

A SOUND ECONOMY



IS DEPENDENT UPON A SOUND SOCIETY





DECLARATION OF INTERDEPENDENCE CREATING A NEW PARADIGM FOR BUSINESSES OF THE FUTURE

The "Declaration of Interdependence" affirms the ways in which the fates of our ecological, social and economic worlds are bound together.

We, as individuals, and as organizations, are a part of this ecosystem. What we do in one circle affects the other. A corporation is not a separate entity as was previously, mistakenly believed. It lies within the circles of economy, society and the environment, the last being the largest and all encompassing.

Therefore, it is essential for corporations like us to respond appropriately to social and environmental issues and work towards the development of a sustainable society through activities contributing to the positive development of all three spheres. We, at Micromatic Grinding, declare our responsibility to one another, to the greater community of life and the environment and to future generations.

IS DEPENDENT UPON A SOUND ENVIRONMENT

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CHAIRMAN'S MESSAGE

Dear patrons and well wishers of MGT,

In 2008 when global recession had imposed unprecedented challenges on Indian business, we rallied around 'Hope and Resolve'. We had hope in your resilience – and we had hope in the uniquely Indian ability to weather any storm. And most importantly, we had hope in the strength of our relationships. With this hope as a bedrock, we resolved to continue our passion of 'Becoming the Best', of measuring up to your increased expectations and of not failing in our ethical and professional values.

Today within less than 2 years of the global recession, the faith has been vindicated. There is frenetic activity on the Indian shop floor and for us at MGT, if I may humbly add, there is pride in being part of the shaping of a new India.

And now, in 2011, as we step into the next decade, we are adopting a new, more comprehensive perspective of our pursuit of business operations in harmony with the future. In the next decade, businesses must see the larger systems of which all organizations and entities are a part. They must develop policies and approaches to ensure the health of these larger systems. And in the next decade, we must collaborate across boundaries in today's fully linked world and envision a sustainable future for everyone.

'Sustainable Business' is not just a fancy word, it is essential to the long term growth and success of any organization.

This is the 'Necessary Revolution'^{*}, a new paradigm for businesses of the future. And at Micromatic Grinding, we are applying this paradigm across board by putting environmental and social responsibility at the heart of our management practices. We are creating a discourse around this paradigm- through our vision statement, our communications, and by encouraging all employees to apply it to their daily lives. Because of our humanistic management practices, we have become subjects of an international case study. Through our long term association with Gram Niyojan Kendra, we have helped create a business model which gives back to society.

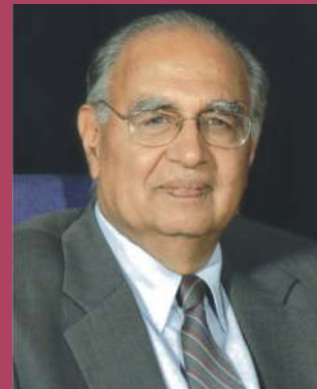
And as the larger spheres fall into place, so do the smallest.

This year too, we have managed to surpass customer expectations, by innovating and increasing productivity, by establishing new joint ventures, and excelling in our position as the no. 1 Machine Tools Company in India. The three circles are perfectly aligned in 2011.

With warm regards

A handwritten signature in black ink, appearing to read 'N.K. Dhanda'.

N.K. DHAND



***"THE NECESSARY REVOLUTION", BY PETER SENGE.**

BRYAN SMITH. NINA KRUSCHWITZ. JOE LAUR. SARA SCHLEY

2010 SAW THE INAUGURATION OF A NEW BRANCH, SOME PRESTIGIOUS ORDERS AND SOME CUTTING EDGE INNOVATIONS AT MGT. HERE ARE THE HIGHLIGHTS OF THE YEAR GONE BY.

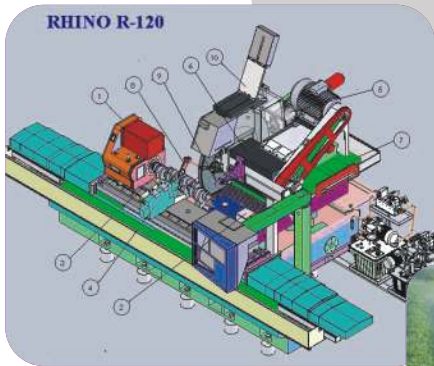
A PRESTIGIOUS ORDER

MGT bagged its largest order of ₹ 14.15 crores from M/s Bharat Forge Ltd. for 15 large size CNC grinding machines.

MGT will be supplying them with 13 machines RHINO R-120 for Crankshaft Main Journals Grinding and 2 machines of 3 m length for Crankshaft End Journal Grinding.

A NEW INDUSTRY SEGMENT

It has always been our quest to cater to diversified industry segments, from Automotives to Agriculture. And in 2010, MGT supplied grinding machines to the leading manufacturers of submersible pumps in Coimbatore and Rajkot. A total of 7 machines have been supplied.



A NEW BRANCH IN SWITZERLAND

On 7th July 2010, the first European branch of MMT was inaugurated in Grenchen, Switzerland. With this office, we aim to make an impact on the European market in our quest of becoming a global player and making "Made in India" a trusted brand in the world!



THE TOYODA MICROMATIC CAM GRINDER

The Toyoda Micromatic Cam Grinding project started in 2006 met its first success by installation of the first high speed CBN machine GC 25-M CAM LOBE grinder, at Musashi India Pvt. Ltd. in January 2010. The satisfaction of the customer brought three more repeat orders from Musashi including one from Musashi Thailand.



Mr M. Venkateswaralu, Mr Manoj Chhilar of Musashi, Gurgaon

AT THE PLANTS

WELCOME TO THE MGT PLANTS. OUR FOUR PLANTS COVER A TOTAL AREA OF 200,000 SQUARE FEET AND HAVE THE CAPACITY TO BUILD 500 MACHINES A YEAR. HERE IS A PEEK INTO WHAT'S GOING ON AT THE GHAZIABAD AND BANGALORE PLANTS, IN THE WORDS OF THE PEOPLE WHO KNOW THE PLANTS LIKE THE BACK OF THEIR HANDS, THE MGT EMPLOYEES.

MGT Ghaziabad: Mr. Mahajan says



At MGT Ghaziabad, several major initiatives were taken in the following areas:

VENDOR PARTNERING

- A Vendor Meet was organized at the Ghaziabad plant.
- Thirty seven vendors attended. All problematic areas were dealt with through a time bound action plan.

TECHNOLOGY

- The Stallion series grinder was established, a complete analysis of the model in terms of cost, application and positioning vis-à-vis the old product and competition was shared with our marketing team.

HEALTH

- Major initiatives taken to take care of the health of our employees.
- Interaction with ESI, pro-active steps to increase health awareness and periodic checks, active participation in the activities of "Sankalp" a CSR initiative by Hindustan Latex for the awareness of AIDS.

ENVIRONMENT & SAFETY

- Water consumption measurement started .
- First aid/ fire fighting training has been organized.

MGT Bangalore: Mr. Narayan Muramatti says

- Micromatic's new plant at Bangalore received MGT's **SINGLE BIGGEST ORDER** ever, of ₹ 768 Lacs, from Bharat Forge Limited
- In its first full year of operations, the MGT Bangalore plant produced 50 machines- 28 hydraulic and 22 CNC. Training of TWI was conducted for 20 people for assembly of machines.

SOME CRITICAL JOB WORKS at SNK Five Face Machining Centre.

- Machining of ISO grid panels for Aerospace applications.
- Machining of fabricated base structures for tyre machinery industries.
- Machining of track master for oil rig industry.

SIGNIFICANT ADVANCES IN TECHNOLOGY

CNC H-Grind 500 x 3000 AWH, ABC 3000 and max Job Wt 750 Kgs. Common H-Grind 1200 was used with bed extension for economical and faster delivery.

Our quest for perfect precision continued with the development of the small size internal grinder Model IG-50.

NEW DEVELOPMENTS

Multidia Gauge for pump industry shaft grinding, Match Grinding application for needle grinding and the development of Piston Ring Grinding.



NEW AND CUTTING EDGE

**TO RAISE NEW QUESTIONS, NEW POSSIBILITIES,
TO REGARD OLD PROBLEMS FROM A NEW ANGLE, REQUIRES CREATIVE
IMAGINATION AND MARKS REAL ADVANCE IN SCIENCE."-ALBERT EINSTEIN**

**So what is new and shining at
MGT this year besides our machines?
In what ways have we grown?
How have we raised
the bar and our
productivity? Here's a look.**

THE MGT BRANCH AT SWITZERLAND

Micromatic Machine Tools Pvt. Ltd, Branch Grenchen, Switzerland was registered on 7th July 2010. It is manned by an all efficient task force of two brilliant MGT employees, Mr. Mohsin Shaikh and Mr. Andreas Zurbuchen, who are currently focusing on providing quick and efficient service to our European customers. However, looking at the potential of the European market, machines are being stocked for demonstration and trials.

Some critical components are already being produced successfully by our customers in Europe. The branch has a spacious shopfloor which can stock 6-8 machines for demonstration. It is also equipped with various toolroom machines like Lathe, Milling machine, Drilling machine, Forklift etc along with inspection instruments.

**EVERY YEAR AT MGT, WE
PUSH OUR BOUNDARIES,
INNOVATE AND COME
UP WITH SOMETHING NEW.
IN 2010, WE CREATED
A TECHNOLOGY THAT ALLOWS
US TO COMPLETELY
AUTOMATE THE GRINDING OF
COMPONENTS ON OUR
GRINDING MACHINES.**

**This is the
Humard Loader and
MGT machine 2414 at Switzerland**



R & D AT MGT

MGT believes that it is necessary to engage in R & D to develop new products and remain competitive in the market.

The MGT R & D centre has been recognized by the Government of India and is constantly engaged in developing new technologies to improve existing machines and create new ones. In 2010, the MGT R & D centre saw some fantastic breakthroughs, some of which are listed below.

NEW SOFTWARE DEVELOPMENT

FOR EASY SET-UP CHANGE & REDUCING SET-UP CHANGE TIME

The customized screen uses an interactive method that allows the system to be operated in accordance with the messages displayed on the CNC display. Thus, even a first time user who is to operate the system, can readily create and edit programs & run the production.

MACHINE MODELS SUPPLIED WITH CUSTOM SCREENS



B-AXIS "FLEXI"



I GRIND 50 "SPM"



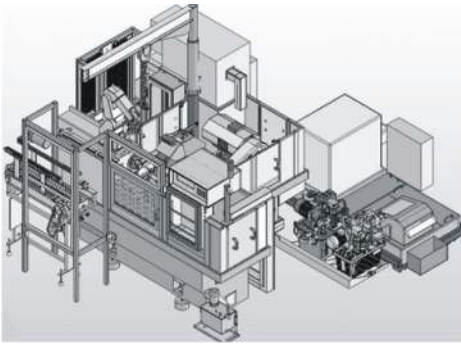
SH-40 CNC "60MPS"

REDESIGNING IT @ MGT

In 2010, we prepared our IT infrastructure to meet all business needs, even before they arose.

MGT has 23 servers and maintaining all these servers at all times was a big challenge. And so, after many rounds of discussion and debate, MGT selected VMware (Virtualization) as the driver of its IT technologies. This deployment will be complete by April, 2011. This redesigning of IT at MGT will make the infrastructure at MGT more reliable and future-ready than ever.

e-Grind320 with Robotic automation for transmission parts



Use of Robotics in machines

Development of highly rigid and low friction Hydrostatic guideways.



Using the same technology we have developed SH63S model which incorporated CBN grinding with 80mps cutting speed. We have displayed the first prototype during IMTEX-2011.

MGT has also developed a complete process for integrating gantry type autoloading and supplied this to M/s Musashi and M/s Bosch.



A new 0.5 microns workhead was developed last year. One of these has been supplied to MGTB. Precision gets closer to perfect.

CASE STUDIES

At MGT, we constantly and consistently try to improve our processes, technology and machines.

HERE ARE SOME CASE STUDIES FROM 2010 THAT REFLECT THIS ENDEAVOUR.

THE h-GRIND-360 X 1200 CNC

30% Direct Productivity increased by grinding in 1 set-up besides saving 90 min. of set-up change time: Special face driving arrangement & straight wheel of $\varnothing 900$ mm was used.

Component Name:- Rotor - Screw Compressor



Trial Results:
 Actual Cycle Time = 21 min
 Cp/Cpk = 1.67 on all OD
 Component weight = 162 kg.

BEFORE	AFTER
Set up change time-90min.	Nil
Cycle time-30min.	Cycle time-21min
Tail stock mounted dresser	Work head mounted dresser to reduce the set-up change time for other type of rotors
Blade type dresser used	Diamond roll is used for consistent result & longer dresser life.

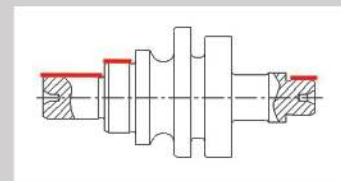


e-GRIND200 CNC

Special face driving arrangement helps in grinding the component in 1 setup instead of 2.
 · Productivity Increase-80%

Component Name: - Cam Shaft

Trial Results: -
 Actual Cycle Time = 28 sec
 Cp/cpk =1.67 on all OD



BEFORE	AFTER
Setup change time - 45 minutes.	Nil
Grinding cycle time/components-50 sec.	Grinding cycle time/components-28 sec



Stallion Heavy SH-40 CNC

High cutting speed reduces grinding forces & high material removal is possible.
 Better geometrical accuracies in less cycle time are achieved i.e. higher productivity.
 · Better quality
 · Productivity increase: 18%

Component Name: - Counter Shaft

Trial Results: -
Actual Cycle Time = 61 sec
Cp/cpk = 1.67



BEFORE

With 45MPS, cycle time was 72 sec.

AFTER

With 60MPS, cycle time is 61 sec.

Stallion SM-100 CNC

· Bed Mounted Multi Dia. Gauge along with Steady Rest helped in achieving Closer Tolerance and better Surface Finish



Component Name: - Pump Rotor Shaft



Trial Results: -
Actual Cycle Time = 166 sec
Cp/cpk = 1.33 on all OD
Taper on OD = less than 5 microns
Surface Finish = 0.25 to 0.4 Ra

BEFORE

Surface finish-0.4 Ra.
 Taper > 11 microns

AFTER

Surface finish -0.25 to 0.35 Ra.
 Taper < 5 microns

IMTEX 2011

**40,000 SQUARE METERS.
750 MACHINES.
800 EXHIBITORS
FROM ACROSS
23 COUNTRIES.**

This was IMTEX 2011, the 15th edition of the International exhibition on metal-cutting machine tools and manufacturing solutions concluded recently in Bangalore.

MGT displayed the following state of the art high precision grinding machines-

1. iGrind 50 CNC Internal grinder - a new product launch
2. Rhino – 7 axes CNC Crank Pin grinder
3. Stallion SH 63 STAT CNC grinder equipped with hydrostatic guide ways for Z axis - a new product launch
4. SM 100 – CNC grinder
5. Simple Grind 50 CNC cylindrical grinder - a new product launched keeping in mind the aam aadmi and to ensure that CNC grinding technology is affordable.
6. eGrind 200 hydraulic cylindrical grinder for tool room applications.

Customers were very appreciative of the high level of indigenous technology developed by MGT in the new generation machines displayed at IMTEX 2011.

They also admired the ergonomics, fit and finish of the new range of MGT products. Several customers expressed their delight on seeing the TPM friendly MGT grinders with innumerable TPM points imbibed by MGT over several years of association with TPM gurus of industry.

2861 enquiries were received and thirty five of them have already been converted into sales orders with a total value of ₹ 5.5 crores. This goes to show that the Ace Micromatic Pavilion at IMTEX 2011 was well attended, appreciated and had a measurably successful impact.



IN FOCUS

**PRECISION.
IT IS THE QUALITY OF EXACTNESS.
AND AT MGT, WE TRY TO UNDERSTAND,
CREATE AND DELIVER PRECISION THAT
IS MORE ECONOMICAL THROUGH OUR
MACHINES. TAKE A LOOK AT
THE STARS OF IMTEX 2011.**

CNC Internal Grinding Machine IG-50

Material :	En353
Maximum Chuck diameter	210 mm
Max./Min Grinding Diameter	5-50 mm
Grinding length	70mm
Peripheral Wheel speed	33m/sec
Belt Driven Spindle	8000-60,000 rpm
HF Motor Spindle: 10 μ m	8000-1,60,000 rpm
Work Head Spindle Nose:	A2-4 no.
Hyd. Draw bar force at 15 bar	500 kgf



Simple Grind 50

Swing Over table	260 mm
Admit between center	500 mm
Grinding length	400 mm
Grinding diameter	100 mm
Peripheral Wheel speed	33m/sec
Spindle power	3.7(5.5) KW
Work head taper	5 MT
Tail stock taper	4 MT
Micro taper correction range	+/-0.040 mm

Stallion SM100 - CNC Grinding Machine

Swing Over table	320 mm
Admit between center	1000 mm
Grinding length	1000 mm
Grinding diameter	100 mm
Peripheral Wheel speed	45m/sec
Spindle power	7.5 KW
Work head taper	5 MT
Tail stock taper	5 MT
Micro taper correction range	+/-0.040 mm



WE ARE SURE THAT THE NEXT DECADE WILL DEMONSTRATE WHAT WE HAVE ALREADY RECOGNIZED, THAT CORPORATE SOCIAL RESPONSIBILITY IS MORE THAN JUST A NICE THING TO DO, IT IS CRITICAL TO THE LONG TERM SUCCESS OF ANY ORGANIZATION.

MECHANICAL or HUMAN?

Does a company that makes the machines have to be mechanical?

We've never believed so.
That is what has made us responsive.
To our customers. Our partners.
Our co-workers.
Even to our environment.

Flexible enough to meet every need.
Alert to every requirement.
And finally resourceful enough to respond to every challenge.
We are not afraid to change.

Maybe that's what has made us a leader in the Indian Machine Tools industry.

HOW BIG is your SOCIETY?

Is it the individual?
The family? The company?
The whole world?

We try not to differentiate. Our economy and its sustained growth is dependent upon the society and environment. All these circles have a common centre. What affects one affects the other. That's why we conserve electricity and re-use water.
That's why we run innovation programs with all employees where their ideas are brought to the fore.
That's why we educate village women to achieve self sustainable employment.

Maybe that's why the Switzerland based International Humanistic Network chose us as one of three Indian Companies to use as a case study.

The mission for a better global society is well within human reach provided we can produce the right leaders for tomorrow, develop a global outlook, combine ethics with economics and target a growth that is sustainable and inclusive. At Micromatic, we have always operated within the socially desirable parameters of fair practices, business ethics, good governance, corporate social responsibility and philanthropy.

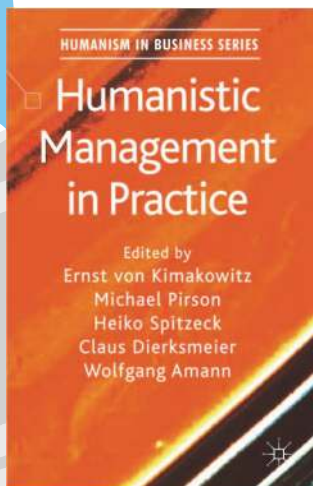
THE HUMANISTIC NETWORK CASE STUDY

THE SWISS BASED INTERNATIONAL 'HUMANISTIC NETWORK' CHOSE MICROMATIC GRINDING AS ONE OF THE TWO INDIAN COMPANIES (THE OTHER BEING TATA GROUP) TO USE AS A CASE STUDY FOR ITS 'HUMANISM IN BUSINESS' SERIES.

'Humanistic Management in Practice', the book in which the case study appears, is a collection of business cases from all corners of the globe, in a variety of industries and sizes. What unites this group of businesses is that all of them are highly successful market actors in a competitive environment and yet they consider their ultimate aim as the generation of societal benefit rather than maximum profit.

WE, AT MGT, ARE PROUD TO BE CHOSEN FOR THE STUDY AND CONSIDER IT AS AN AFFIRMATION OF THE DIRECTION WE HAVE TAKEN. PRESENTED BELOW IS AN EXTRACT FROM THE STUDY.

THE BEST INPUTS FOR MAXIMIZING YOUR OUTPUT: HUMANISTIC PRACTICES AT MICROMATIC GRINDING



FROM "THE PHILOSOPHY OF MANAGEMENT"

Mr. N.K. Dhand, the managing director of Micromatic Grinding Technologies Ltd (MGT), looked up pensively as the clock struck four in his small cabin. In another half an hour, he would be in a **'No-Agenda' meeting** with some of his employees. It was called no-agenda meeting because that is what it exactly was. Anyone was free to share anything in the meeting, be it complaints about the flavour of the tea being served in the company's premises, a philosophy about life and love, the vision of the organization, or fears of recession. The MD would be listening, and sometimes sharing his views with some 10-15 officers and workers, many of whom had joined only a few months ago.

The process of culture building process has been given a renewed thrust through this one-hour meeting of 8-10 people held with the MD at intervals, wherein the employees can initiate and 'talk about any topic in their minds'. These are **'Truth' & 'Self-awareness' sessions**. The statements are recorded (in Hindi if required) and a copy distributed to all in the end. Employees express their sentiments about a range of issues, including their own reflections about life, process improvements that are required in some units and how to achieve team-work.

In fact, at MGT, encouraging every individual to communicate freely and openly is recognized as an effective way of showing respect to the individuals. In addition, it avoids all the troubles related to inevitable loss of communication down the line, which often results in distorting the facts and unfortunate interpretations at all levels. It also provides a personal touch, which the MD believes is most vital for such important matters as reinforcing the value system of the company. Of course, it puts a direct responsibility on the top management to 'Tell It, As It Is'.

APPLYING THE 'NEW PARADIGM'

The new paradigm of business, the paradigm that puts environmental and social sustainability at the heart of our management practices and therefore paves a way for creating a business of the future, requires first, that our collective thinking change.

And so, on 1st April, 2010, we had an open general meeting. The topic for brainstorming? "In what ways should our thinking change so it is reflected in our daily actions?"

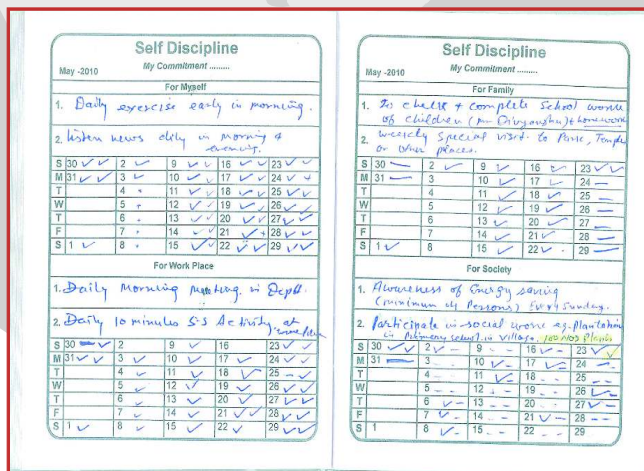
Based on our core ethical values, we developed

"Operational Values", which help us to focus on issues of quality & sustainable inclusive growth.

And we realized that there was one value which influenced all other values and without which it was impossible to apply and practice the other values- "Self Discipline".

So, Self Discipline became our core value, and based on that, we redesigned our pocket diary to help every one focus on the 4 areas of Self Discipline.

THE MGT POCKET DIARY



1. TWO IMPROVEMENTS FOR MYSELF.
2. TWO IMPROVEMENTS AT WORK PLACE.
3. TWO IMPROVEMENTS FOR MY FAMILY.
4. TWO IMPROVEMENTS FOR SOCIETY.

BUT THESE ARE NOT JUST WORDS, TO BE PENNED DOWN AND FORGOTTEN. OUR EMPLOYEES ARE LIVING UP TO THE 'NEW PARADIGM' IN MANY DIFFERENT AND VALUABLE WAYS.

MEET MR. DAVID TECHNICIAN (ASSEMBLY). HE IS AN MGT TECHNICIAN WITH A HEART OF GOLD.

16th Feb. 2011. A young boy was seriously injured in a road accident. A big crowd gathered to see the injured person but nobody was ready to help him. Mr. David MGT technician was also passing by but he stopped to provide emergency help without worrying about his own self or police harassment and took the injured boy immediately to a hospital, thus helping to save his life.





Mr. Pradeep Rana. “Asst. Mgr. Paint Shop”

To improve myself:

- I will do daily exercise.
- Listen to the news daily in the morning & evening.

At my work place:

- Daily morning meeting in Dept.
- Daily 10 minutes “5S” activity at workplace.

For my family:

- Check school homework of my child.
- Take the family for a visit to the park, temple or other places once every week.
- Doctor has advised for my child to take some fruit daily. I will ensure availability of fruit daily at home.

For society & environment:

- Awareness of energy saving to minimum 4 people on every Sunday.
- A 100 trees planted in a primary school at my village.



Mr. Yogeshwar: Machine Shop (Operator)

For society & environment.

- Made a team & collected ₹300 from each house to shift the electric poles & got aluminum wires replaced by insulated wires.
- Collect one packet of food from each house monthly & send 50 food packets to Prachodana, a NGO providing meals to hungry people



Mr. Ashupal: Assembly (Technician)

For Myself:

- Have patience.
- Be calm.

For work place.

- Give 4 suggestions monthly.



Mr. KHUSHAL SINGH RAWAT HR (Officer)

For family:

- I will send my children to school daily in the morning.
- I will give 2hrs daily to my spouse.

For Society :

- I will never waste water
- I will never use poly-bags.

MGT GNK INITIATIVE FOR SOCIETY

MGT HAS HAD A LONG AND SUCCESSFUL COLLABORATION WITH THE GRAM NIYOJAN KENDRA, AN NGO WORKING TOWARDS THE UPLIFTMENT AND DEVELOPMENT OF THE UNDERPRIVILEGED.

Through this long term association, we have helped create a business model which gives back to society.

In 2010, the Gram Niyojan Kendra in association with MGT started the Reispur Development Program.

The **objectives** of this program are-

- Capacity building of women and girls – creating awareness of reproductive and child health issues.
- Providing functional skills and developing individual/group entrepreneurship
- Clean Environment-Proper waste management
- Serving the elderly and sick

The **strategies** adopted were-

- Establishment and running of training centres
- Community contact (group meeting, individual counseling, etc.)
- Developing awareness
- Group Work and group formation
- Linkage development with resource agencies and persons/families
- Regular monitoring

With these objectives in mind, a series of activities were organized. And most showed spectacular results!!!



Dress Designing

20 Girls have been trained under dress designing-all of them are self employed and earning ₹ 1,500 to 2,500 per month.



Bag Making

10 Girls and women have been trained in bag making. All are self employed.



Beauty Culture

15 Girls and women have been trained in beauty culture, all are self employed and are earning ₹ 500 to ₹3,000/-



Health Attendant Training program

60 Health Attendants have been trained in two batches-all are self employed. They are earning ₹ 5000/- - ₹ 7,500/- per month

Management of Self Help Groups

6 Self Help Groups have been linked with DUDA programme. 85% of the beneficiaries are girls and women.

Reproductive and child health

72 pregnant women took the benefit of Janani Suraksha Yojna. 122 pregnant women registered with 6 Angan Wadies.323 women and children have been vaccinated.

Waste disposal

4 meetings have been organised with 12 members from the community. The process is on.

EVERY COMPANY EXISTS IN THE CONTEXT OF ITS ECO SYSTEM AND WHILE MOST OF THE EFFORT IS DIRECTED TOWARDS THE BUSINESS GOALS, IT IS IMPORTANT THAT THE ECO SYSTEM OF THE COMPANY IS PROTECTED AND ENHANCED OVER THE YEARS.

THE NEGATIVE IMPACT OF MINDLESS RESOURCE UTILIZATION WITH NO EFFORTS AT ENVIRONMENTAL ENHANCEMENT HAS GIVEN RISE TO HUGE GLOBAL PROBLEMS THAT CAN ALTER THE WORLD FOR OUR CHILDREN. AS A RESPONSIBLE CORPORATE, MGT SEEKS TO ENHANCE THE ENVIRONMENT IN A MULTITUDE OF WAYS.

By using **re -usable pallets** for transportation from the Ghaziabad to the Bangalore factory. We save 173 mango trees or 243 Eucalyptus trees annually.

VAM (vapour absorption machine) for CFC free, air conditioning has been deployed since 1997 at the Ghaziabad plant

MGT invested in new integrated ETP with STP for appropriate treatment of all liquid waste at its new plant in Bangalore

Powder Coating technology is being used in place of spray painting **reducing air pollution** substantially. Annual cost saving approx. ₹ 400,000.

MGT celebrated the **Environment year** in 2010 by recycling water.

The raw monthly consumption of water at MGT was 327 KLD. 190 KLD of that water was ETP and STP treated and reused for the gardens.



58% of the total water consumed was re-used.

Not only this, we also save water by stopping coolant tank washing and using only waste cloth for cleaning.



NEW POWDER COATING LINE AT MMS



ENVIRONMENT & ERGONOMICS

MGT's subsidiary org. MMS created another landmark in 2010 by establishing the Powder Coating line for the machine enclosures for MGT machines &

other customers. This technology is not only environment-friendly reducing air-pollution by 80% but also substantially reduces health hazards to the workers.

**DECLARING OUR RESPONSIBILITY TO ONE ANOTHER,
TO THE GREATER COMMUNITY
OF LIFE AND THE ENVIRONMENT,
AND TO FUTURE GENERATIONS**



AN OVERVIEW

37 YEARS

Of Unchanged Commitment to Customers
Your technology partner since 1973 in
CNC & Hydraulic Cylindrical, Internal,
Universal and Special purpose
Grinding Machines

4 PLANTS

3 in Ghaziabad. 1 in Bangalore.
Covered area of 2,00,000 Sq. feet
A trained workforce of 400 people
Capacity to build 500 machines every year

7 AWARDS

"BOSCH" BEST SUPPLIER AWARD 2009
BEST PRODUCT - IMTEX'07.
"HMSI", BEST SUPPLIER AWARD 2006
'SECOND BEST PRODUCTIVITY PERFORMANCE AWARD' - GOVT. OF INDIA, 1998
IN-HOUSE R&D CENTER, RECOGNIZED BY GOVT. OF INDIA 1982
'BEST DESIGN & BEST PRODUCTS' - IMTEX'79.

12 APPLICATION AREAS

Automotive. Printing. Agriculture.
Cutting tools. Electricals and Electronics.
Aerospace. Steel Mills. Tooling. Machine tools.

₹ 100 CRORES IN TURNOVER

Expected turnover in 2011
₹60 Crores of turnover in 2010
Market leader in India since 2005
50% of India's market share

4000 INSTALLATIONS

Across the world.
98 % up-time for MGT grinding machines

7 FOREIGN ASSOCIATES

Waelti & Fumasoli- Switzerland
Rewitech SA - Switzerland
Micromatic Machine Tools (Shanghai) Ltd.-China
Midtech Engineering Solutions LLC – Dubai UAE
RSS Grinders – USA
Temsan Makine-Turkey
Quality Machine Tools Pvt. Ltd. –Australia

1000 CUSTOMERS

Hero Honda. Rane Group. Bosch India.Tata Motors. TVS.
Guehring Germany. Bajaj Auto. Kirloskar Group.
Rewitech Switzerland. Cummins Turbo. Godrej.
Musashi, Toyota Kirloskar, Sohna Group and more.

GLOBAL LEADERSHIP



Already enjoy leadership in India.
Export all across the WORLD.
A joint venture with the world's top
machine tool company
JTEKT (TOYODA) JAPAN

WORLD CLASS HIGH TECHNOLOGY



Created a machine that could deliver
OD Roundness less than 0.8 micron
and achieve Straightness accuracy of
1 micron with addition option
of flat grinding.

GRINDING MACHINES



Association with world class institutions
for developing new grinding machines.
In-house R&D recognized by Govt. of India since 1982
Association with IIT Delhi & IIT Madras
Recently developed 'Stallion' series, bed structure
designed in consultation with Aachen University, Germany.

CREATING CUSTOMER DELIGHT



Focus on customer loyalty,
delivery of a high quality product or service
and a progressive vision to stay
a step ahead of the competition.

SELF MOTIVATED TEAM MEMBERS

Ownership. Exactness.
360 degree involvement.
Total employee engagement.
Daily Improvement.
Safety. Excellence. Speed.
Communication. Vendor Partnering.



A HARMONIOUS ENGAGEMENT



Assumptions are examined everyday to arrive at better ways
– ways that are more synched with the natural order of doing business.
– the new way requires collective thinking to change. So the “ Quality of Thinking” at all levels must change for attempting “ Inclusive Growth”

ECO FRIENDLY PRACTICES

Save wood by using re-usable pallets for boxes etc. Multiple innovations to save electricity and conserve and reuse water and other materials.
Adoption of eco friendly ways of machine manufacturing



SOCIAL RESPONSIBILITY

Through an association with Gram Niyojan Kendra, the process of giving back to society has started in 1992. Thousands of underprivileged women have attained self sustainable economic levels.



**Sales & Service by
Micromatic Machine Tools Pvt Ltd**

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Kolhapur

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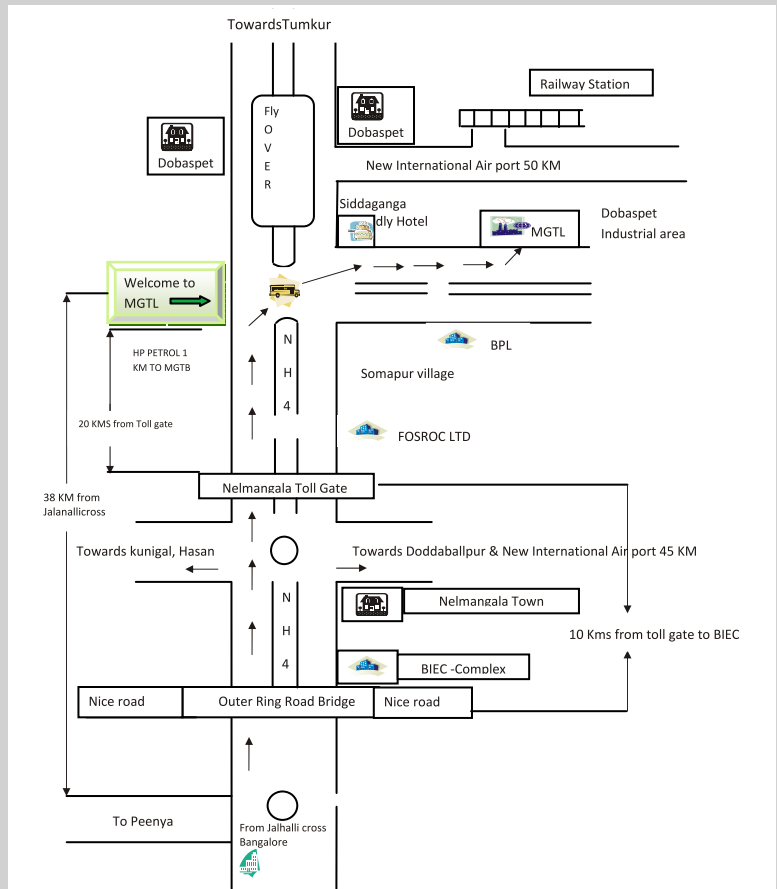
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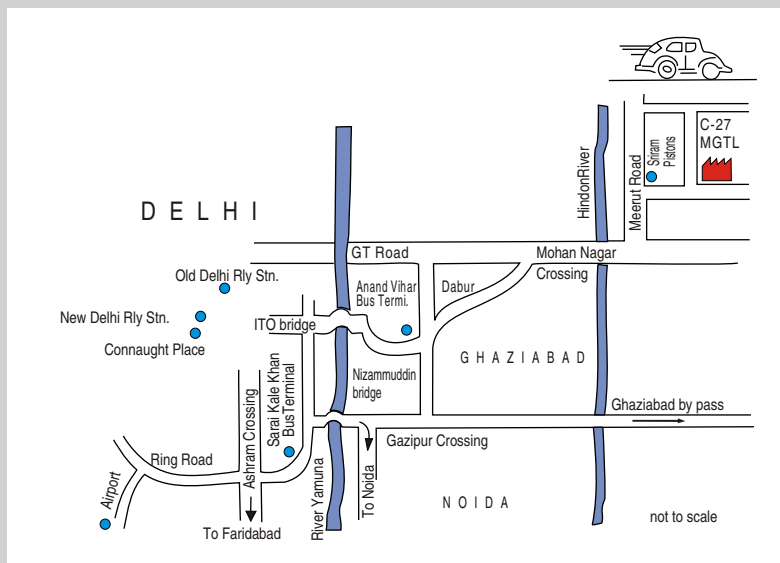
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