

1991123

From the Desk of JACK CHAMPAIGNE...

M. S. Park of Daewoo Heavy Industries writes, "Please inform the method of repairing incorrect contour surface after machining and chemical milling, etc." This is not an easy question to answer in a small space. I suggest you contact some of the following people for help:

Dave Cook, National Metal Finishing, PHONE: 214/630-4191
Jim Burr, National Peening, PHONE: 704/872-0113
Jim Daly, Metal Improvement Co., PHONE: 210/843-7800
Shaker Meguid, University of Toronto, PHONE: 416/978-5741
Michel Cardon, Inter-Blast, PHONE: 33-1-30-690909 (France)

If anyone else can help, please call Mr. Park at Daewoo Heavy Industries, Republic of Korea, PHONE: 551-80-6675 or FAX: 551-80-2383.

Tom Zajec called to say he remembers repairing aluminum propeller blades at Hamilton Standard back in 1946-1947. The procedure was to remove a nick or gouge and then use a (manual) ball-peen hammer to restore the compressive stresses. Later, an electric driver tool with a 1" diameter ball was used to control the uniformity of the impacts.

Heard It On The Street...

Wheelabrator (Atlanta, GA) got two (2) machine orders and Pangborn (Hagerstown, MD) got five (5) machine orders from Boeing Commercial Airplane. They must be peening up a storm in Auburn, WA.

Metallurgica Toniola S.P.A. and Palveri E. Metalli S.P.A. have merged and will be known as:

Pometon, S.P.A.
Via Circonvallazione, 62
30030 MERNE DI MARTELLAGO (VENICE)
Partita I.V.A. no, 00184410172

Question...

David Crownover, Western Wheel-Howell (517/546-3443) wanted a source on CO-2 shot peening. Any information would be helpful.

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"All you need to know about shot peening...
...is our phone number."

(219) 256-5001
FAX (219) 256-5222

DEPARTMENT NEWS...

OOPS DEPARTMENT... Check it out. MIL-S-13165B paragraph 4.3.2.1 allows surface removal up to 10% of arc height. This allowance is missing in MIL-S-13165C, refer to paragraph 3.3.10. Any surface alteration after peening is **forbidden**.

OH NO DEPARTMENT... MagnaValves apparently have a hidden feature that several customers have discovered accidentally. It appears that if you pretend the dust collector doesn't need to be maintained, the MagnaValve goes berserk. The collection of metallic powder (formerly metallic shot), once packed into the MagnaValve, can cause erratic or diminished flow rates, resulting in a "low alarm" condition. Any customer using this new benefit should contact the manufacturer...we forgot to charge extra for this option!

YOU'RE KIDDING DEPARTMENT... Did you know that record keeping of machine conditions is required by MIL-S-13165C for **every Almen strip**? See paragraph 4.2.5. If you haven't been keeping records, now is a good time to start. Additionally, you can plot arc height on SPC chart paper and demonstrate processes consistency (or lack thereof).

WE HAD FUN DEPARTMENT ... A band of shot peeners gathered in Hollywood last November to attend an IITT sponsored seminar on shot peening. The Hollywood Roosevelt Hotel on Hollywood Boulevard, across from the world famous Chinese Theater, was home for over 30 attendees. The walk up hill to the Yamashiro Japanese Restaurant was easy for Susan Moehring, but some others, including the author, were puffing. The view of Los Angeles was awesome and the food (and desert) were fabulous. Then, someone got lost walking back down the hill after dinner. What a group!

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Jack Goldman or Noreen Warrens

Bingo No. 43