specified guidelines of WPCVC (Work Place Covid Vaccination Camp) and recorded it in real-time through the Co-WIN Vaccinator module.

A total of 221 employees have been successfully vaccinated, making the whole process convenient and free of charge for our team's health and safety.



7th Health Check-up Camp

Health Check-up was organized on 4th & 6th September 2021 in collaboration with Medicity Speciality Laboratory Pvt. Ltd to carry out - Lipid Profile, Liver Function Test, Blood and Glucose test for all employees.

Scaling up Capacities

We are proud to showcase our new equipment and technologies.

High Speed Vertical Machining Centre



Make - Makino
 Model - PS 65 with 30 Tool ATC
 Spindle/ Motor - 14000 rpm/ 30 kW
 Feed - 30000 mm/min

Precision Milling & Engraving Machine



Make - Toolcraft
 Model - BR5535 NP +
 Spindle/ Motor - 24000 rpm/ 2.2 kW
 Feed - 10 mm/min

Turn Mill Centre with Y-axis



Make - Tsugami Precision Engineering
 Model - M08DY-II
 12 station VDI Turret
 High rigidity integral spindle/Motor - 4500 rpm, 11 kW
 MAX live tool speed/Motor - 5000 rpm, 3.7 kW

Laser Marking Machine



Make - Agile Machineries Pvt. Ltd.
 Model - ATF/100/ENC
 Laser power - 100 Watt (IPG)

Close Circuit Solvent Degreasing Machine



Make - Union S.p.A.
 Model - MDMV-2HC with Double Cascade Distiller
 2000-Watt Ultrasound System
 2-stage Filtration (400 micron and 50 micron)
 Double Activated Carbon Purifier

Training

In July, **Manas Roy**, In Charge - Tool and Die Shop, received a **5-day Training at Makino Technical Centre**, New Delhi, on the Application & Demonstration of Forging Die Cavity Machining on VMC Model PS-65.



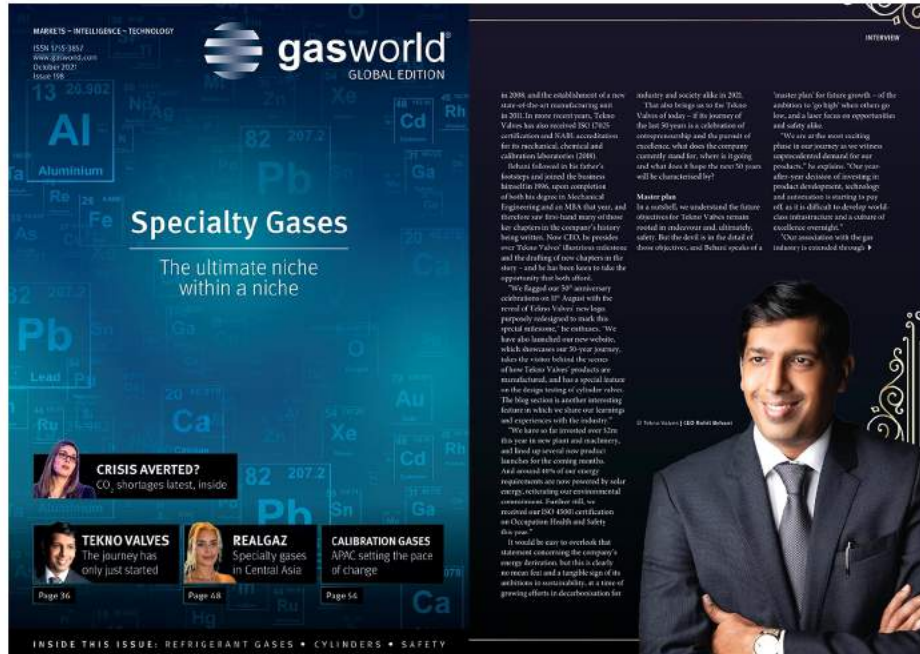
We congratulate our Design Manager, **Ms. Purba Halder** on becoming **ISO 9001:2015 certified Lead Auditor.**

We congratulate **Mr. Sayan Maikap**, Assistant Manager - Quality and **Mr. Satyajit Pratihari**, Assistant Manager - Maintenance on becoming **ISO 9001:2015 certified Internal Auditors**



Media Coverage

Rohit Behani speaks exclusively to Gasworld



As Tekno Valves turned 50 this year and we prepare to celebrate the milestone, our CEO Rohit Behani speaks exclusively to Gasworld on the journey so far and the road ahead.

To read more [click here](#)

Swept-off our feet by India's Covid crisis

Gasworld covers Tekno Valves' response on Medical Oxygen crisis in India.

"The first distress call and SOS for urgent deliveries of medical oxygen valves came from EKC Limited, who needed over 100,000 medical cylinder valves over the next two months. As India's leading manufacturer of high-pressure gas cylinder valves, we soon started receiving calls from MNC's and other regional and local gas companies, who have since ramped up their manufacturing facilities to meet the sudden demand for medical oxygen. Within 48 hours of the first call, we diverted 80% of our capacity to manufacture medical oxygen cylinder valves."

To read more [click here](#)



Participation in panel discussion organized by HTSI

Our CEO Mr. Rohit Behani, valve expert in BIS, CGA and ISO cylinder valve committees, participated in a panel discussion on 5th June 2021, organized by Heat Transfer Society of India (HTSI) and Linde to talk about the importance of Cleanliness in Oxygen Service. To read more [click here](#)