

5<sup>th</sup> Edition  
**TAGMA**  
INTERNATIONAL  
**Tooling**  
SUMMIT 2020



***Tooling Self Reliance in India  
and New Frontiers of Growth***

***Virtual Conference 2020  
27<sup>th</sup> & 28<sup>th</sup> November 2020***

[www.tagmaindia.org](http://www.tagmaindia.org)

ORGANISED BY:

**TAGMA**  
**INDIA**

**TOOL AND GAUGE  
MANUFACTURERS  
ASSOCIATION - INDIA**

# TAGMA TIMES

NEWSLETTER

(Technical Info. on Die, Moulds & Toolroom)

Print  
Copies  
3000+

Digital  
Copies  
30000+

E-newsletter

E-Magazine

Flip Book

ADVERTISING



**TAGMA times** is the official organ of the association, over the years, since inception in 1993. It has evoked spontaneous support and appreciation from the members & advertisers continuously. It went thru a major revamp in November 2017 in terms of overall look, content and feel.

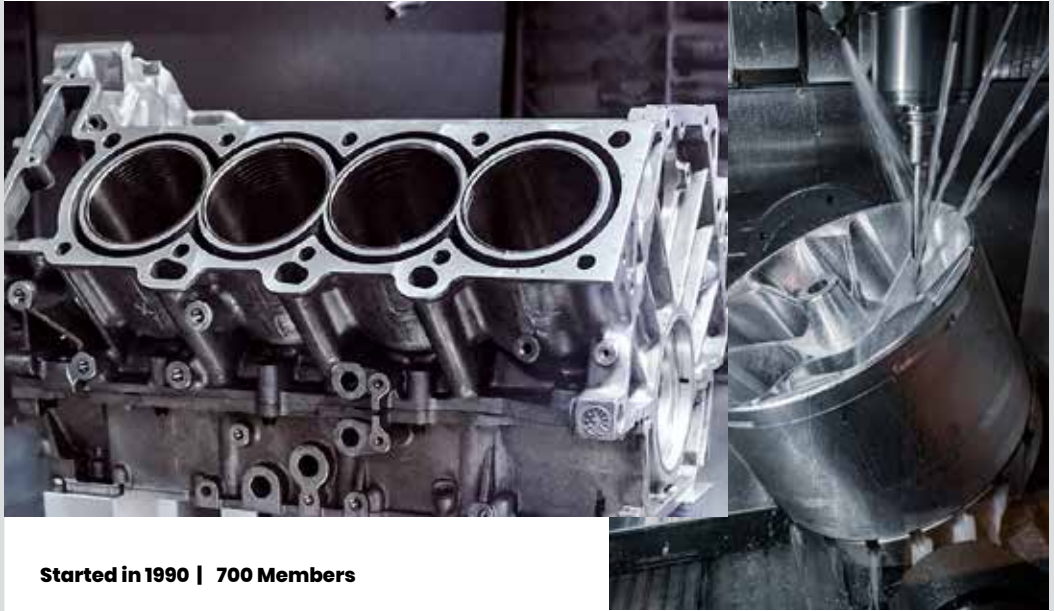
**Magazine Content:**

**Feature Articles:** Trends, Demand Pattern, Competition, Challenges, Opportunities, Requirements, Future Outlook, Global Scenario, Latest Technologies, Importance & Implementations in DIE Mould Industry.

**Special Reports:** Technical briefings on topics like White Goods sunrise sector for Indian tooling Industry, Uncertainties in Auto industry, Digitizing manufacturing of feature, machining perfection to meet next gen tooling demands and so on

**Special Features on:** Indian Railways, Electric vehicles in India, Plastic Packaging, Aerospace Industry.





**Started in 1990 | 700 Members**

**Registered office in Bangalore, Secretariat in Mumbai**

**Chapters @ Bangalore ♦ Chennai ♦ Coimbatore ♦ Hyderabad ♦ Mumbai ♦ Gurugram, Manesar & Faridabad ♦ New Delhi, Noida and Ghaziabad**

**We serve as a forum for the Indian Tool Room & Die and Mould Industry** whose activity involves design, sales or manufacture of dies for pressing, stamping, punching and forming; injection and compression moulds; die casting dies; patterns and pattern equipment; jigs and fixtures; standard tooling components; CAD/CAM; rapid prototyping; gauges; precision machining; special machines and related products.

**Some of the important objectives of TAGMA are :**

- To promote training and the diffusion of knowledge relating to standards in the manufacture of Tools and Gauges to improve the standards or the connected trade therewith or with allied industries and to impart relevant and appropriate training to all those engaged in the manufacture of tools and gauges.
- To promote and encourage improvements in tool room industries for greater efficiency.
- To organize relevant seminars, workshops and exhibitions etc. to impart useful knowledge to the tool and gauge manufacturers.
- To establish, run and maintain a library connected with the industry
- To enhance the contribution of tool room industry to the growth and development of the Indian National Economy and to encourage members to be progressive.
- To publish a directory of members with details of products manufactured and services offered

**We are bonafide members of :**

- ❑ Confederation of Indian Industry – CII
- ❑ Indo German Chamber of Commerce – IGCC
- ❑ FADMA ASIA – Federation of Asian Die & Mould Associations (FADMA)
- ❑ World Trade Centre – MVRDC – WTC

- ❑ The Council of EU Chambers of Commerce in India;
- ❑ Engineering Export Promotion Council [EEPC];
- ❑ India Trade Promotion Organisation [ITPO]
- ❑ Federation of Indian Micro and Small & Medium Enterprises (FISME)

#### **TAGMA initiatives**

- ❑ Periodically conducts **Study of the Indian Toolrooms Industry** and document the research findings to keep track of the developments which is widely shared in enhancing the contribution of this sector to the growth of the Indian economy
- ❑ Publication of monthly journal '**TAGMA TIMES Newsletter**' containing Technical Info. On Die, Moulds and Toolroom and '**Directory**' containing database of Members and Exhibitors during the exhibitions
- ❑ Promote and encourage improvements for competitive growth through
  - ▶ **Diemould India International Exhibition** the most popular mould & die show in India showcasing capabilities of the industry. The 12th edition will be from April 28th to 1st May 2021 at Bombay Exhibition Centre, Goregaon, Mumbai, India.
  - ▶ **International Tooling Summit** India's premier congregation of Tooling Industry providing platform for international and national business leaders to get together and share their opinion with industry delegates present from all around the world. The previous four editions held in Mumbai (2016), New Delhi (2017), Chennai (2018) and Pune (2019) were grand success with quality participation of national and international tooling fraternity.
  - ▶ '**Tooling Tech Show**' jointly with Volkswagen in August 2017 and Toyota in December 2018, with the aim to bridge the gap between suppliers and customers and for all the stakeholders of the eco-system to put across their expectations.
- ❑ Established Online library for members via Internet and Computer Based Training (CBT) modules at **NTTF-TAGMA Library**, Bangalore
- ❑ **TAGMA Centre of Excellence and Training (TAGMA CET)** – pilot project of TAGMA in liaison with DHI, Govt. of India on Industry issues like Common Facility Centres covering Skills, Testing, Technology gaps to enhance competitiveness.
- ❑ **Collaboration agreement** with Canada Association of Mould Makers (CAMM) and Windsor Essex Economic Development Corporation (WEEDC) for promoting trade, technology development and investment between Canada and India
- ❑ **Delegations/Country Pavilion** at the overseas exhibitions.
- ❑ **Facilitators for Joint Venture** by circulating Outsourcing enquiries.





**TAGMA India – Executive Council  
2017 – 2020**

**President**



**D K Sharma**  
Godrej & Boyce MFG. Co. Ltd  
Tooling Division

**Vice President**



**D Shanmugasundaram**  
S & T Engineers (P) Ltd

**EC Member**



**D M Sheregar**  
Devu Tools Pvt. Ltd.



**Gopalakrishnan T S**  
Multiple Special Steel Pvt Ltd



**Paresh Panchal**  
CAM Tools

**Co-opted Member**



**Parveen Satija**  
Stitch Overseas Pvt Ltd



**D Ravi**  
Classic Moulds & Dies

## OUR PARTNERS

### PLATINUM PARTNER

**DMG MORI**



### GOLD PARTNER



**Mazak**



### SILVER PARTNER



**HURCO**  
mind over metal™



PCK-Buderus | Special Steels

**Phillips**



### ASSOCIATE PARTNER

**Mastercam**



### ASSOCIATION PARTNER



Indian Machine Tool  
Manufacturers' Association

**ipi**  
INDIAN PLASTICS INSTITUTE



**D. K. SHARMA****President  
TAGMA**

My dear fellow toolmakers and patrons,

Let me begin by saying that I am a proud representative of the Tooling industry that forms the manufacturing sector's backbone. The tooling industry is often referred to as the mother industry because tools, dies, and moulds are the building blocks for manufacturing industries without which the dream of building world-class products would be far from fulfilled.

The ongoing COVID-19 situation poses a challenge, but the future looks promising for us Tool Makers. The increased focus of the policymakers on the promotion of localized manufacturing through programs like "Atmanirbhar Bharat" and production-linked incentives for different manufacturing sectors will go a long way in achieving the dream of making India a world class manufacturing destination. However, the whole ecosystem of the industry, including OEMs, Tier-I suppliers, Government bodies, and toolmakers, should collectively and cohesively work towards realizing an increased share of manufacturing GVA to the economy.

We have a huge opportunity in front of us, but we must adopt futuristic technologies and nurture the culture of learning and development to be able to compete globally. As the tooling industry is trying to address some pertinent challenges, we seek OEM and Tier 1s support and handholding to overcome hurdles and meet the requisite quality and cost expectations. We take pride in the fact that we can provide **better after-sales-support in a cost-effective manner**. Undeniably, the need of the hour is to work more collaboratively and understand each other's expectations.

Talking about the Government, Policy support is needed on various fronts in order to ensure cost competitiveness in the face of stiff competition from imported moulds and dies. Land availability, high import duty on some of the vital component such as CNC 5-axis machine and tool steel, higher financing costs are some of the vital areas that needs immediate Government intervention.

The world is looking at India as not just a significant consumer hub but also as a cost-economic global export hub by utilizing India as a manufacturing base. With proper support from the Government and OEMs, I am confident that we can emerge as a powerful tooling destination.

Best Regards

DK Sharma  
Mumbai - 27.11.2020

DMU 75 monoBLOCK with PH 150

# TOP-EQUIPMENT FOR THE BEST-PRICE



## PH 150 PALLET HANDLING

up to ten pallets in 150 kg  
transfer weight (250 kg optional)



CELOS

## speedMASTER

36-month warranty on spindle  
unlimited spindle hours  
(20.000 min<sup>-1</sup>, 130 Nm, 35 kW)



Exclusive Technology cycle  
**MPC 2.0 – MACHINE  
PROTECTION CONTROL**

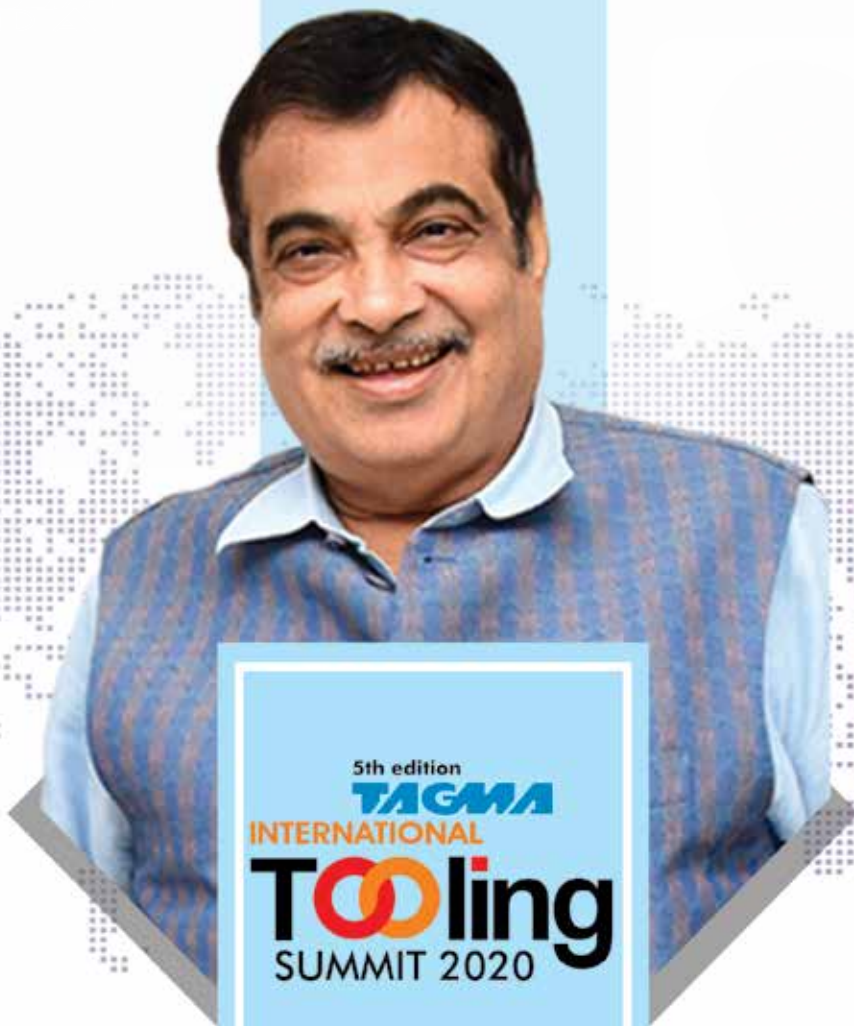
Vibration monitoring and  
machine protection in standard

Find out more about  
DMU 75 monoBLOCK  
with PH 150

[monoblock.dmgmori.com](http://monoblock.dmgmori.com)

**DMG MORI**





5th edition  
**TAGMA**  
INTERNATIONAL  
**Tooling**  
SUMMIT 2020

**INAUGURAL SESSION ON 27<sup>TH</sup> NOV 2020 AT 11.30AM**

**CHIEF GUEST**

**HON'BLE SHRI NITIN GADKARI**

UNION MINISTER OF MSMEs, AND  
MINISTER OF ROAD TRANSPORT AND HIGHWAYS



**MAKINO**

**ONE STOP DIE & MOLD SOLUTIONS**



## **F SERIES**

**HIGH SPEED VERTICAL MACHINING CENTER**

"Dramatically improved productivity for small to medium molds"



## **E SERIES**

**COMPACT VERTICAL MACHINING CENTER**

"Dedicated for Electrode Machining"



## **PS SERIES**

**NEW VERSATILE VERTICAL MACHINING CENTER**

"Harmony within Power, Accuracy and Speed with sustained Reliability"



## **D SERIES**

**5 - AXIS VERTICAL MACHINING CENTER**

"Simultaneous 5-Axis Machining for the Shortest & Best Machined Surface"



## **U SERIES**

**PRECISION WIRE EDM**

"Versatility, low operating cost & user-friendliness"



## **EDAF Hyper i SERIES**

**HIGH PRECISION SINKER EDM**

"Sustainable accuracy for long hour machining"

**Makino India Private Limited**

No.11, EPIP, Whitefield Road, Opp. Satya Sai Baba Super Speciality Hospital, Bangalore 560 066, Karnataka state, India

Tel: +91-80-6741 9500, [www.makinoindia.co.in](http://www.makinoindia.co.in), email id: [info@makino.co.in](mailto:info@makino.co.in)

## **Dr. G. Satheesh Reddy**

**Secretary,  
Department of Defence R&D  
and Chairman, DRDO**



Dr G Satheesh Reddy, currently Secretary, Department of Defence R&D and Chairman Defence Research and Development Organisation (DRDO), is the top Defence scientist in the country. A visionary and institution builder, he has led cutting edge research on Missiles and Strategic Systems, Aerospace, Naval Systems, Materials, Armaments and various niche technologies for defence application. His technology leadership has had a tremendous transformative impact on the development of 'best in class' systems for the country, in particular for the Indian Armed Forces.

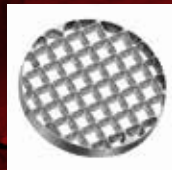
Dr Reddy has spearheaded the conceptualization and realization of many flagship programmes leading to the development and manufacturing of advanced systems for defence of the nation. Under his leadership, DRDO has made rapid strides in design and development of complex and advanced systems that enhance national security. His leadership has generated an eco system among various stake holders viz academia, industry, start-ups etc. to work synergistically and in harmony to shine for self reliant India.

Dr Reddy successfully piloted Mission Shakti, India's first Anti -Satellite Missile and the Hypersonic Missile Tests. Acclaimed as one of the best aerospace scientists of the nation, Dr Reddy is also the Director General of the Aeronautical Development Agency that has developed the 4th Generation Light Combat Aircraft Tejas, which is being inducted into the services.

Dr Reddy's significant contributions in the field of technology development and promotion of scientific pursuit, has resulted in being conferred with Honorary Degrees of Doctor of Science by many leading Universities in the country. He is the first Indian recipient over 100 years to be conferred with the prestigious Honorary Fellowship and Silver Medal by the Royal Aeronautical Society, London. He has received numerous awards including American Institute of Aeronautics and Astronautics (AIAA) Missile Systems Award, First person outside USA to be awarded in nearly four decades. National Aeronautical Prize, National Systems Gold Medal, National Design Award, IEI-IEEE (USA) Award for Engineering excellence and Homi J Bhabha Gold Medal.

Dr. Reddy also pioneered in quickly diversifying DRDO's talent to effectively develop required technologies in the ongoing fight against the Covid-19 pandemic. The construction of the 1000-bedded DRDO Covid Hospital in 11 days bears testimony to his 'never-say-die' spirit, and effectively mirrors his outstanding humanitarian facet.

# High Speed Vertical **DIE & MOULD MACHINING CENTRE**



## *High-Precision Vertical Machining Centre for Die & Mold application*

- Better cycle time
- High metal removal rate
- Handling intricate geometry
- Close surface profile and good accuracy
- Versatility to machine discrete components
- Low vibration, good surface finish and tool life
- Ability to machine tough material above 55 HRC
- High rigidity and sturdy for die machining application



## *Solutions for various sectors*

- PDC dies
- Sheet metal dies
- Rubber dies
- Hot & Cold forge dies
- Auto component dies
- Medical dies (Tablet making)
- Tyre mould
- Plastic injection mould
- Bottle mould



## Ashim Sharma

**Partner & Group Head, Business  
Performance Improvement Consulting  
(Auto , Engineering & Logistics)  
Nomura Research Institute India Pvt. Ltd.**



After completing his B.Tech with Honours in Mechanical Engineering from National Institute of Technology (NIT), Hamirpur, Ashim started his career at Mahindra (Automotive Sector) wherein he worked with in the core team that launched the new Mahindra Bolero in 2007. Thereafter, he went on to do his MBA from SP Jain Institute of Management & Research, Mumbai and joined Tata Strategic Management Group (TSMG) based out of Mumbai. While at TSMG, he was part of the team that was involved in the transformation of Jaguar Land Rover. Most of his work has been for Automotive, Logistics and Engineering industry in areas of overall Business Strategy, New Product Engineering / Development, Technological Readiness, Cost reduction, and Growth Strategies.

Ashim is also a member of the WBSCD India RE Mobility forum and has worked extensively and developed thought leadership in the area of alternate automotive power trains (Electric, Hybrid, Natural Gas, etc.). He is also working on Development of the Industrial Promotion Plan (a JICA funded project) with the Govt. of The Philippines.

NRI Consulting & Solutions is one of the largest consulting firms in Japan with a very strong footprint in Asia. Creating and Innovating the future is part of NRI's DNA. NRI has ~700 consultants globally consultants focused on Strategy & Business Performance Improvement (BPI) Projects.





www.goelsteel.com

Our Partners for Tool Steels  
Authorised Stockist :



GRAPHITE INDIA LIMITED  
(Powder Steel Division)

Hitachi Metals, Ltd.

KIND & CO  
EDELSTAHLWERK

SeAH CSS

sij metal  
ravne

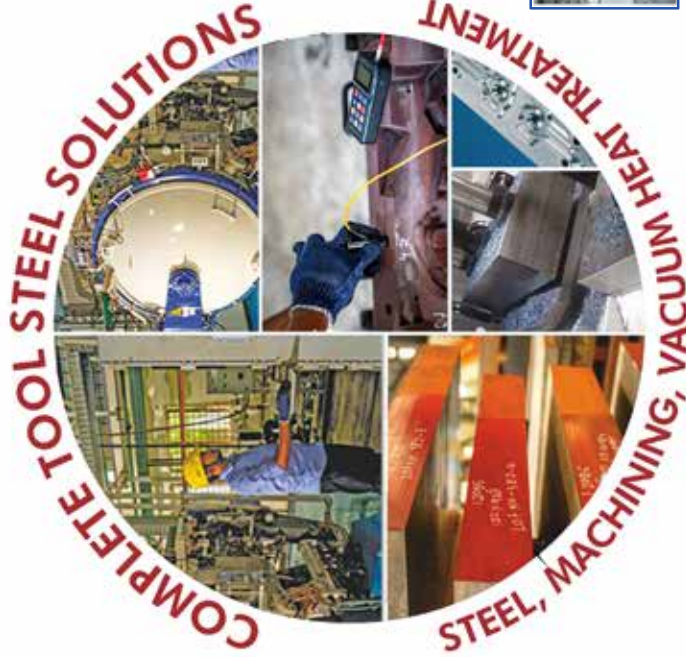


DEUTSCHE EDELSTAHLWERKE

Producing Steel of steel solutions



Competence in Tool Service



## Tool Room & Heat Treatment Services

- Engineering services
- Technical collaboration from Japan.
- Machining/tool room/VMC's to handle upto 2.5tons weight
- NADCA and NADCAP compliant Vacuum heat treatment facilities
- Largest vacuum heat treatment facility in South India, maximum load weight 1.8tons
- Gas Nitriding surface treatment for your dies and components
- Only company in India to have steel/tool room and vacuum and surface heat treatment services under one roof
- Complete tool steel solutions.



## Goel Steel Company

- Unit 1 : Ambattur, Chennai. Ph : 044-42914048 Fax : 044-26254707 Email : info@goelsteel.com / pankaj@goelsteel.com  
Unit 2/3 : Irungattukottai, Sriperumbudur. Ph : 98410 17263 Email : unit2@goelsteel.com / accounts2@goelsteel.com  
Unit 4 : Kundli, Sonapat. Ph : 91362 64467 / 91362 54968 Email : sales@goelsteel.com / accounts@goelsteel.com  
Unit 5 : Talaja, Navi Mumbai. Ph : 022-26730659 Email : saleswest@goelsteel.com  
Unit 6 : Sanjay Steel Syndicate, Tool Room & Heat Treatment Services, Irungattukottai, Sriperumbudur.  
Ph : 044-27156805 Email : production@goelsteel.com / pankaj@goelsteel.com

• ISO 9001 : 2015 Certified.

- Steel Saw, Machining / Tool room / Vacuum heat treatment / Gas Nitriding.
- India's Largest infrastructures for tool and special steels.
- Technical support for steel and Engineering services from the world's best manufacturers.
- Single window for total tool steel solutions.
- Largest vacuum heat treatment services in South India.
- 7 service centres.

## **Rajeev Joisar**

### **Managing Director India Bombardier Transportation India Ltd**



For the last two decades, Rajeev Joisar has been entrusted with increasing responsibilities in various roles ranging from Engineering, Operations, Projects, Strategy, Sales & Bids at Bombardier Transportation in India.

In his current role, Rajeev Joisar is responsible for the end-to-end mandate of business development and sales through to project execution and services, with customer satisfaction and business growth as priorities.

During the last two decades in India, Bombardier Transportation has achieved significant growth from being a rail component supplier to become a full fledged rail transportation company in India having presence across segments.

Rajeev Joisar has been a trusted leader and proven business partner for Bombardier and our customers in India and will nurture and further develop our valuable customer relationships, while growing a sustainable business in India. Rajeev Joisar has in-depth knowledge of the rail transportation business, coupled with strong leadership skills, commercial acumen and project management expertise.

Rajeev Joisar brings vast experience in managing complex multi-site cross-divisional projects. Most recently, his direction and leadership helped the India team to win two major new contracts with the combined value of more than half-a-billion euro. The first was signed in May 2020 for the Delhi-Meerut Regional Rapid Transit System, which includes 210 commuter and local intracity cars, and the second was signed in the first week of July 2020 for the Agra-Kanpur Metro Project, which includes both rolling stock and signalling.

Rajeev Joisar holds a bachelor's degree and is a certified engineer with specialization in Electronics and Communications from a recognized university in Vadodara, India.

Our steel manufacture and casting techniques  
draw upon over a century of tradition.  
It is into this tradition that we weave never-before-seen concepts.

Cold Work Tool Steels

Cold Work Tool Steel  
SLD-MAGIC

Hot Work Tool Steels

Die Steels For Die Casting  
DAC Series

Plastic Mold Steels  
HI-PM Series

Plastic Mold Steel  
CENA1

High Speed Tool Steels

We combine versatile concepts with foundational technologies stemming from tradition - namely, steel manufacture techniques such as YASUGI SPECIALTY STEEL, and casting techniques centered around rolls - to develop cutting-edge high-performance materials. The areas in which we are active are many, and encompass foundational fields such as iron, steel, automobiles and industrial machinery, as well as industries that are showing remarkable growth, such as those of aircraft, energy and electronics. Also, as eco-friendly products, our soft magnetic parts contribute to improving the energy efficiency of a range of devices, and reducing CO<sub>2</sub> emissions.



## Materials Mag'ic

- The red box is the source of the Group's competitive strength.
- The yellow sections represent our technology and structure, enhanced by the ideas and actions of each individual.
- The base of the box is our corporate culture and the building blocks that constitute our DNA.
- Finally, the legs supporting the box itself are the efforts and abilities of each and every Hitachi Metals Group employee.

## Isotropy



Isotropy tool steels are so named because the difference in mechanical properties between its longitudinal (forging or rolling direction) and transverse directions is reduced, thus overcoming a weak point of ordinarily processed steels. This technological concept, which is highly evaluated by users of tool steels, is applied for the production of all our steels and contributes significantly to stabilizing their characteristics and enhance their service life.

## Ajay Kumar Singhroha

**Site General Manager  
Bombardier Transportation India Ltd**



Ajay Kumar Singhroha has been entrusted with increasing responsibilities in various roles in Human Resources starting from Director HR for India to APAC HR at Bombardier Transportation.

In his current role, Ajay is responsible for the end-to-end Operation of Savli Site as well project execution, with customer satisfaction and business growth as priorities.

During the last decade Savli Site of Bombardier Transportation has achieved significant growth and turnaround. Starting from ...being the

- First Integrated Metro Car Manufacturing Site in India that includes Bogies, Car Body, Assembly & Testing.
- First private rail sector player to achieve production of 1000+ Cars & 5000 Metro Bogie Frame production.
- First private sector rail player to successfully execute the biggest export order of 75 EMU trains for Queensland State in Australia.
- Achieve beat rate of delivering 1 car per day. Making it the biggest rolling stock supplier to Delhi Metro – 800 cars

Ajay has been a trusted leader and proven business partner for Bombardier and our customers in India and will nurture and further develop our valuable customer relationships, while growing a sustainable business in India. Ajay has in-depth knowledge of the rail transportation business, coupled with strong leadership skills, people skills and Lean expertise.

Ajay brings vast experience in managing complex multi-site cross-divisional projects. Most recently, his direction and leadership helped the India team to win two major new contracts with the combined value of more than half-a-billion euro. The first was signed in May 2020 for the Delhi-Meerut Regional Rapid Transit System, which includes 210 commuter and local intracity cars, and the second was signed in the first week of July 2020 for the Agra-Kanpur Metro Project, which includes both rolling stock and signaling.

Ajay holds a bachelor's degree in Law and MBA from Symbiosis Pune India.



# HURCO®

mind over metal®



## WinMax® Desktop

## WinMax® Desktop Complete Benefits



### **Accurately quote jobs with compute estimated runtime.**

- » Machine modes accessible: dry run, auto, manual, recovery restart – unlike other software packages, our software runs as a true simulator with all machine modes, such as dry run, etc.
  - Result: compute estimated run time and check program for errors.
- » Software can be set up to represent and simulate any Hurco machine configuration.
  - For example run the software as a machine simulator – 42U, 42 with AB table.
  - You can replicate the machines you have or the machine you want to buy.



### **Eliminate idle time and keep your machine making chips while programming your next job offline.**

- » WinMax Desktop software exactly replicates the Hurco machine control.
- » Import/Export Tool Material Database – provides commonality between machines and offline work stations.



### **Training Tool/Quality Control: review/edit programs created on the shop floor.**

- » Advanced Verification Graphics: with wireframe and 3D solid model rendering, dynamic rotation, zoom, pan, and real time tool display.
- » View graphically, edit, or create part programs (both conversational and NC).



## Ganesh Mani

### Director & Board Members Hyundai Motor India Ltd



As Director and Board Member at Hyundai Motor India Ltd (HMIL), he guides HMIL's Strategy and Operations, and leads the organization's initiatives towards a successful and meaningful future. Also, he oversees the entire Passenger car and Powertrain manufacturing cum new model projects, logistics for Domestic and Export Markets.

He leads a vibrant team of 14,000+ members motivating them to achieve operational excellence and deliver superior quality, ensuring HMIL's top ranking among the 33 plants of Hyundai Motor Company across the world.

A firm believer of using technology for sustained excellence, he spearheads the application of Big Data Analytics, VR and AI in Manufacturing at Hyundai Motor India.

- Championed the 'My Place My Pride' innovative voluntary program at HMI, received global recognition "Change and Innovation Leaders award" from Hyundai Motor Group's Chairman
- Led the core team at HMIL to win the prestigious 'Indian Manufacturer of the year award' by Frost and Sullivan for three years and the 'Smart Factory award' in the maiden attempt. Under his leadership various sustainability practices and industry 4.0 initiatives put in place in Hyundai Motor India which led to "IEI Industry Excellence Award 2019".
- Institute of Engineers (India) felicitated Mr. Ganesh Mani with "Eminent Engineer" award in 2019 for his illustrious career and contribution to Automotive Industry
- Chitkara University - Punjab, presented Mr. Ganesh Mani with Doctor of Literature (D.Litt) Honoris Causa in 2020 for his Exemplary contribution to Business, Education, and Humanity
- He was also conferred with the Intrapreneur Award by Decision Sciences Institute (DSI), Houston
- His inquisitive quest and passion in the field of automobile field and rich experience has resulted in 7 copyrights / patents, and publication of papers in reputed journals like Global Business Review.

Mr. Mani is a Mechanical Engineer by qualification, and also holds an MBA degree with double Gold medal in Operations Management, from Management Development Institute, Gurgaon. He has a rich and wide experience of 30+years across multiple functions in the Automobile industry.

He worked as Vice President in Maruti Suzuki India Limited and had spent over 25 years across various functions.

# Engineered Tooling Solutions



Established in 1964, L&T Electrical & Automation's Engineered Tooling Solutions business has honed its expertise in precision tooling over five decades. We offer world class, technology driven solutions for

- New Product Development
- Capacity Augmentation
- Life Cycle Management

We build tools to the highest quality standards in our world class climate-controlled facilities equipped with state-of-the-art machines, design & manufacturing software.

Injection Moulds for  
Thermoplastics and Thermosets



Compression and Transfer  
Moulds for Thermosets



Die Casting Dies  
for Aluminium and Zinc



High Speed  
Carbide and HSS Lamination Dies



Progressive Dies and  
Stage Tooling



Multislide Tools



#DNAUnchanged

## Engineered Tooling Solutions

### Business Development

Mobile : +91-90470-21932 | +91-97735-20477 | +91-799026-7832

Email : Omkar.Rao@lntebg.com | Sankalp.Pantalekar@lntebg.com

Pavan.Sureja@lntebg.com

Website : www.lntebg.com

Scan To Play Video



L&T Electrical & Automation

# Akshay Sangwan

**Director  
(Development & Commercial)  
International Tractors Limited**



Akshay is Director (Development & Commercial), International Tractors Ltd. (ITL). Mr. Sangwan is responsible for major thrust area for Sonalika Group & its sister concerns.

Akshay is the Executive Director, International Cars & Motors Ltd (ICML) and Sonalika Industries – part of the Sonalika Group. These businesses focus on various segments of the automotive and farm implements sector. His key focus areas are advancing the existing businesses of the group and developing new sectors of opportunities.

He is also responsible for forging tie ups with potential domestic and overseas partners in the space of automobiles, commercial vehicles, engine technology, auto components and farm implements.

Akshay studied Mechanical Engineering specializing in automotive and powertrain technology from CITM and served as President (student council) of Indian Society of Technical Education (ISTE). He went on to do his MBA from Narsee Monjee Institute of Management Studies (NMIMS), Mumbai wherein he was selected as the Research Scholar. During the course of education and afterwards, he underwent a series of trainings at various automobile companies like Maruti Suzuki, Yamaha, ITL and M&M in the areas of production, assembly, R&D and management.

He joined Sonalika Group in April 2010 after a successful stint at Mahindra Navistar Automotives Ltd. (MNAL), a joint venture between M&M and Navistar Group of USA for development and production of a commercial vehicle range.

He is President – HLMIA (Hoshiarpur Large & Medium Industries Association and represents ICML in SIAM.

He is passionate about soccer and has represented his institutes in various tournaments. He enjoys travelling and photography as a hobby.

# ***Mastercam***® 2021

**AVAILABLE NOW.**



SCAN QR CODE TO KNOW MORE



**Mastercam India**

303 - Tower 1 | World Trade Centre, Kharadi, Pune - 411014  
+91 7378 55 2000 | [marketing@mastercamapac.com](mailto:marketing@mastercamapac.com)

# Bhupender Saharan

**CEO**  
**VVDN Technologies Pvt. Ltd**



Bhupender Saharan is one of the founders and chief executive officer of VVDN Technologies Pvt Ltd. Bhupender, for more that 12 years, has helped define and implement VVDN's strategy and growth. He also serves on the company's board of directors. An industry veteran, Bhupender has an overall experience of more than 20 years.

Bhupender oversaw VVDN's investment in technologies, RnD and manufacturing that propelled VVDN into the mainstream. During his tenure as chief executive officer, VVDN became a premier ODM in cloud managed products including 5G and Datacenter, Networking and Wifi, IoT, Vision, Cloud and Apps

He has also spearheaded the Company's decisions including setting up of its own SMT, mechanical molding factory, and Product assembly –manufacturing facilities. Recently VVDN inaugurated its **Global Innovation Park, Manesar** – a hub for technology innovation and electronic manufacturing in India. These decisions has helped expand VVDN's business far beyond being a service company and accelerated the journey to become the one of the leading ODM Companies based out of India doing end-to-end product design, development and manufacturing all under one brand.

Prior to VVDN, Bhupender was the CEO at E-Con Infotech, where he oversaw the embedded hardware and software business of the company and expanded from Networking and Telecom to Camera and Video domains. Before E-Con, he has also led a system engineering team across three different centers at GDA Technologies. The team was responsible for developing/optimizing device drivers for various embedded platform, development and customization of the Linux kernel and open source software, writing device drivers for various chipsets etc.

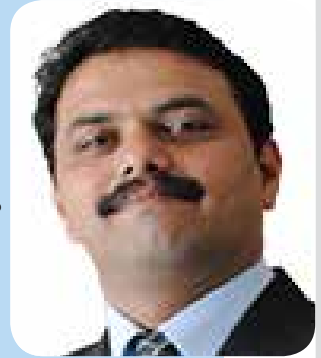
Bhupender is also an active speaker in various business conferences and technology forums. He is a member of Indian Chamber of Commerce and India Cellular & Electronics Association.

Bhupender holds a Bachelor degree in Electronics & Communication.



# Pravin Shirse

**Country President India & Regional Executive,  
India & South East Asia  
Oerlikon Balzers Coatings India Pvt. LTD.**



**Educational Qualification:** Engineering in Industrial Electronics  
MBA Production – Indian Institute of Management Pune  
Balzers Outstanding Leadership Development (BOLD)  
from University of Saint Gallons Switzerland (Year 2002 – 03)

Joined Oerlikon Balzers in 1994 as a Project Engineer, later as the Head of Production & Technology and established a strong foot print with 09 coating centers in India. Additionally, given charge as Managing Director for Singapore where further expanded the business by adding coating centers in Malaysia & Philippines.

Active in the Oerlikon Balzers Asian Business Development for China and Thailand, Vietnam, Singapore and Malaysia in supporting the training, expansion and cross border business activities.

His valuable contribution for promotion of state of the art PVD coating technology in India and the concept of "One Stop Shop service" in India which is now a global model for reconditioning of tools.

Due to the confidence in his leadership shown by Global Management Team Pune has a dedicated Customer Support Centre well equipped with state of the art cutting & testing laboratory. This is one of its kinds of facility in the world after Liechtenstein.

He was instrumental in setting up tool and component coating facilities across 5 countries which includes South East Asia (Singapore, Malaysia, Philippines and Thailand and Vietnam).

**Areas of interest / hobbies :-**

He is passionate about Indian Performing Arts & Classical Music . He has taken up many initiatives to support the conservation and promotion of Indian Classical Music.

# Dr. Andreas Reiter

**Head of Business Line Forming Tools  
Master of Engineering in Material Sciences.**



Started his career in the R&D on Physical Vapor deposition (PVD) coating development of Tungsten carbide carbon and Diamond like Carbon Coatings on Precision Tooling's

Instrumental in development of new products for Metal forming & Plastic + Aluminum Die Casting

# THE BEST SOLUTION TO VALIDATE YOUR MOULDS AND DIES



MILLUTENSIL spotting **presses** provide the most advanced technology for testing and proving the quality of your moulds and dies.



**NEW!**  
**SIEMENS TABLET**  
and the unique app MyMILL®  
for spotting moulds



**12th DIE & MOULD INDIA  
INTERNATIONAL EXHIBITION**

**28th April to 01st May 2021**

Bombay Exhibition Centre, Goregaon, Mumbai, India



**MILLUTENSIL®**  
SINCE 1955

Plant Via delle Industrie, 10  
26010 Izano (CR) - Italia  
info@militensil.com  
militensil.com

Office Corso Buenos Aires, 02  
20124 Milano - Italia  
Tel. +39 02 29404390  
Fax +39 02 2046677

# Dr. Alexander Baesgen

**Head of Tooling Technology  
Oskar Frech GmbH & Co. KG**



## Educational Qualifications :

- Diploma in Foundry Engineering
- Doctor Degree in Foundry Engineering and Metallurgy

## Relevant Experience :

- Working at Oskar Frech since 2018
- 2014 – 2018 President of an engineering company, four employees. Design and manufacturing of prototypes in sandcasting, gravity die casting and HPDC. Foundry consulting; experience with iron, copper and aluminum alloys.
- 2011 – 2013 Quality Manager in an iron foundry
- until 2011: Research assistant at Aalen University of applied science

## Awards & Recognitions :

- Development and implementation of a technique using hypereutectic AlSi-alloys (AlSi-17Cu4Mg) in high pressure die casting for producing wear resistant machine and automotive casings.
- Organisation of many successful projects to reduce scrap rates in foundries.
- Very experienced in organisation of tooling, trial casting up to machined and pre-assembled castings.
- Consulting for internationally operating foundries.
- Using Magmasoft for challenging and complicates tool - and castig layouts.

Language Skills : German, English

# MITSUBISHI NC EDM SYSTEMS

## SG Series

**SG**  
series

**Maisart**

**D-CUBES**

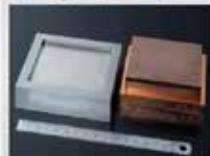


### Machining accuracy

Refer to P14-B

Respond to diversifying manufacturing requirements. Mechanical structure that realizes stable production performance

- High rigidity construction is realized by structural change of cast and Middle-Large area machining performance is improved (withstanding thin electrode result).



- Automatic depth recognition and stable servo control using "Maisart" make uniform surface finish.



### Productivity

Refer to P15-16-B



#### IDPM3

- Machining speed is up to 50% faster with the combination of highly accelerated (1.6G) jump control and adaptive control "FORM2".
- Suppresses edge wear enables single electrode machining. Electrode cost, setup and machining time are significantly reduced.



#### Maisart

- Optimize the jump length according to the machining dimension and shape.
- Automatically recognizes distinct depth of machining to improve stability.
- Jump machining reduces machining time by up to 30%.



### Workability

Refer to P17-18-B



- The machine has a large working tank and optimum layout suitable for automation systems (universally designed).
- Visualization of the machine's operation status with the built-in warning light option).
- The elevation tank provides high accessibility to the machine for setup, and is easily automated.
- Working fluid mixing time is shortened.



- Setup time is reduced by faster jog speed. Jog speed is customizable.



### Operability

Refer to P19-22-B

- 19 inch touch screen.
- HMI Screen is like a smartphone, you are able to reset setup screen by "Start-Up menu".
- The Navigation menu supports operation from setup to machining.
- New this operation box is a standard equipment.
- New feature is selected for vector advance that work. Maintenance is easy "Tool" & "Job" menu.





# Muthusezhiyan N

**Principal Counsellor  
CII Green Co**



N Muthusezhiyan is Energy & Environmental Sustainability expert at the CII – Sohrabji Godrej Green Business Centre, Hyderabad, India. He is a Principal Counsellor involved in promoting the "Mission on Sustainable Growth" & "GreenCo Rating System" of CII. He has work experience spanning over 22 Years. He is also a certified Energy Auditor of BEE. He is an Engineer by profession & Post Graduate in Energy Management.

He has been involved in promoting Energy Efficiency, Environmental sustainability & Climate change initiatives in Indian industry. He has been involved in more than 300 energy, water and green audits he had been a faculty for more than 100 training programs on various topics related to Environmental sustainability. He is part of the CII – Godrej GBC's project team and executed several national & international projects on energy efficiency, climate change and Life Cycle Assessment etc. He is a Chevening Fellow from the University of Birmingham on "Economics of Energy".

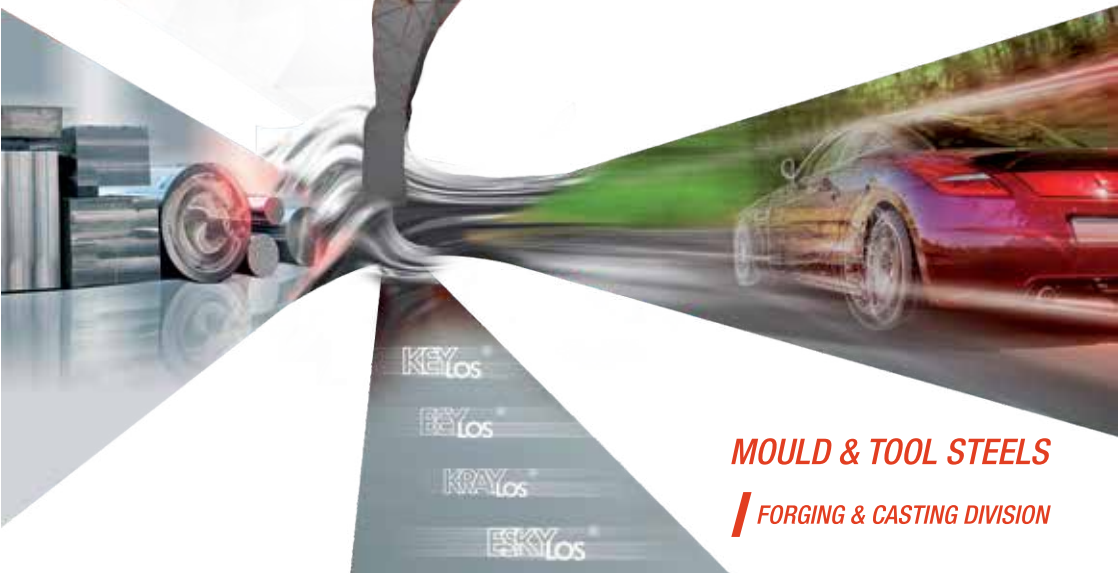


Authorized  
Official Dealer  
for India  
[www.msspl.co](http://www.msspl.co)

*GROUP*  
**LUCCHINI**RS



INNOVATING FOR  
INNOVATORS



KEYLOS

KEYLOS

KEYLOS

KEYLOS

**MOULD & TOOL STEELS**

**FORGING & CASTING DIVISION**

LOOK BEYOND

[www.LucchiniRS.com](http://www.LucchiniRS.com)

# Sabyasachi Sengupta

**CII-Sohrabji Godrej  
Green Business Centre**



Sabyasachi Sengupta is an Environmental Engineer & qualified Lead Auditor for ISO 9001, 14001 and OHSAS 18001; and actively worked as a facilitator for design, implement & maintain "Environment & Occupational Health and Safety Management System(EHS-MS)" for various industries. He has conducted numbers of Internal Audits, and more than 50 training programs on various topics related to Environmental sustainability.

Sabyasachi is working as Senior Counsellor in CII Godrej GBC. He is one of the key members of the movement called "Mission on Sustainable Growth (MSG)" initiated by CII-Godrej GBC, and involved in conceptualizing, development and promotion of new concept of sustainability "Green-Co Rating System". Sabyasachi is also working in various Cleaner Production projects, Waste Management Activities as well as Key facilitator for EHS Management System in Industries. He has work experience of more than 16 years.



## NEW OFFERINGS :

Buderus Brand Name	Type of Steel	Delivered Condition	Application	Replaces what Steel grade
<b>BMS Extra Hard</b>	Alloyed Pre-hardened Mould Steel	H+t to 350-395HB / 37-43 HRc	For Cores and Cavities	1.2738 HH/similar due to better machinability.
<b>2083 ESU</b>	Corrosion Resistant Steel	Soft Annealed to max 230 HB	For Cores and Cavities	1.2083 ESR./ similar due to Higher toughness and better Polishability
<b>2343 ESU</b>	Hot Working Steel	Soft Annealed to max 230 HB	For Cores and Cavities	1.2344 ESR due to higher toughness and better Polishability

## OVERVIEW OF PRODUCT PORTFOLIO:

ALLOYED PLASTIC MOULD STEELS	HOT WORKING STEELS	CORROSION RESISTANT MOULD STEELS
<b>Buderus 2311 ISO-BM</b> H+T to 280-325 BHN	<b>Buderus 2343 ISO-B Mod</b> Annealed to max 230 BHN	<b>Buderus 2316 ISO-B Mod</b> H+T to 280-325 BHN
<b>Buderus 2738 Efficient</b> H+T to 280-325 BHN	<b>Buderus 2344 ISO-B</b> Annealed to max 230 BHN	<b>Buderus 2085</b> H+T to 280-325 BHN
<b>Buderus 2738 ISO-BM</b> H+T to 280-325 BHN	<b>HIPERDIE</b> H+T to 380-425 BHN	<b>NITRO-B</b> H+T to 330-375 BHN
<b>BMS Extra Hard</b> H+T to 350-395 BHN	<b>Buderus 2343 ESU</b> Annealed to max 230 BHN	<b>Buderus 2083 ESU</b> Annealed to max 230 BHN
<b>Thruhard Supreme HH</b> H+T to 310-355 BHN	<b>HWR-MAX</b> Annealed to max 230 BHN	
<b>Thruhard Supreme High Gloss</b> H+T to 310-355 BHN	<b>HWS Supreme</b> Annealed to max 230	
<b>Thruhard Diamond HHH</b> H+T to 360-405 BHN		
<b>Buderus 2711 ISO-B Mod</b> H+T to 350-395 BHN		
<b>Buderus 2767 ISO-B</b> Annealed to max 260 BHN		
<b>Buderus 2379 ISO-B</b> Annealed to max 255 BHN		

*We have got you covered with wide range of materials, let's conquer challenges together*

**Corporate Office :** New No. 84, Old No.13, South West Boag Road, Chennai - 600 017.

Tel : + 91 44 2434 6503 / 2434 1904 Fax : + 91 44 2434 1181 Email : [info@pck-buderus.com](mailto:info@pck-buderus.com)

**Pune Office :** Ware House, Machining Division

Gat no 191-192-193, Alandi-markal Road,

Vadu Khurd, Tal-Haveli, Pune - 412 216.

Tel : + 91 20 6678 3000

Fax : + 91 20 6678 3001

Email : [punewh@pck-buderus.com](mailto:punewh@pck-buderus.com)

**Ludhiana Office :** Ware House

C-1, Industrial Area C, Jaspal Main Road,

Kanganwal, Ludhiana - 141 120. Punjab.

Tel : +91 161 2510072

Fax : + 91 161 6532016 / 6532017

Email : [ludwh@pck-buderus.com](mailto:ludwh@pck-buderus.com)

G-88, SIPCOT Industrial Park,

Vallam Vadagal, Sriperumbudur Taluk,

Kanchipuram 602105, Tamilnadu.

Phone : 044 67119211

Website : [www.pck-buderus.com](http://www.pck-buderus.com)

[www.pck-buderus.com](http://www.pck-buderus.com)

**PCK-Buderus** Your reliable Partner in India for **Buderus** | Edelstahl

# P Ravi Kumar

**Chief General Manager  
NSIC**



Shri. P. Ravi Kumar, presently the Chief General Manager of The National Small Industries Corporation (NSIC), a Mini Ratna company under the Ministry of Micro, Small and Medium enterprises, Government of India. He holds Masters in Management with specialization in Marketing and Finance.

He joined NSIC in the year 1989 and competently discharged various professional assignments in various capacities across India and South Africa and continuing to do so with outstanding records. In the year 2008, he was positioned to Head the Karnataka region and in the year 2010 was elevated to the position of Zonal General Manager to steer the southern states of India. His professional competence spread over a period of 30 years encompasses vital area of our country's economy and development of Micro, Small and Medium enterprises sector. He is also involved in promotion, development and financing of Micro, Small and Medium Enterprises across the length and breadth of India.

Shri. Ravi Kumar has represented and led Business and Trade Delegations to Singapore, U.K, U.S.A, Brazil, Italy, Chile, South Africa, Rwanda and other countries in Europe, Africa, West Indies, Russia, as part of his current endeavor in infusing orientation of MSMEs to overseas markets, facilitation of JVs, technology transfers, sharing of best practices.

He was the key Member of the team for framing Policy guidelines for SME development in the Republic of South Africa. He has presented a papers on "Institutional Frame work on development of SMEs" during the Tri Nations Summit held in Brazil, South Africa and India. He has facilitated sharing of international best practices and Institutional support mechanism for small business development. He has facilitated business linkages among India, South Africa, and European Countries.

He has initiated several steps to create critical linkages between Institutions and Associations engaged in the development of SMEs. He is constantly engaged in the capacity building of various District, State/ National SME associations engaged in the development of this vital SME sector.

In essence, Shri Ravi Kumar is a high caliber professional with repository of knowledge and experience in the field of development and growth of Industries, facilitation of Joint Ventures, International Cooperation and can hold Leadership positions in Government, semi Government, and Foreign Trade Missions. He has got three decades of engagement with all Stake holders of Industry and business sectors.



**3500+**  
Delighted  
Customers  
in India

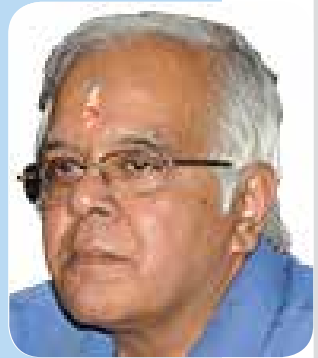
**10000+**  
Machines  
Installed

**1**  
Company  
Does  
it ALL



# A N Raman

**Cost Management consultant**



Graduated in First Class from Madras University. Alumni D G Vaishnav College, Mr A.N.Raman was one among 12 CAs whose life and career made into A book --- FLYING HIGH. Mr Raman is specialised in subjects such as New trends in cost management, Introduction of management accounting systems, Activity Based Costing and Target Costing frameworks, Strategic Cost Analysis, Balanced Scorecard Practices, Environment related and product life cycle costing and Sustainability Costing and Integrated Reporting.

Mr Raman has held many prominent positions globally such as:

- Member of the CII National Committee on Total Cost Management.
- Advisor on the Technical Advisory Board of the Institute of Certified Management Accountants of Sri Lanka.
- Chairman of the PAIB Committee of South Asian Federation of Accountants (SAFA) from 2007 till now. Elected as the President of the South Asian Federation of Accountants (SAFA) in 2011.
- Member of the Professional Accountants in Business Committee of IFAC (PAIB of IFAC) during the term 2010-2012.
- Past Chair of Sustainability Advisory Grp IFAC.

Advisor on the Technical Advisory Board of the Institute of Certified Management Accountants of Sri Lanka.

## WE ARE NOW



We are pleased to inform you that since 22<sup>nd</sup> Sep 2020 our Schmolz + Bickenbach Group has been operating under the new name **"SWISS STEEL GROUP"**.

We are looking forward for our journey with you. "Together. For a future that matters".

We are in the process of registering our name as **"Swiss Steel India Pvt. Ltd."**

Our group mill includes:

### DeutscheEdelstahlwerke



### Finkl Steel



### Steeltec



### Swiss Steel



### Ugitech



### Ascometal



# Dr. M R Ranganathan

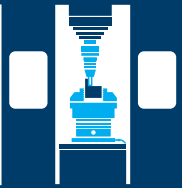
**Founder and Chairman of  
ABK AOTS DOSOKAI**



I have been in Japanese Marketing and Operations in IT and for nearly 25 years. I lived in Japan for 6 years. We have been working with well-known Japanese Companies, like NEC, Hitachi, OKI, Toshiba, Kobelco, Hoya, Konica etc when I was in charge of my companies operations in Japan which helped me, understand and appreciate the Japanese way of negotiations and team working. It also enabled me to have an insight into the Japanese Business etiquette. So I give seminars on Cross Cultural Communications to companies like Diamler, Nissan, TCs etc.

I am the founder chairman of ABK AOTS DOSOKAI the Biggest Japanese Language school in Chennai during the year 1974 with me as the first Japanese teacher and today the school has 3 Native Japanese Teachers and 45 Indian Teachers, many of whom were trained in Japan to be a Language teacher by Japan Foundation. ABK AOTS DOSOKAI Received in 2010 the Ministry of External Affairs of Japan Commendation Certificate for the Outstanding Contribution for the Japan India relationship. I received "Monozukuri Ambassador" award from the President of AOTS Kuwayama san.

Equipped by  
**SCHUNK**



**+ 1:1** interchangeable  
replacing heat shrinking  
toolholders

Hydraulic Expansion Toolholder

T E N D O Slim  max



**+ Up to 5** -sided complete/  
simultaneous machining

Manual Clamping System

KONTEC KSX



**+ Up to 90%**  
set-up cost savings

VERO-S Quick-change  
Pallet System



Superior Clamping and Gripping

**SCHUNK** 

Everything for your  
Machining Center  
More than 7,500 components for  
workpiece and tool clamping.

[schunk.com/equipped-by](http://schunk.com/equipped-by)



# V Chandramouli

**DGM  
SIDBI Bangalore**



Chandramouli Vemuru, an academically strong first class distinction graduate electrical engineer & a development banker with diverse experience of over 28 years in both private and public sector organisations in various geographies across India.

Currently serving as DGM at SIDBI Bengaluru.

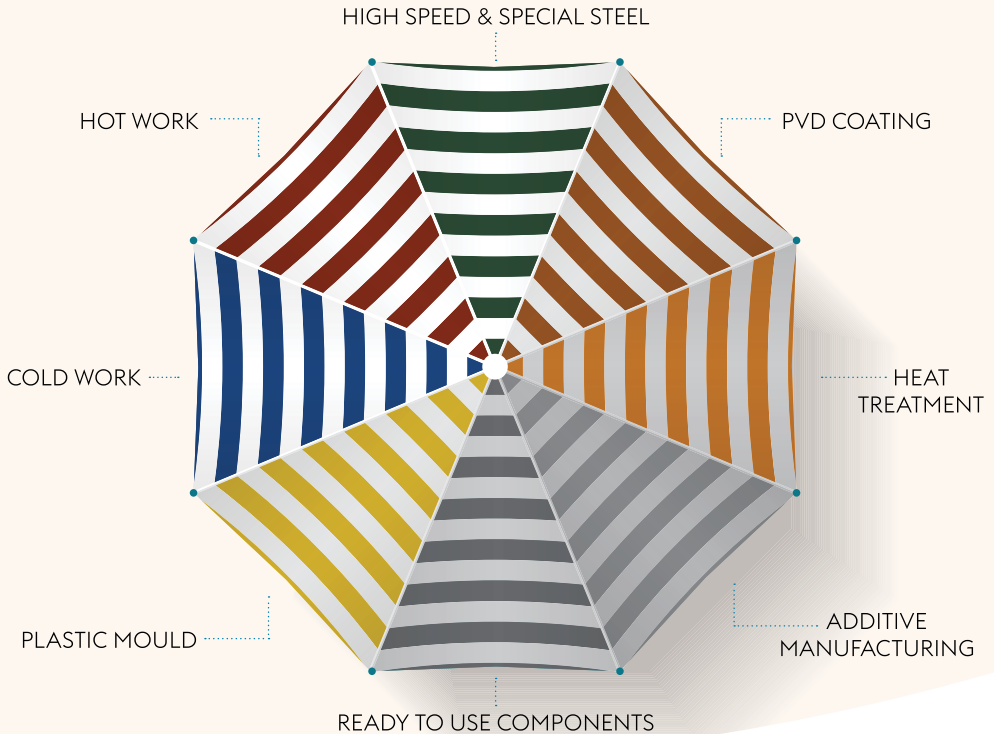
Earlier was on deputation as Chief Operating Officer at Receivables Exchange of India Ltd (RXIL) which is a joint venture promoted by Small Industries Development Bank of India (SIDBI and National Stock Exchange of India Limited (NSE).

He has also served as the nominee director in a public sector Industrial and Technical Consultancy organisations.

He has long experience in project appraisal / monitoring and also in effective recovery using persuasive methods. Instrumental in helping scores of entrepreneurs and enterprises whether budding, growing, expanding, diversifying or graduating or excelling at whatever stage and with diverse requirements.

# WE HAVE YOU COVERED

Under our umbrella we have  
all you will ever need



## Our Products (Materials)\*

### Tool Steel

- Hot Work
- Cold Work
- Plastic Mold

### High Speed Steel

- Conventional Steel
- Powder Metallurgy

### Special Steel

- Aerospace
- Chemical Processing
- Oil & Gas
- Power Generation

### Ready to use Components

- High Performance Core Pins and Sub-inserts

## Our Services (Process)

### Surface Engineering

- PVD Coating
- Advanced Benefit Process (ABP)
- Polishing

### Heat Treatment

- Vacuum Heat Treatment
- Cryogenic Process
- Stress Relieving

### Additive Manufacturing

- Manufacturing Services
- Powder for AM
- Research Competence

### Metallurgical Laboratory

- Highly Experienced Team
- Tool Design Support
- Tool Failure Analysis

\* Fulfilled by our world leading brands BÖHLER and UDDEHOLM

Visit our website



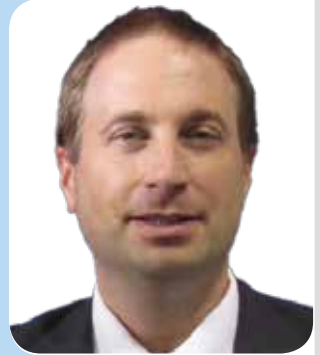
voestalpine High Performance Metals Pvt Ltd.  
office.india@voestalpine.com

voestalpine

ONE STEP AHEAD.

# Marc Weinmann

**Chairman  
VEM Tooling**



Marc got an MBA from the University of Mannheim, Germany, with focus on International Marketing and Economics. After his graduation he worked for 2 years in Paris, France, for a Door Intercom Company and then 1 year in an Electronics Trading company in Hong Kong. In 1998 Marc started his trading firm VEM- Virtual Electronics Manufacturing Ltd in Hong Kong. Under this firm initially he outsourced PCBAs, Plastic Injection Molds & later in 2003 started his own tool room in Shenzhen, China. Soon he setup sales offices in USA, Germany, China, Thailand, Mexico & India. He expanded operations in China and also set up a new factory in Rayong, Thailand, in 2008.

Start in India was with one sales person in 2015, today VEM Tooling India plant has 100 employees in Pune and additionally 12 Indian employees are working in Thailand plant in Senior Management positions. With the capacity for more than 200 molds per year the first 4 injection machines have been installed for moldtesting in-house and VEM India is now approved supplier for some of the big OEMs and their Tier1 suppliers for Moldmaking. Further expansion in India is scheduled.

VEM has the capacity of developing more than 600 tools per year. The sizes of tools vary from 30t till 600t and are catering to mainly the Automotive, Medical, Electronics and Packaging Industries.

Next factories are planned for Mexico in March 2019 & Bulgaria in June 2019.

# Vinod Kubher

**Executive Director  
Prabha Industries**



I grew up in Chennai, did my undergrad in engineering at Coimbatore & my masters in the US. I lived in, the Detroit area for about 17 years working for the auto industry.

Projects I worked on at DaimlerChrysler include launch of the PT Cruiser in Mexico & Austria, and product development for small Jeep platforms (Compass & Patriot).

In 2011 I joined the Prabha group full time. Our companies are sheet metal module suppliers to Ashok Leyland. I'm involved with all new project activities & management of our die & press shops.

This gives me the opportunity to work with great people.

# Amit Kumar Parashar

**Sr Vice President  
Operations, Tool Room  
Central Quality, Service & QS, Subros Ltd**



Working as Sr Vice President at Subros and looking after vertical domains of Tool Room, Operations, Customer Support & Service and Corporate Quality. Having 29 Years of total experience and more than 22 years in Automobile sector itself and having immense experience in Operation Excellence, Management, Business analytics, Process and Performance improvement & Project leadership.

Subros Tool Engineering Center situated at Noida is making Tools to Automotive as well as non automotive sector. STEC handling all 3 kinds of Toolings – Injection Molds, PDC Dies and Sheet Metal Tools and having capacity to handle more than 100 Tools per annum.



# Arvind Chawla

**Managing Director  
Zahoransky Moulds and  
Machines Pvt. Ltd.**



Mr. Arvind Chawla is the Managing Director of ZAHORANSKY Moulds and Machines Pvt. Ltd, Coimbatore.

ZAHORANSKY is known for reliability, precision, and sophisticated technology. The foundation of the company was laid in 1902 by Anton Zahoransky, in Todtnau, Germany.

He became a part of ZAHORANSKY in 2008 to relocate Indian operation from Mumbai to Coimbatore. First started at a rented place, then in 2013 ZAHORANSKY built a state-of-the-art facility and doubled it in 2019 to 6000 sqm, having all the latest machines and equipment to manufacture high precision moulds and machines.

It's a "Platinum" rated Green Factory Building, certified by "IGBC" with 93 points, which is the highest points rating in India.

He started his tooling career working with Accurate Moulds and Dies in 1990 and then spent 15 most valuable learning years working with Mutual Industries from 1993 to 2008. Joint venture of Mutual with French Company Meca plast was a turning point which opened the door to understand European tooling culture.

Experience of working with International and Indian tooling industry helped him to understand the gap or limitation between customer demands and supply hence could upgrade the team accordingly and exports many moulds and machines to global customers.

As his interest or hobby is Designing, Machining, Assembly and Learning new things, hence always look forward to put efforts in building a skilled team from fresh engineers and help upgrading our tooling industry.

# Martin Pinto

**Executive Director,  
Shapers India**



Field specialisation: Completed tool making specialised course through Philips India and St Joseph's Pune (1982-1987) and underwent various training in France and Poland during 2008 to 2015. Completed short MBA in Audencia business school in France.

Current Position : Executive Director – Shapers India, Pune

Total Experience : 33 + Years in Tool Making business. Last 25 Years working in Shapers India and could play a key role to establish tool making business in India giving global support to our Indian customers. Shapers India played a bigger role during 2008 to 2016 to start developing Large and complex Tools in India. In the last 25 Years, worked on Various Positions in Shop Floor, Planning, Marketing and Management. Successfully managed complete activity as Managing Director for more than 8 Years and helped gain recognition for Shapers India in the tooling industry. Could build a strong technical team in Shapers India to take care all kinds of requirements in Tool Making business. Same time could establish and develop many key suppliers and strong customer relations during the last 20 Years, which was helpful for growth of the tool making industry in India.







[www.diemouldindia.org](http://www.diemouldindia.org)

## BE A PART OF TOOLING EXTRAVAGANZA!

12th Die & Mould India International Exhibition

**28<sup>th</sup> April to  
1<sup>st</sup> May 2021**

Bombay Exhibition Centre,  
Goregaon (E), Mumbai, India

*Unlock your Potential, Attain Newer Heights,  
Expand Globally!*

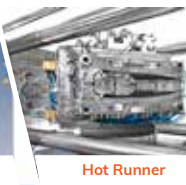
### EXHIBIT CATEGORY



Cutting Tools



Software



Hot Runner



Injection Moulding



EDM



Machine Tools



Measuring Machines



Die Casting



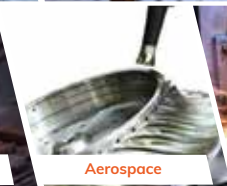
3D Printing



Automation



Heat Treatment



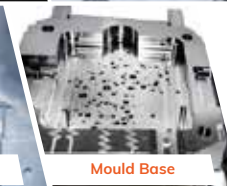
Aerospace



Tool Steel



Jig & Fixture



Mould Base

ORGANISED BY:

**TAGMA  
INDIA**

**TOOL AND GAUGE  
MANUFACTURERS  
ASSOCIATION - INDIA**

A-33, Nand Jyot Industrial Estate, Safed Pool, Andheri - Kurla Road, Mumbai - 72  
Tel.: +91 22 28526876, 28508976, 28503273, +91-9653427396  
E-mail : [tagma.mumbai@tagmaindia.org](mailto:tagma.mumbai@tagmaindia.org), [tagma.diemould@tagmaindia.org](mailto:tagma.diemould@tagmaindia.org)