FROM THE DESK OF JACK CHAMPAIGNE

For NCMS membership information, call:
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"Aerospace News", a newsletter by Vacu-Blast International (U.K.) and Matrasur (France) is available. Contact:
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Call For Papers - AeroTech 89
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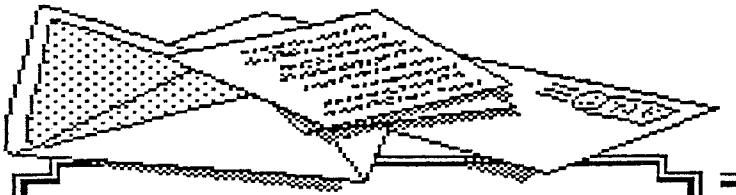

Cards & Letters

ELP

THE SHOT PEENER got a call from someone using wheel peening and was getting too high of an arc height, even though the machine was set up identically to an existing machine.

We suggested the following:
1. Check shot quality for size and hardness.
2. Check wheel speed and flow rate calibration.
3. Check Almen strip for hardness flatness.

The culprit . . . although both wheels were drawing equal currents, the variable frequency A.C. drives were not set up identically. Since the voltage and frequency were different, the load indicated by the ammeters would not be similar.

Moral: run a true catch test and calibrate flow meter to actual rates.

HELP

Got a question or problem relating to shot peening? Call THE SHOT PEENER. We have a large library of literature.

HELP

THE SHOT PEENER got a call from someone doing air peening using a suction blast system. The intensity had fallen to the lower limit and increasing air pressure didn't solve the problem.

We suggested the following:
1. Inspect shot quality for size hardness.
2. Inspect nozzle bore
3. Check Almen strip hardness and flatness
4. Review chemical/physical properties of workpiece.

The culprit . . . turned out to be internal wear of the nozzle found by sectioning the nozzle.
Moral: sometimes additional investigation is necessary. Turbulence inside the nozzle caused by wear can reduce peening intensity.

HELP

THE SHOT PEENER got a call from someone looking for I.D. peening nozzles (or lances). We recommended:

1. Pangborn Corp.
2. Vacu-Blast Corp.

(Editor: can anyone add more sources? We'll include in next issue.)