



Dear Friends,

I have been in touch with you for the past one year on developments taking place in our industry and at Solitaire. I am pleased to inform you that Solitaire sailed through another year of recession in our industry and retained its position. The quality conscious customers maintained faith and trust in Solitaire to deliver Centerless Grinders and solutions for better quality and productivity.

The new year has brought more challenges and Solitaire is ready to meet these new targets laid down to meet international standards. Solitaire's customers have made them their partners in progress to meet export requirements to USA, Japan, Germany, Italy and other countries.

Solitaire has remanufactured number of Cincinnati, Malcus, Estrata and other Centerless Grinders over the years. Solitaire has reached a new milestone by completely remanufacturing a *Cincinnati Twin Grip Centerless Grinder Model 340-20* with 500 mm wide wheels for a major Automotive components manufacturer.

Recognizing the changes in trends in customer's needs for cost effective solutions, Solitaire has set up an independent plant for Remanufacturing, CNC Retrofitting and various servicing activities for our customers. The new facility is close to Solitaire's current plant and is fully tooled up for all the machining, grinding and assembly functions.

I would like you to see overleaf the photographs of remanufactured grinder before and after remanufacturing. The general details of remanufacturing are also shown for reference.

I would like to share with you that Solitaire had recently sponsored a seminar under the auspices of *Indian Society of Manufacturing Engineers*. The subject of seminar was *Emerging Trends in Grinding Technology*. The seminar was co-sponsored by other major manufacturers of CNC systems, Precision Grinders, Grinding wheels and Automation systems. The seminar was well attended and it had given us all a platform to discuss about the upcoming challenges for better productivity and quality in our industry.

With warm regards,

A handwritten signature in black ink, appearing to read 'P.J. Sheth'.

P.J. SHETH

Precision to the last micron



Details Of Remanufacturing



- Completely dismantle machine.
- Disassemble all sub assemblies and other units.
- Clean all parts of machine. Inspect all parts of the machine.
- Paint all parts of machine with Acrylic Polyurethane paint.
- Regrind or rescrrape regulating wheel housing, upper and lower slides, swivel and bed casting - Rescrrape or replace and adjust gibs.
- Regrind or rescrrape regulating wheel dresser slides - check and rebuild/replace hydraulics.
- Regrind or rescrrape grinding wheel dresser slides - check and rebuild replace hydraulics.
- Recoat regulating wheel spindle, grind to original diameter and rescrrape and replace or rescrrape special alloy bronze bearings.
- Recoat grinding wheel spindle, grind to original diameter and replace or work bearings, as required and scrape to suit spindle.
- Rebuild transmission and replace worn pulleys, belts, etc.
- Rebuild hydraulic unit and pump. Replace hoses, fittings as necessary.
- Rebuild or replace regulating wheel infeed lead screw / ball screw.
- Replace all chains, sprockets and belts, as necessary.
- Overhaul lubrication system. Replace parts, as required.
- Overhaul electrical system.
- Assemble machine and test. Grind customers parts to required tolerances.

IF YOU THINK OF CENTERLESS - THINK OF SOLITAIRE



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