

Special Issue | April 2023

 **equilibrium**

 ***Micromatic  
Grinding***

**Becoming The Best**

SINCE 1973

 **YEARS**  
**Precision &  
Performance**

*50 Year Celebratory Edition*

## A 50 Year Journey

**1973**

Established as MICROMATIC MACHINES (Brand 2M) at C 40/1, Ghaziabad near New Delhi



**2008**

Plant number IV set up at Bangalore  
TOYODA MICROMATIC Machinery India Ltd. - Joint Venture with JTEKT Japan



**1977**

First cylindrical Grinding Machine Model GCU-100 manufactured which got Best Design & Best Product Award for GCU-100 at IMTEX 1979



**2009**

Supplier Award (Robert Bosch Award)  
2009 "Maximising Value to Customer" from Bosch



Plant I reconfigured as Micromatic Manufacturing System Pvt. Ltd. for Sheet Metal fabrication.  
Associate Company of MGT

**1986**

First CNC Cylindrical Grinder



**2013**

CNC Centerless Grinder- "JAGUAR" CLG 6020 launched at IMTEX - 2013



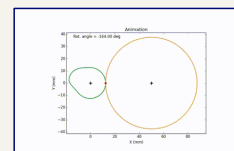
**1990**

Founding partners split & company renamed as Micromatic Grinding Technologies in 1997



**2015**

Developed Non-Round Grinding Technology



**1996**

Plant Number II totally air-conditioned setup at C 27, Ghaziabad



**2017**

High Speed CBN (80mps) Crankshaft Journal Grinder Launched



**2006**

Plant no. 3 setup in C 28, Ghaziabad  
Toyoda Micromatic Cam Grinder, model GC-20M launched



**2023**

50th Anniversary of MGT

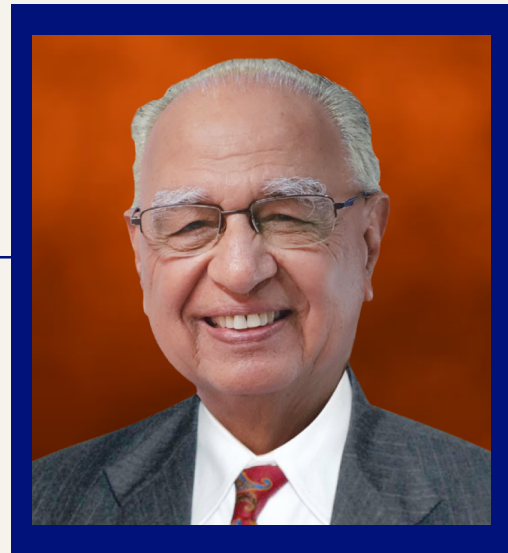




## A Note by The Chairman

NK Dhand, Chairman

Micromatic Grinding  
Technologies (MGT)



**5**0 years. 5 decades. Half a century. However you frame it, it is a long time, and it would simply not have been possible without Divine Grace. So first and foremost, I give my thanks to the almighty for bringing MGT to this milestone. Undoubtedly, it is due to the values and principles that we have been guided by from the very first moment MGT was born, that have made it seem like the blink of an eye. From an idealistic young man with a dream, to the esteemed position I find myself in today, it is these principles that have enabled me, the organization, and the trusted

people around me, to reach the heights we have. It is only fitting then, that instead of simply patting ourselves on the back for hitting such an incredible milestone, we reflect on what allowed us to reach this point at all and share the same with you in this special Golden Anniversary issue of EQUILIBRIUM. As we celebrate 50 years of highs and lows, 50 years of a changing world, 50 years of climbing the staircase together, there is no better way to honour our shared legacy than through our shared values. And reaffirm our commitment to them for the next 50 years.



Thank you for being a part of the journey



# Precision

The singular defining quality of MGT. It all begins & ends with precision.

“



**S. Ravichandran**  
President, Delphi TVS, Chennai

**R**eliability and Accuracy of MGT is far better than their Indian competition. In comparison with their European counterparts, MGT's machines are the closest in terms of Precision or Up-time.

”



**CLG 6020**

A legacy is not built by chance: to write history, one must be guided by focus and determination. Precision is at the heart of all that we do. Not just in our machines, but in our very way of life and business. From timelines to service, from the ethics we hold ourselves to, to the way we give back to the community. We aim for perfection - zero tolerance for variance. And it is this commitment to precision that allows us to achieve all we set out to do.

In the 1970s, the early days of MGT, HMT featuring Oerlikon-Swiss design was the leader in cylindrical grinding, with 5 micron roundness accuracy, while internationally, the best-in-class machines could achieve accuracy as high as 2 microns. When MGT designed its first product, the GCU-100, it was this international standard that was set as a benchmark. On display at IMTEX 1979, the judges wanted the 2 micron roundness accuracy to be shown at the exhibition stall itself! This led to not one but two first prizes, but more importantly - to 50 years of constant refinement and advancement, which has resulted in the 1 and 0.5 micron machines that MGT has built and supplied since.

# Pride

Pride in what we do. Pride in how we do it.  
Pride in who we are.

“



**Prof. Ramesh Babu**  
IIT-Madras

**M**r. Dhand has a vision to create something for the next generation, building a culture of solution-building through passion and compassion.

”

We take pride in enabling industrial growth through our machines. We take pride in providing precision grinding solutions to the world when several MNCs promote MGT machines at their own plants internationally. But we're not just proud of what we do, but also how we do it. We take pride in the way we contribute to the world, from our commitment to quality, to ensuring the success of our customers through designing unique new solutions, from our dedication to integrity by honouring every commitment made and service support, to our trusting relationships with all stakeholders. MGTians take immense pride in all that they do, and that enables us to constantly strive for better, everyday.



**STALLION**

Back in **1973**, when a dream of indigenous development was born in a very small tool room, one would not have been hard pressed to brush it aside as overly ambitious or even foolhardy. But it was the insistence upon taking this mission upon themselves, with zeal, ardor, and a spirit of excellence, that inculcates a sense of pride in every employee when they reflect upon MGT's humble beginnings.

## Service

Our stamp of quality is carried not just in our products, but our service as well.

“



**Narendra R**  
GM- MMT Service Support  
From 1990 till today

Complete, Reliable, Consistent and Dependable solutions during the product's life cycle with 360 degree support, is what MGT believes in and what we at MMT provide as a part of our unique After-Sales Service program - 'Micromatic 360'.

”

While some believe every action is self-sufficient, the right intent makes all the difference. We enter every action not driven by profit, but by service: how can we add value to the lives of our customers, and the ecosystem around us. It is our very reason for existence, the reason we place so much emphasis on maintaining integral relationships, on advancing technology, and holding ourselves to high service standards.



**IG 150 - 150 U**

Machine tools have an exceptionally long life, from a minimum of 15 years, up to 30 years at times. Therefore, providing timely, and precise service is a crucial part of manufacturing and supplying them. In the current era of 24x7 operations, prompt service is integral to success in the marketplace. This was the key motivator behind setting up MMT, MGT's own sales and service network, back in 1978, shortly after the first cylindrical grinder left the factory. With owners directly involved in ensuring the uptime of their machines, MMT not only boasts of over 700 field engineers nationwide, but also a reputation of being one of the best in India.

# Interdependence

MGT is not just the machines, the technology or the people. It is also the entire ecosystem.

“



**Prof. Rakesh Agrawal**

*IIM-Kashipur, author of a case study on MGT, published by The Humanistic Management Network, Switzerland in 2010*

The company believes that it is a part of a society which includes employees, suppliers, customers and even residents of the surrounding areas.

”



**e GRIND 200**

No man is an island, and to think oneself infallible is the greatest mistake any business owner, employee, or stakeholder can make. We do not see MGT as an isolated organization, but as a part of a grand ecosystem that relies on interchange and interdependence. We exist in a balance between ourselves, our clients, our employees, the communities we exist in and the environment. Only by drawing from this ecosystem, and ensuring we give back to it, can we truly thrive.

Building a deep pool of talent has always been a priority for MGT for just this reason. From **Dr. Subbu's (K. Subramanian)**, President STIMS Inst. Inc. USA strategy of product development, to the contributions of IIT Madras Gold Medalist **Brij Bhushan**, who remained engaged with MGT even after moving abroad for his PhD, it is the organization's ability to foster good relationships that allows it to truly capitalize on the strength of diversity and interdependence.



# Collaboration

MGT is MGT because of everyone who has supported us through this journey.

“



**Mitsuhiro Isomura**  
JTEKT Corporation  
Japan

For grinding machine users in India, JTEKT brand products made by MGT, could be delivered at affordable prices”.

”

A world-changing idea can come from anywhere. When ideas are judged on their strength, and not the standing or position of who it came from, progress can truly take place. Collaboration, even as we've grown into a larger and larger organization over time, is a daily practice. Collaborating with vendors, clients, other organizations, and even within our constituent groups ensures that the best and brightest can always shine.



The spirit of collaboration runs deep in MGT; from the early years of working with CMTI-Bangalore for new product designs, to jointly promoting our own sales & service organisation MMT (Micromatic Machine Tools, the largest machine tool marketing company in India now) with like-minded friends, to co-developing many SPM Grinders with customers, forming a JV with TOYODA (JTEKT) Japan in 2008 and now leading an Industry-Academia collaboration with IIT-Madras, successfully developing new technologies.



# Innovation

What defines MGT is not a single product, or service, but a commitment to progress, and seeing opportunities where others don't.

“



**Narayan G. Muramatti**  
CEO MGT Bangalore factory,  
right from its Bhoomi  
Poojan day in 2007 to his  
superannuation in 2017

**P**roduct Innovation has been a hallmark of MGT – be it the customised solutions for specific client requirements or the UNS (Unique New Solution) or the grinding of non-round components, or integration with robotics and AI. Not just products, MGT has also constantly innovated its processes as well. This did mean making investments which were not maybe financially prudent at the time, but today we enjoy the advantage of those decisions. Like we purchased a 5-face Machining Centre from Japan in 2007– today the process of machining a machine-bed base has radically changed and our customers have started getting the benefit of significantly higher quality. All our SOPs are documented.

The world is not static, it is ever changing. And to stand out in any industry, one must not only follow the trends of the evolving landscape, but define it – by always pushing the envelope, chasing new frontiers, and boldly creating new solutions to the problems of tomorrow.

**CLG 4015 C**



Not only from a technological and engineering standpoint, but even from an organisational one, innovation is at the heart of MGT. It is the ability to adapt and change with the times, and take risks that pay off in the long term that has defined our success story, and will continue to do so. From prescient investments, to unique partnerships, and a focus on delivering new solutions, innovation that has been our hallmark for the last 50 years, will be so for the next 50 as well.

”

# Future Forward

50 years is not a journey you complete by just thinking of the present. We have always been future forward.

“



**Shrinivas G. Shirgurkar**  
Chairman of Ace Designers

It would be quite natural to rest on the laurels of having built up India's finest grinding company that has completed 50 years – but the leadership is looking at the next 50 years – anticipating technology needs, interfacing with academic institutions like IIT Madras, working on the next frontiers of Mechatronics.

”



**RHINO R80-120**

Seeing into the future is impossible. Creating the future however, is not just possible, but integral for an organization to thrive. We've always got one eye on the road ahead, because we believe the best way to be a part of the future is to be a part of shaping it. Every action we take is driven by a larger vision – not just today's achievements, but tomorrow's innovations.

From the heavy focus on indigenization at a time where it was simply a dream, to a single-minded mission to become an industry thought leader, from anticipating technology needs of tomorrow to interfacing with the finest academic institutions to enhance technical capabilities, MGT has always had one eye focused on how to meet the needs of future industry before they arrive.

## Glimpses of MGT's Journey



Late Prime Minister Sh. Rajiv Gandhi at the Micromatic stall at IMTEX in 1988.



Best in India is not good enough, you must prove yourself amongst the best in the world.

**Late Mr. Ashok V. Sathe**

(1940-2020), who not only designed MGT's first product, the GCU-100 Precision Universal Cylindrical Grinder, that won Best Design Award at IMTEX 1979, but was also the Visionary Founding Father of the AceMicromatic Group of companies, the largest in the country now.



Testing a grinding machine is the best learning process. Testing against International standards leads one to understand, 'why the process fails' - and that's when the learning happens.

**Mr. BPV Reddy**

Who tested the grinding machine model GCU 260X500 at CMTI-Bangalore in early 80's. He then joined MGT in 1989 & became the Technical Director & Board Member till his retirement in 2010.



Two young men (N. K. Dhand & V. S. Goindi) approached me way back in October 1972 with a dream of indigenous development at a time when they had planned for only a very small tool room - I was sure of their energy, intent and resolve, yet surprised by their humbleness - and most importantly their commitment to business ethics.

**Mr. B. K. Kapur**

91 Years Old, Sr. Partner - B. K. Kapur & Co. Statutory Auditors of MGT Since its Beginning in 1973 till Date.



The creation of Micromatic Sales Corporation with 3 partners in 1978 to its evolution into the current form of Micromatic Machine Tools, which is India's largest Machine Tool Marketing Group is testimony to the vision of Narendra Dhand and his tenacity to see through multiple equity changes.

**Mr. VS Goindi**

Co-Founder of Micromatic Machines & Partner (Pre - 1990)



## Glimpses of MGT's Journey



Mr. Pawan Munjal, MD HeroMoto Corp. inaugurating the new plant at C-28 on 15th Sept. 2006.



Signing of the sales & service agreement with Toyoda (JTEKT) in Oct. 2002.



"Grinding Technology" seminar organized by MGT in partnership with Saint Gobain USA (Dr. K. Subramanian at extreme left) & Mr. Marposs, Italy (Mr. Lambartini, 2nd from right) in 2003. Late Mr. Vikram Kirloskar, Vice Chairman Toyota Kirloskar Motors, in the center, was the Chief Guest.



AceMicromatic Founding Fathers from Right to Left - Mr. N. K. Dhand, Mr. B. Machado, Late Mr. A. V. Sathe, Mr. Ramdas P. (Mr. Shrinivas Shirgurkar is absent) Mr. L. S. Umesh, CEO-AMS, is also in the picture.



MGT Bangalore Plant Inauguration Pooja, Oct. 2008.



Mr. Ashok Taneja, President & MD, Sri Ram Pistons & Rings Ltd. along with Mr. A. K. Agarwal, GM HeroMoto Corp Ltd. at the Inauguration of MMT, Gurgaon Tech Centre in 2007.

## Glimpses of MGT's Journey



MGT's floor employees and factory level management is aware of why machines are being built in a certain way and the impact of that on the process for the customer's manufacturing process.

**Mr. Tabrez Ahmed**  
GM, Toyota Kirloskar Auto Parts



The Split between the partners is a make-believe textbook case study of how planned, ethical, and mutually WIN-WIN splits can be done. One partner broke down the assets in 2 equal parts and the other partner had the first choice of which asset block to take.

**Mr. Sudhir Mittal**  
Industrialist, and Long-Time Friend



The management team leads by example and has created a culture where people are inspired to develop into their best selves. That, combined with a customer-centric focus, makes me sure that MGT will have a very successful future.

**Dr. Brij Bhushan**  
PhD MIT USA, Gold Medallist IITM 2012,  
ex-Asst. Mgr. R&D at MGT from 2012-2015



Commitment to giving back started very early on in MGT. If we are doing well – we need to give back. This belief system also emanates from a philosophy of the Founder Mr. Dhand, for whom the purpose of business was not to just accumulate wealth but to create a lasting institution that runs on a value system.

**Mr. J.P. Malik**  
Dy. MD of MGT from 2003-2009 &  
Former Board Member (EX-Director HMT)



MGT has embraced a steadfast commitment to research and development since its inception. This mindset to always push for improvement on existing products and services has made the organisation an industry leader today.

**Dr. K. Subramanian**  
President, STIMS Inst. Inc. USA  
(EX- Director R&D, Saint Gobain, USA)



MGT was innovative right from the beginning – even before the word innovation had become a buzz word in industry! The first machine got the CMTI Award in 1979.

**Mr. T. K. Ramesh**  
MD, Micromatic, Machine Tools

## A Note by The Managing Director

Kapil Dhand  
Managing Director

Micromatic Grinding  
Technologies (MGT)



**W**hether you have been a part of the MGT family for 50 years, or 1 month, I'm sure the importance of our values and guiding principles is not lost upon you. So perhaps now is the right time to ask why do we celebrate them so strongly on this momentous milestone?

The answer is simple. Despite all appearances, we're not celebrating our glorious past. What we are celebrating is the promise of the future.

We have come far from the tiny little space that was the birthplace of MGT. We've become leaders of the industry,

synonymous with progress, a vanguard of our very own revolution.

And we're still just getting started.

Our values keep us young. They keep us driven. They keep us motivated.

With the tenets that have brought us to this stage behind us, there is no telling just how great our destiny truly is. But by looking back on the path that has brought us here, I for one am filled with hope, confidence, and excitement for the future, with a Vision of "Evoking Pride & Impacting Society through Precision Engineering".

*So let us enjoy this moment, and bask in our achievements. They are but a small taste of what awaits us in the next 50 years.*



## Board Of Directors



**Mr. Narendra Kumar Dhand**  
*Executive Chairman*

Mr. N.K. Dhand, holds a B.Sc. in Physics (Hons.) from Delhi University and a B.S. in Mech. Engg. from University of California, Berkeley, USA. He co-founded Micromatic Machines in 1973 which became independent in 1990 and renamed it as MGT-Micromatic Grinding Technologies Ltd. in 1997. He was Chairman & Managing Director of Micromatic Machine Tools Pvt. Ltd. from 1980 to 2018 and continues as a member of the Board. He is Director of the JV, JTEKT Micromatic Machinery India Pvt. Ltd. He has held significant roles in the industry, including Co-Chairman of C-MAT, past President of IMTMA, and is Chairman of Gram Niyojan Kendra, an NGO.



**Mr. Surender Kumar Kakkar**  
*Vice Chairman, Non-Executive Director*

Mr. S.K. Kakkar, an Electronics Engineer and MBA from Delhi University, worked with BEL as a design Engineer for nearly 20 years. He has over three decades of experience in Total Quality Management and Business Excellence. He has worked with CII, served on the Global Excellence Model Council, and currently holds position as Chief Mentor for Organisational Performance Excellence Consultants. He is Chairman of National Accreditation Committee on Quality Management Systems.



**Mr. Kapil Dhand**  
*Managing Director*

Mr. Kapil Dhand, a graduate of Siddaganga Institute of Technology (SIT) Tumkur, worked as a Trainee Engineer at Deckel Maho Gildemeister (DMG) at Geretsried, in Germany. He played a key role in technology transfer projects with TOYODA Machine Works, Japan. He co-founded Micromatic Manufacturing Systems Pvt. Ltd (MMS) in 2009. He has worked in various functions in the company before becoming the Managing Director in 2015.



**Mr. K. Chandrashekhar Sharma**  
*Independent Director, Non-Executive*

Mr. K Chandrashekhar Sharma, a Mechanical Engineer from NIT Surat, did his MBA in Marketing from IGNOU. He has extensive experience in the Machine Tools sector, including HMT Ltd (14 years) and Kennametal India Limited (21 years) where he superannuated in 2020 as VP & Director. He has also been associated with academic institutions and NGOs, supporting underprivileged children in their education through Sparsha trust.



**Mrs. Neelam Dhand**  
*Whole Time Director*

Mrs. Neelam Dhand has done a BA Honors in Psychology from Delhi University in 1972 and has been associated with MGT as Director from 1990, working closely with the Human Resource teams for various employee welfare activities.



**Mrs. Pooja Rahul Malhotra**  
*Promoter, Non-Executive Director*

Mrs. Pooja Malhotra, a Bachelor's degree holder in Hotel Management from Welcome group graduate School of Hotel Administration, has excelled in her academic career with multiple scholarships and internships at top hotel chains. She also holds a Diploma in Human Resource Management from IMT Ghaziabad and has successfully established and managed her own IT training company, OST Technologies in Nashik.

**The Management has always led from the front, with each individual bringing in their specific set of skills and experience to help drive MGT's growth story as a part of its perennial pursuit of becoming the best.**



SINCE 1973



### **Head office & North India Plant**

Micromatic Grinding Technologies Pvt. Ltd.

C-27 & 28, Industrial Area, Meerut Road,  
Ghaziabad, (U.P.) - 201 003, India

Phones : +91-120-2712137, 69

E: [sales@micromaticgrinding.com](mailto:sales@micromaticgrinding.com)

### **Bengaluru – South India Plant**

Micromatic Grinding Technologies Pvt. Ltd.

Plot No. 5/A, Survey No.74,103,106,107

KIADB Dobaspet, I Phase Industrial Area, Sompura Village  
Nelamangala Taluk, Bangalore District – 562 111.

Karnataka, India

Phone : +91-80-27735384

E: [sales@micromaticgrinding.com](mailto:sales@micromaticgrinding.com)