



**HOUGHTON INTERNATIONAL**  
**DIE CASTING SURVEY FORM**

1. Houghton Technical Representative \_\_\_\_\_
2. Customer \_\_\_\_\_
3. Customer Address \_\_\_\_\_
4. Contact Names and Position Held:  
\_\_\_\_\_  
\_\_\_\_\_
5. Manufacturer and name of product being used \_\_\_\_\_  
\_\_\_\_\_
6. Concentration \_\_\_\_\_ Cost \_\_\_\_\_ Usage \_\_\_\_\_
7. Product purchased in drums, totes, or bulk \_\_\_\_\_
8. Is product wax based or synthetic \_\_\_\_\_
9. Type of water that is used to make die spray (circle one)  
RO          DI          CITY WATER          WELL
10. What is the hardness of the water \_\_\_\_\_ ppms.
11. Method of application (automatic or manual) \_\_\_\_\_
12. Do they have trouble with die lube build-up on die, sprayer and machine? Yes or No
13. Do they have trouble with solder build-up? Yes or No
14. Condition of die lube proportioning system (circle one)  
Good          Average          Poor  
Could we help them by updating the system? Yes or No
15. Waste Treatment (type of filtration)  
In-House or Municipality

16. What type metal is being used to make the castings? (circle one)  
Al Mg Zn Other
17. What are the alloy numbers: 360, 380, etc. \_\_\_\_\_
18. How many machines \_\_\_\_\_ Size of machines \_\_\_\_\_
19. Casting weights \_\_\_\_\_
20. Average die temp before spray \_\_\_\_\_  
and after spray \_\_\_\_\_
21. Die condition (circle one) Poor Average Good
22. Do they use start-up lube (circle one) Yes No  
If yes, what type \_\_\_\_\_
23. Do they use anti-solder paste (circle one) Yes No  
If yes, what type \_\_\_\_\_
24. Do they quench or air cool the casting? \_\_\_\_\_
25. What type of FRHF do they currently use? \_\_\_\_\_
26. How often can you call on this account? \_\_\_\_\_
27. Would a change be cost driven or would they like to see  
improvement? (circle one) Cost or Improvement
28. Are they willing to test our product in the near future (circle one)  
Yes or No

**PLEASE FORWARD THE COMPLETED FORM TO:**

**Houghton International Inc.  
Metal Forming Department  
P. O. Box 930  
Valley Forge, PA 19482**

**Fax – 610-666-5689**