



## From the Desk of **Managing Partner**

We are pleased to present our first newsletter with the purpose to share relevant, engaging and valuable company information with our customers, employees & all other stakeholders for the financial year 2020 -21.

2020 turned out to be a highly challenging year due to the pandemic outbreak. However, on the other hand, it proved to be a landmark year as Tekno Valves was declared an 'Essential Manufacturer' and exempted from a series of announced lockdowns to support the Medical Oxygen supply chain.

Medical oxygen is considered an essential medicine for treating COVID-19 patients, and the demand for medical oxygen increased manifold as the cases began to rise. Despite limited resources and an environment of unprecedented uncertainty, our team rose to the challenge. We managed to boost the production of medical oxygen cylinder valves to our customers in India and overseas, which was critically required for ensuring the availability of medical oxygen cylinders for COVID-19 patients.



I would like to express my sincerest gratitude to the whole team for their efforts. Together we have managed to make a small but significant contribution to the community & society. In the last twelve months, we have significantly scaled up our production capacity, introduced new technologies and implemented several productivity ideas.

**Mr Y.K. Behani**

Every activity was carried out by implementing and maintaining strict COVID-19 protocols, which continues till date, to ensure the health and safety of all concerned.

I offer my condolences to everyone who has lost their near and dear ones in this pandemic. Yet, at the same time, I look back at this period with great satisfaction. Collectively, we have chosen to make this adversity into an opportunity and transform uncertainty to '**Hope**' - through sheer '**Resilience!**'

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# Tekno Valves & the COVID-19 Response

- After the national lockdown was announced on 24th March, 2020, we commenced manufacturing activities on 30th March after receiving necessary approvals to run the factory, initially with a limited workforce.

## VIEW STORY OF HOPE

- Implemented health and safety measures benchmarked by the Quality Council of India's WASH Certification.
- Diverted capacity to manufacture and supply Gas Cylinder Valves for medical application and breathing purpose and Chlorine Valves required for wastewater treatment and water purification.





# Scaling Up Capacities

We welcome the addition of new equipments



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## Tsugami Turn Mill Centre M08D-II

12 Station VDI Turret  
 ø200 mm Two-Jaw Chuck  
 Least Input Increment: 0.001 mm  
 Travel: X: 260 mm, Z: 400 mm  
 Milling using 0.001° C-axis  
 High Rigidity Integral Spindle/Motor: 4500 rpm, 11 kW  
 Maximum Live Tool Speed: 5000 rpm, 3.7 kW



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## PTFE Tape Dispenser

Model - M7000 (Multi-wrap)  
 Fitting Size Range - 1/8" to 3/4" NPT  
 Cycle Time - 1.5 sec wrap



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## Makino a40

4 - Axis Horizontal Machining Center  
 Tool magazine capacity - 40  
 Maximum RPM - 12000  
 Rapid traverse - 60 metre/min  
 Travel: X-560 mm, Y-640 mm, Z-640 mm  
 360° B-axis with 0.001° indexing



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## O-ring Installation Machine

Model - ASP-1 (External Seal System)  
 Digital and Resettable Counter  
 Simple Tooling Head Change  
 Suitable for O-ring size - 3.80 mm to 29.36 mm OD

# Design & Development

We have successfully rolled out several new products

## RBA-10/I

HANDWHEEL OPERATED  
RIGHT-ANGLED BREATHABLE

Release Date - February 2021  
Certification - EN ISO 10297:2017 & EN 144-1  
Application - Breathable Air  
Pressure Rating - 360 Bar

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## SSWN-22/V-S3

HANDWHEEL OPERATED STAINLESS STEEL  
CYLINDER VALVE IN PACKED DESIGN

Release Date - February 2020  
Certification - EN ISO 10297:2017  
Application - Ammonia & Amines  
Pressure Rating - 250 Bar

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## BSKN-12/D & BAKN-12/D

KEY OPERATED SMALL ACETYLENE VALVES  
FOR "B" & "MC" STYLE CYLINDERS

Release Date - September 2019  
Certification - EN ISO 10297:2017  
Application - Acetylene  
Pressure Rating - 60 Bar

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## BSKN-12/D30 & BAKN-12/D30

WHEEL OPERATED SMALL ACETYLENE VALVES  
FOR "B" & "MC" STYLE CYLINDERS

Release Date - September 2019  
Certification - EN ISO 10297:2017  
Application - Acetylene  
Pressure Rating - 60 Bar

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## BOWN-12/O

### HANDWHEEL OPERATED OFFLINE RESIDUAL PRESSURE VALVE (RPV) WITH NON-RETURN VALVE (NRV) FUNCTION

Release Date - November 2019  
 Certification - EN ISO 10297:2017 & EN ISO 15996:2017  
 Application - Oxygen & Hydrogen  
 Pressure Rating - 360 Bar

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## BOWN-12/N

### HANDWHEEL OPERATED OFFLINE RESIDUAL PRESSURE VALVE (RPV) WITH NON-RETURN VALVE (NRV) FUNCTION

Release Date - November 2019  
 Certification - EN ISO 10297:2017 & EN ISO 15996:2017  
 Application - Inerts & Argon + CO<sub>2</sub> Mixtures  
 Pressure Rating - 360 Bar

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## BOWN-12/C

### HANDWHEEL OPERATED OFFLINE RESIDUAL PRESSURE VALVE (RPV) WITH NON-RETURN VALVE (NRV) FUNCTION

Release Date - November 2019  
 Certification - EN ISO 10297:2017 & EN ISO 15996:2017  
 Application - Carbon Dioxide  
 Pressure Rating - 360 Bar

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# Golden Anniversary

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2021, is our **50th Year** in business. We have planned a series of celebrations to mark this special occasion in the last quarter of 2021. "Stay tuned to know more"

## Tekno Valves' Green Initiative for a sustainable tomorrow!

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We have successfully installed a solar panels on the roof of our manufacturing plant with a capacity of 400 kW in the first phase, to reduce our carbon footprint and contribute towards environmental preservation.

It consists of 1,197 solar panels and four 100 kW inverters, along with an integrated cleaning system that will help save 29,000 trees and 3,70,000 Kgs of CO<sub>2</sub> emissions annually.



## Social Media

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Keep abreast of all the latest news & developments. As they say, better late than never!  
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[LinkedIn](#) [facebook](#) [YouTube](#)



# Media Coverage

**gasworld** | JULY 2020

Tekno Valves at the forefront of Covid-19 response

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**GAWDA** | JULY 2020

Different types of Cylinder Valves

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**GAWDA** | AUGUST 2020

Markings on Cylinder Valves

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**gasworld** | SEPTEMBER 2020

'Tekno Valves talking North American presence and RPV technology'

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**gasworld** | DECEMBER 2020

'New home for growing manufacturer - Tekno Valves North America on a busy 2020'

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