

GRIND MASTER

Ideas. Solutions. Results.

NEWS LETTER

Dec 2010

Over 25 years of experience, 4000 installations...

All of us are closing this year 2010 with bright note & big plans for 2011, as we see big opportunities for 2011. Year 2010 was extremely eventful at Grind Master. We expanded our customer base not only in India but also marched into the '**land of Dragons**' We successfully executed a prestigious order from General Motors, China for crankshaft superfinishing machine, this machine was built to International "machine build & safety standard" & it performs a 'mission critical' operation to maintain size & stringent surface finish requirements We bagged the order against German competition & we happen to be the only Indian Machine Tool supplier for this large automotive project.



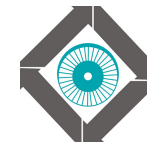
It given me a great pleasure to announce the influx of the next generation in to Grind Master family. Our son Sameer, IIT Bombay & UC Berkley graduate has recently joined us & will focus on R & D activities starting with robotic deburring & finishing applications.

We will be presenting some of these innovations at forthcoming IMTEX-2011 & look forward to meet you.

I wish you & your family a very **HAPPY NEW YEAR**

MMK/r

Abrasive Division



PRECISION ENGINEERS

Export Division



MK International

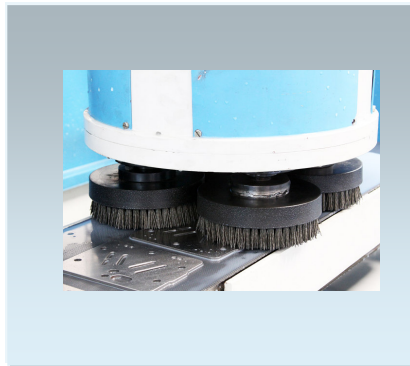
Microfinishing | Lapping | Superfinishing | Belt Grinding | Polishing | Deburring

Simple Low cost Precision Deburring Machine

Conveyorised deburring machine with planetary brush heads offered by Grind Master is used for precision deburring operations.

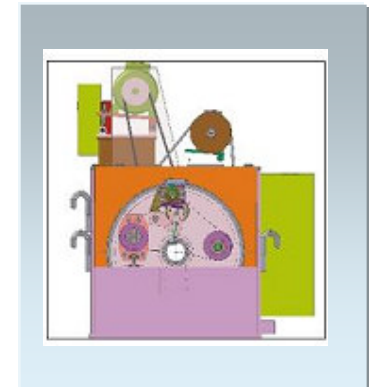
This deburring operation creates micro radius on the edges

Major applications are sintered parts, common rail pump parts like stator, rotor plate, distribution plate, valve plate etc. where precision deburring is required.



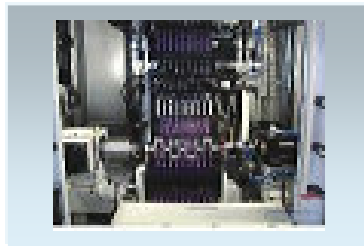
On-line Bar Grinding & Finishing Machine

This is a high production online machine, used for descaling & abrasive finishing of round bars. It has planetary belt grinding head which rotates around the bar/tube (up to 40 M/min) such units can be installed on line to get faster output.



Leadership in Microfinishing

This microfinishing machine for crankshafts of General Motors is built with IMPCO patented technology for in process gauging. It achieves size control within ± 5 microns to a 1.67 Cpk. Machine has special feature of 'Automatic set up of arms' This has brought down set up change time to 30 minutes



Achievements

Grind Master has successfully forged a strategic alliance with Micropoise Balance Engineering, of USA, formerly ITW. We will thus offer now crankshaft Balancing machine built with designs from Balance Engineering.

 **Balance Engineering**



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Events

Annual Family get together at Hiranya – Nov-2010



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