

MC NEWS

News Bulletin from Micromatic Grinding

Moving On • Celebrating • Remembering

Thanking

50

th Issue

Thanking

Moving On • Celebrating • Remembering

Wishing
All Readers

A Very
Happy
New Year
2010

CMD's Message

Dear Friends,

Let me first thank many of you for the encouraging words to our previous issue of MGT NEWS. The 2008 issue was on HOPE and RESOLVE and through the considerably difficult environments we are all going through, I am convinced that these are the 2 feelings that will make us sail through this rough patch in India's Growth story.

With this bulletin we cross 50 issues of MG NEWS and with that in mind we decided to have this special issue with a theme that is appropriate to the occasion.

The 4 point theme for this Golden Jubilee issue of MG NEWS is :

Celebrating – we celebrate the passage of time, we celebrate your active presence in our midst, we celebrate the many awards we have won, and we celebrate every moment of attempting to "Becoming the Best"!

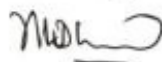
Remembering – we remember the myriad experiences with all of you in the last 16 years, we remember our previous editors, we remember our passion to have a more satisfied customer and we remember our commitment to making the planet a better place to live.

Thanking – we humbly accept the many achievements with a deep sense of gratitude, and we thank all of you, we thank our employees, we thank the initial team of Sanjay Nagi of Market Insight Consultants and Suresh Vij of Classic Advertising who are still involved with us, we thank our suppliers, our Bankers-Canara Bank and above all we thank GOD for giving us another day to remain committed to our vision.

Moving On – much as we remain rooted to our encouraging past, we strive for a better future and we re-dedicate ourselves to meeting and even exceeding your expectations. We move on with confidence, extending our network in India & starting marketing offices in China & Europe, with resolve and even greater commitment to the future of providing you Reliable Customer Friendly grinding solutions.

Wishing you the very best in the New Year, we use this opportunity to again reiterate our commitment to a lasting relationship with each and every one of you.

Yours truly



NK Dhand
Chairman & Managing Director



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MGT has been partnering **Bosch** over the last many years, who have got more than 60 machines from MGT

For the match grinding of the delivery valve pin, Bosch has been using only European machines in all their plants worldwide till now. Bosch selected MGT from their world wide suppliers to develop an indigenous, low cost import substitute. MGT delivered such a machine in 2009 after 2 years of intensive co working!

Challenges Galore

- OD Roundness less than 0.8 micron on interrupted component
- Seat roundness to be maintained within 1.5 microns
- Match grinding of Pin OD to ID of Body
- Flat grinding with straightness accuracy of 1 micron to be achieved through C-X Axis interpolation



'Bosch Best Supplier Award'

"Maximizing value to customer" for 2009.

Standing L to R Naveen Tyagi, Sanjay Kumar & N K Dhand with Soumitra Bhattacharya (Sr. V.P.) of Bosch



HMSI Award for Best Supplier in 2006.



The 1st Machine model produced by MGT in 1977 won the **CMTI PMT Trust Award** for 'Best Design' & **FIE Award** for 'Best Product' at IMTEX 1979.

It is still a popular model after 30 years.



Celebrating

Awards given to MGT by our trusted customers and key industry bodies reinforce in us the spirit of continued excellence and commitment to the machine tool industry. In the past 50 issues we have celebrated the numerous awards we got. The physical awards are surely a morale booster to our attempts – but what inspires us most is that you hold us close to your heart- we cherish that fondness and we celebrate the spirit of remaining your most trusted partner for grinding solutions.

What's New?

MGT's latest new machine range- the Stallion series was unveiled at the IMTEX 2007. It won the FIE Award.



Visits by our associates and valued customers give us added reason to celebrate.

In the past 50 issues we have celebrated the visits of numerous customers, associates, dignitaries, trainers and foreign principals. Those moments have passed but the memory of those interactions remains fresh and we celebrate our spirit of involvement with you.

Celebrating

We celebrate the many awards we have won.

We celebrate the passage of time. We celebrate your active presence in our midst.

We celebrate every moment of attempting to "Becoming the Best !"



A team from Bosch Bangalore visited MGT's Bangalore unit on 24 Sept 2009. Seen from Left to right Kapil Dhand, Narayan Muramatti, Sudarshan Rao K R (Vice President Corporate Purchase & Logistics), N K Dhand, Poornanand J. Gokarnkar (Sr. Mgr Corporate Purchase), Mahesh Samaria, Laxmeshwar Math, Guruprasad D. (Officer Corp. Purchase) and A K Nandan of MMT are in the back row.



A team of Toyota Kirloskar Auto Parts visited MGT Bangalore unit on 14 Oct 2009. Mr Seiki Fukaya Vice President of TKAP planting a tree on the occasion of his visit. Other members of the delegation were Mr Tabrez Ahmed and Mr. Fumihito Maehama.



We remember the myriad experiences with all of you in the last 16 years, we remember our previous editors, we remember our passion to a more satisfied customer and we remember our commitment to making the planet a better place to live.

Ethical Values

- Honesty
- Integrity
- Selflessness
- Sincerity
- Trust
- Humility
- Fairness

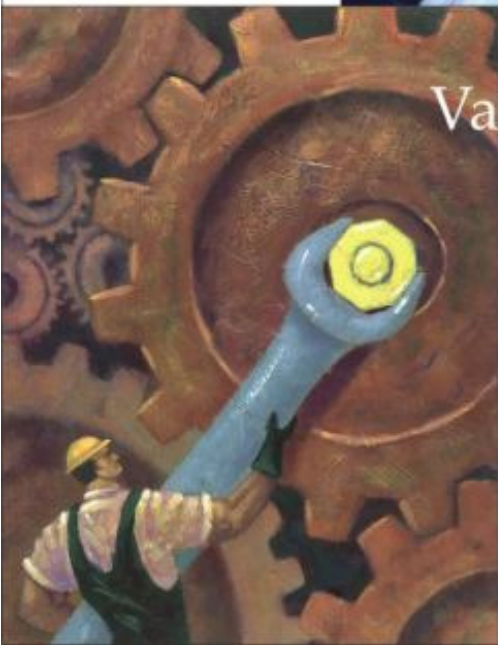


Remembering

Our ethical values have remained rooted in the past and while much has changed with respect to our strategy and operations, our ethical values remain non-negotiable . At the same time, changing business environments, impose need for changing operational values which we have kept doing. Today we remember both what has changed and what has not and rededicate ourselves to the continued pursuit of excellence in our values.

Operational Values

- Ownership
- Exactness
- Self Discipline
- 360° Involvement & Feedback
- Speed
- Safety
- Responsible citizenship
- Law abiding
- Care for society & environment



Remembering

Our Commitment to Sustainability is static- and the changes we make in our products and processes extremely dynamic. We remember our commitment and we reiterate ourselves to putting the cause of the environment above individual profit. We owe this to our future generations and ask ourselves every day if there is any other way we can make the world a better place to live in.



MGT family celebrated the World Environment Day on 5th June 2009 by planting more than 100 trees in their Ghaziabad and Bangalore plants. The occasion was also used as an opportunity to pay an honouring gesture to loyal veterans who have spent more than 25 years with MGT.

VAM (Vapour Absorption Machine) for CFC free Air Conditioning at Ghaziabad Plant.



MGT invests in new integrated ETP with STP for appropriate treatment of all liquid waste, at their Bangalore Unit .



Sewage Treatment

Primary Treatment : Solid Screening and Equalization.

Secondary Treatment : Extended Aeration – Activated Sludge Process – Settling Sludge Recycle.

Tertiary Treatment : Polishing of treated water by Dual Media Filter and chlorination.

Effluent Treatment

Primary Treatment : Solid Screening, Equalization/PH correction-primary clarification.

Further Treatment : The Effluent after primary treatment is transferred to aeration tank for the combined treatment along with sewage as above.



MGT reduces dependence on gensets for plant operation thereby reducing green house gases quite significantly. MGT has invested in improving Power factor quite significantly reducing overall energy requirement itself.



The News Bulletin started as **PSY NEWS**, transitioned into **Micromatic Grinding PSY NEWS**, then into **Micromatic Grinding NEWS** and finally into **MG NEWS**.



RK Mahajan
V.P. (Operations)
(editor from 1993 to 1999)

"The purpose of starting MGT News was to share experience and add values for all of our stake holders. I have the privilege to be a small part of it. I am glad that this endeavour is still continuing with renewed vigour."



G.K Sinha
(editor from 1999 to 2001)

"During my days of being an editor of MG News, it was my continued endeavor that the MG News remains meaningful to our audience. While I look back nostalgically to the fulfilling experience of editing MG News, I take this opportunity to thank the MGT family and wish everyone a very Happy New Year 2010."

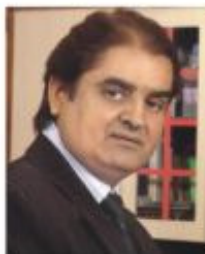


SK Roy
(editor from 2002 to 2008)

"Through this MG News I actually discovered about myself that I am not just a mechanical engineer but I also had an essence of art filled expressions. In each volume of MG News, I always tried to bring a new flair to the articles which was so much fun and brought out my creative talent."



Sanjay Nagi of **Market Insight Consultants** conceived of and implemented the idea of PSY NEWS and copy wrote the first few issues. He continues to be involved with MG NEWS. We thank his continued involvement with MGT from 1993 till now.



Suresh Vijh CEO **Classic Advertising Group** associated in 1992. MGT was amongst his first clients. Classic has grown manifold over these years, Suresh continues to serve MGT as well as he did in 1992. We thank his spirit of association and being with us all these years.

Remembering

Transitions are ways of seeing a change in the continuum of things- we remember the transitions in MG NEWS which started as PSY NEWS in 1993 when we were called Parishudh Sadhan Yantra. We offer you a glimpse of the transitions in the continuum of serving you, caring for you and going that extra mile to communicate better with you.



Thanking

We remain humble despite the many achievements we have had, and we thank all our customers, we thank our employees, we thank the initial team of Nagi and Vijn who are still involved with us. We thank our suppliers and above all we thank God for giving us another day to remain committed to our vision.

PA Pandit was one of the first employees of MMT, our Sales and Service company and we thank his valued and long contribution from 1983 to 2007- in making MMT the largest machine tool company in India.



BPV Reddy joined in 1983 and has been the driving force behind new product development at MGT all these year. We thank his commitment to excellence and making

MGT the most admired company in India for grinding solutions.

F Thomas was one of the first employees of MMT. He worked from 1978 to 1996. Interestingly his son, an engineer is now employed with MMT Shanghai office, China. We thank his trust and re-dedicate ourselves to the sound principles that bind us all.



TK Ramesh

Started his journey with the Ace Micromatic Group 25 years ago in 1984 with the setting up of Micromatic Machine Tools Bangalore office. He

is the current CEO and we thank him for his unparalleled commitment and passion to the Ace Micromatic Group of companies.

Old is **Gold** as they say. It is therefore only right that in the Golden issue, we remember and thank the everlasting contribution both to MGT and MG NEWS by our older set of employees who stood by us in the times when we were still evolving after the split in the early 90s. We take this opportunity to thank these friends, well wishers and associates of MGT.

Employees with 2



Name : Jitendra Prashad Kamath
Designation : Technician
Department : Assembly
DOJ : 11.12.1979
Yrs. with MGT : 30 Yrs.



Name : Shambhoo Saran Singh
Designation : Technician
Department : Assembly
DOJ : 16.02.1981
Yrs. with MGT : 28 Yrs.



Name : R B Tripathi
Designation : Technician
Department : Assembly
DOJ : 01.08.1981
Yrs. with MGT : 28 Yrs.



Name : Vinod Kumar Upadhyay
Designation : Technician
Department : Assembly
DOJ : 23.04.1982
Yrs. with MGT : 27 Yrs.



Name : Nuruddin
Designation : Technician
Department : VD
DOJ : 01.06.1983
Yrs. with MGT : 26 Yrs.



Name : Rajender Singh
Designation : Technician
Department : Assembly
DOJ : 01.06.1983
Yrs. with MGT : 26 Yrs.



Name : Naveen Tyagi
Designation : Asst. Manager
Department : CSD - Service
DOJ : 17.12.1984
Yrs. with MGT : 25 Yrs.



Name : Sheodan Singh
Designation : Technician
Department : Assembly
DOJ : 26.12.1984
Yrs. with MGT : 25 Yrs.



Name : A N Yadav
Designation : Asstt. Manager
Department : Assembly
DOJ : 06.07.1976
Yrs. with MGT : 33 Yrs.



A V Sathe is the founder of the Ace Micromatic Group and also the father of the first cylindrical grinder built by MGT in 1977 which incidentally is still working at Pragati Automation, Bangalore. We thank his visionary and pioneering spirit in leading the group.

5 years Service



Name : **Rajender Kumar**
Designation : Technician
Department : Assembly
DOJ : 02.11.1981
Yrs. with MGT : 28 Yrs.



Name : **Balbeer Singh**
Designation : Technician
Department : Assembly
DOJ : 01.08.1983
Yrs. with MGT : 26 Yrs.



Name : **Narender Pal Singh**
Designation : Technician
Department : Assembly
DOJ : 23.09.1984
Yrs. with MGT : 25 Yrs.



Name : **Prem Singh**
Designation : Technician
Department : Assembly
DOJ : 01.06.1983
Yrs. with MGT : 26 Yrs.



Name : **K. S. Rawat**
Designation : Officer
Department : Accounts
DOJ : 10.09.1978
Yrs. with MGT : 31 Yrs.



Name : **Anil Agarwal**
Designation : Engineer
Department : Stores
DOJ : 22.06.1980
Yrs. with MGT : 29 Yrs.



Name : **Inderjeet Singh**
Designation : Senior Manager
Department : Assembly
DOJ : 11.02.1981
Yrs. with MGT : 28 Yrs.

These colleagues have been with us for over 25 years and we thank them for their loyalty to MGT through all the good and bad times.



Thanking

Suppliers are a vital source of competitiveness and capability for MGT. Over the years we have been able to add more value to our customers because of the commitment and technology of our suppliers. We thank them and assure them of our commitment to constantly improving supplier interfaces.

Having worked with Micromatic Grinding Technologies Ltd has been a great



experience. We have been dealing with them since last 36 years since their inception. MGT is highly efficient in their quality, technology, productivity, management, and

hospitality with customers & vendors. We take pride in being one of the oldest steel supplier's to the MGT family.

Vijay Kumar Gupta

Prop – Sunil Trading Company, Delhi.

Universal Precision Tools started in the year 1973 and was the first company for developing Magnetic Coolant Filters in India in 1975. Since then we have been supplying Coolant Filtration systems to MGT to suit their exact needs. With almost 34 years of business relations, we at UPT Group are always grateful to MGT and Ace Micromatic Group for their continued support.



K.T. Pawar
MD UPT Group, Hubli

Moving On

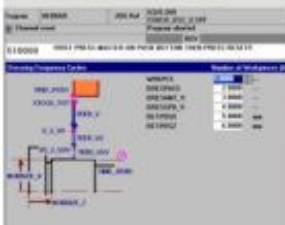
Application innovation adds value to MGT's customer and in a unique manner of co-working, we have created many new solutions. Constant machine and tooling modifications are done to bring innovative applications to enhance customer value. We take you through 3 specific challenging applications we worked on.

Application 1

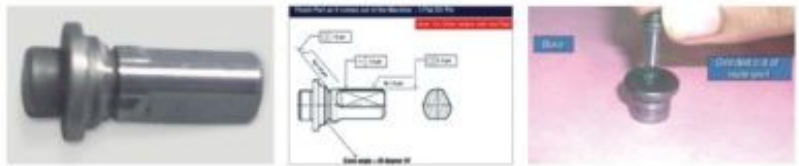
- Application :** Machining of "ISO GRID PANEL" (Aluminum alloy) for customer HAL-Bangalore for India's Space Programme
- Requirement :** Critical part machining with controlled unilateral tolerances.
- Challenge :** Number of pockets 341 with variety of skin and rib thickness.
- Achievement :** Created 3D model and programme with special CAM software and achieved the "First Job Right".



Indigenously developed screens on CNC machine for ease of operation for multiple & complex applications

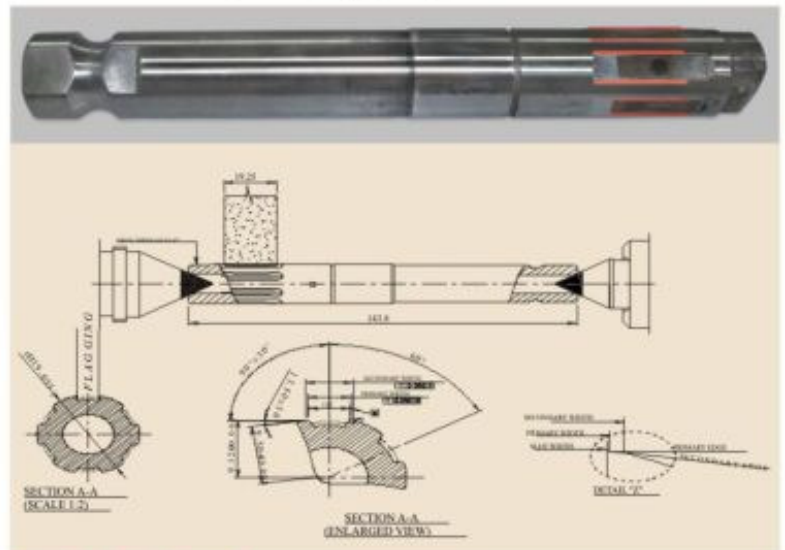


MGT also developed screen based common program for multiple components for easy setup change over.



Application 2

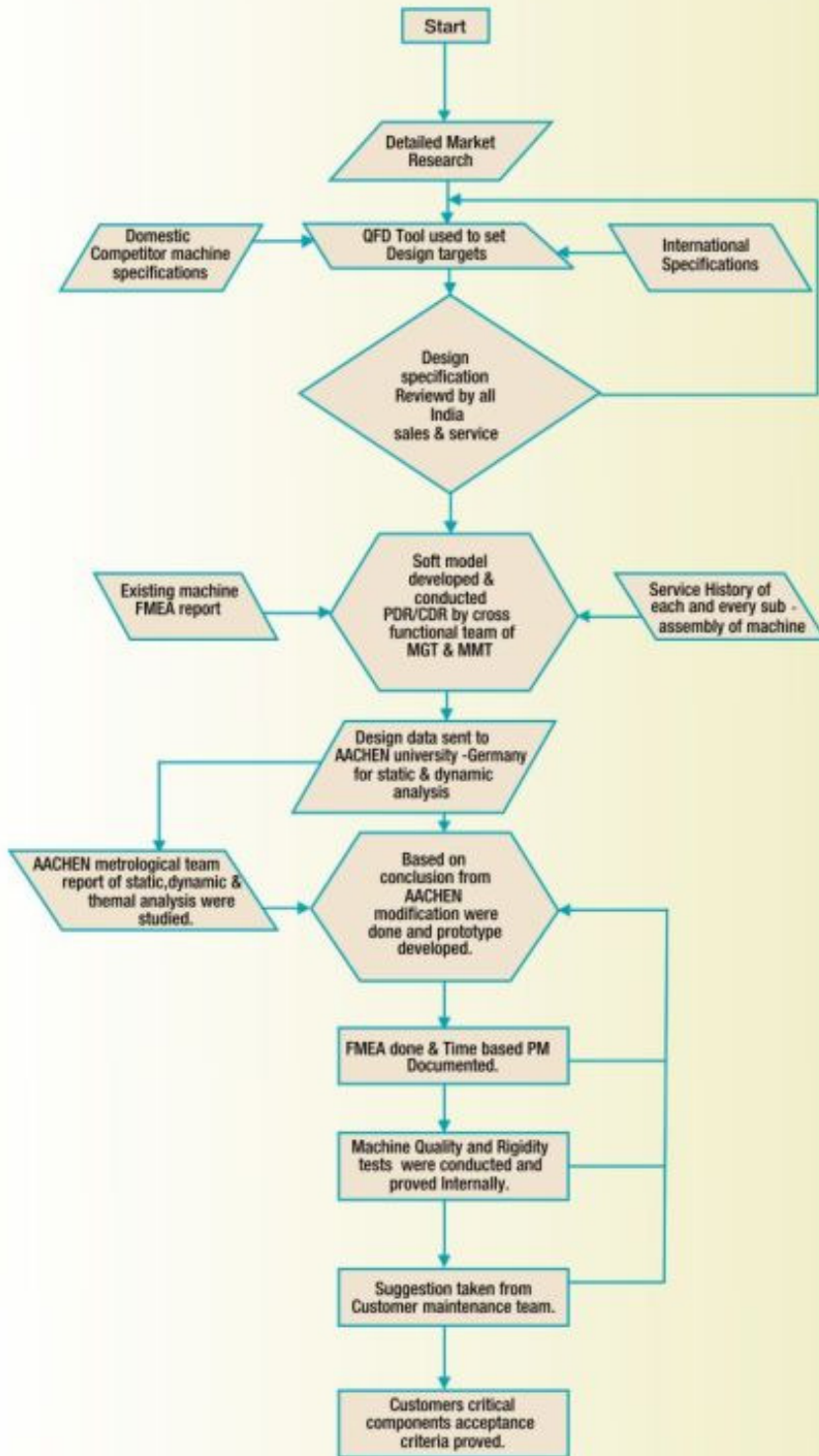
- Application :** Match grinding application for fuel Injection part with Flat Grinding on OD of DV Pin.
- Requirement :** Roundness less than 0.8 micron on interrupted OD (Three flats over the diameter at 120 degree angle) & less than 1.5 micron on seat.
- Challenge :** BOSCH India was doing this application on an imported machine & was looking for a local substitute to be cost competitive.
- Achievement :** MGT accepted the challenge & proved the application successfully on their Machine Model e-Grind 200 CNC. Special Work Head spindle was designed to achieve roundness of less than 0.5 Micron with C – Axis capability.



Application 3

- Application :** Non round Grinding – Edge Grinding of Steering shaft of hydraulic power steering.
- Requirement :** Across flats dimension taken at 180 degree to be maintained within 10 microns & within the component it should be within 2 microns.
- Problem :** Rane TRW was doing this application on imported machine & was looking for a local substitute to be cost competitive.
- Achievement :** MGT accepted the challenge & proved the application successfully on the Machine Model e-Grind 200 CNC. Machine built with direct driven C – Axis work head and positioned for pocket orientation to achieve symmetry tolerance of primary & secondary width.

New Product Development Process



Moving On

Constant product innovation is a mantra at MGT. Supported by an excellent in-house team of engineers and managers, backed by support of Leading global universities and test labs and inspired by our customers constantly evolving requirements, comes the latest – the STALLION Series from MGT. We take you through the product development process.

News Flash

The First batch of 4 CNC Grinders of 60mps wheel speed are being supplied to Mahindra & Mahindra's new Pune Facility.



Moving On

Much as we remain rooted to our encouraging past, we strive for a better future and we re-dedicate ourselves to meeting and even exceeding your expectations. We move on with confidence, with resolve and with even greater commitment to the future of grinding technology



MMT

Micromatic Machine Tools Private Ltd, exclusive sole selling company for AceMicromatic Group now has 28 Sales and Service offices all over the country. 2 Tech centers are also operational at Pune & Gurgaon with Bangalore and Chennai centers coming up soon.

Globalisation is a virtual need in today's context, not a source of competitiveness or differentiation. MGT has now forged alliances and JVs which we covered in the previous issue. In this issue we bring you glimpses of Micromatic China and Europe.



Micromatic China

Mi-Ace CNC Machinery Trading (Shanghai) Co., Ltd is set up as the sole marketing & Support Company of the Ace Micromatic Group in China.

Mi-Ace is located in Waigaoqiao FTZ in Pudong, stocks machines for quick delivery, besides sales and post sales services & spare part support for the complete range of products in China.



Micromatic Europe

Micromatic is at an advanced stage of setting up a branch office in Europe to provide support services for its products in Germany, France, Italy, Switzerland etc.

It plans to station factory trained engineers along with senior European experts having rich experience and expertise in machine integration for load/unload systems, in-process/post-process gauging for providing integrated solutions and support to discerning European customers.

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