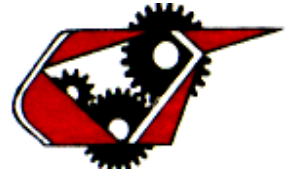


COMTEC MFG., INC.



DESIGNERS AND MANUFACTURERS OF POWDERED METAL COMPONENTS

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QUARTERLY NEWSLETTER

To Our Market:

March 30, 2009

This is the 1st in a series of quarterly newsletters directed to our customers, potential customers, and our sales representatives with the intent to stimulate creative thought by sharing information on company issues such as personnel additions/changes, equipment acquisitions, technology achievements, awards/certifications/ratings, etc., etc.

In addition, we will also “showcase” a sample part with highlights on engineering solutions with regards to the part’s use, alloy content, complexity or performance issues, production volumes and cost, tooling cost, material handling, and process control characteristics with their statistical capability in production. Since we are an OEM it will always be necessary to have the customer’s approval prior to using their part for the “showcase”.

To start off we would like to thank you for reading this far into our newsletter and we promise this one will be the longest one with the remaining newsletters being short, factual, and to the point. At any point in time that you may have questions regarding it’s content please contact us at www.comtecmfg.com.

We are happy to announce that beginning March 16, 2009 Mark A. Young is “on board” to fill the recently vacated position of process engineer (yes we are hiring!!). Mark is a seasoned engineer with experience in the powdered metal industry having worked at leading organizations including Center for Innovative Sintered Products, Brockway Pressed Metals, NetShape Technologies, and Keystone Powdered Metal Company. Some of you will have the chance to work with Mark on product launches, or as technical support is required.

Last fall we purchased a new 45 ton Gasbarre Die Set Series molding press with multi motion action. This press will compliment existing multi-action press equipment which gives us even greater capability to produce complex geometrical shapes without additional secondary processing. In addition, this press and existing presses that produce complex net shapes have been fitted with programmable robots and material handling accumulator tables to minimize part movement in an effort to eliminate cracks and chipping of the delicate “green” compacts.

We are seeing the requirement for higher strength ferrous alloyed materials that yield better physical properties and performance. At Comtec, we are currently producing densities of up to 7.40 gr./cc with conventional pressing and sintering. This is opening up new applications for product that was otherwise produced from wrought ferrous alloys, and we expect to achieve even higher densities in the very near future.

Showcase “Part of the Quarter”



Part Name: “Worm Gear”

Part Use: Overhead door opening mechanism

Alloy: Copper Steel

Quantity: 20,000 piece production run

Part Cost: Inquire at www.comtecmfg.com/rfq.html and ask for “showcase” part costs

Tool Cost: Inquire at www.comtecmfg.com/rfq.html and ask for “showcase” part costs

Part Specifics:

One of several helical gears produced by Comtec that demonstrates our capability to produce complex shapes with special attention given to material handling throughout the entire manufacturing process. This AGMA class 6 gear with a 7 degree helix angle is produced with a density above 7.00 gr./cc. It receives a heat treat & temper to HRC 30 minimum apparent hardness. Tooling consists of rotating upper and lower punches mounted on thrust bearings, a rotating core pin, and a helix die all which move upon molding and ejection to accommodate this geometry.

This part replaces a machined gear which was very costly and had long lead times to produce, and, the P/M version was better performing due to it’s ability to hold lubricant.

Notes:

Next quarterly newsletter will come out June 30, 2009. Until then, if you have questions on content or need design assistance please contact us at www.comtecmfg.com.