

Usability Test for Create and Add New Machine in the Machines Maintenance System (MMS)

Project Summary

Currently ABC Company relies on contacting an outside consultant to supply important vent and/or vacuum block measurements to potential customers for future die cast products. (It sometimes takes over a week to receive the measurement calculations back from the consultant.). Mechanical engineers at ABC Company just recently were given access to and trained on how to use the new EZ Block Sizer web-based software application. This application allows mechanical engineers (and/or sales employees) to enter specific information into the application and create an inquiry and block sizing request for proposal (RFP) for vent and/or vacuum blocks for a potential die cast customer.

The EZ Block Sizer software application accurately calculates the evacuation area and size of a device used to evacuate a die casting cavity used in the high pressure die casting process. The software application utilizes a series of casting and machine attributes to perform calculations providing a result that is used in selecting the block size. Some of the machine's attributes (manufacturer's specifications) are selected when creating a new inquiry (RFP) and block sizing in the EZ Block Sizer software application. To accurately generate the block sizing results in the EZ Block Sizer software application, the machine attributes need to be updated periodically in the MMS (database). The MMS administrator(s) will be responsible for keeping the machines attributes and specifications up-to-date in the in the MMS to ensure accurate calculations are then generated in the EZ Block Sizer software application.

The instructions for how to access and update the MMS training will be delivered via an e-Learning module that can be accessed via the Internet. Because the MMS may only need to be accessed periodically, due to new machine updates, the eLearning course can be accessed as often as needed as a refresher course by the MMS administrator(s).

Target Audience

The target audience consists of two MMS administrators (mechanical engineers). Additional learner characteristics include:

- Ages: 41 – 50
- Gender: 100% men
- Education: Post-secondary
- Work Experience: 2 years with current company, 5 to 10 years in engineering and 2 years in die casting industry
- Familiar with EZ Block Sizer software application
- Familiar with computers and technology
- Familiar with die cast terminology

Usability Questions for Create a New Machine in the MMS

*Thank you for taking the time to answer these usability questions.
Your comments are greatly appreciated!*

Instructions: Enter your comments directly into this document.

Look and Feel

- 1) Are the navigation controls easy to use? Do they make sense?

- 2) Are the navigation options explained well and used appropriately on each slide?

- 3) Is the font size and color(s) appropriate?

- 4) Are the images helpful?

- 5) Is the magnifier icon on some images (screen captures) helpful or distracting?

- 6) Are there enough images? Too many?

- 7) Do the images make sense or need further explanation?

- 8) Is the screencast video of creating a new machine helpful?

9) Are accessibility issues properly addressed in the module (tab order, closed captioning, etc.)?

Flow of Information

10) Is the objective that was listed on the bottom of the Welcome page realistic for the length of the module?

11) Is the information presented in a logical sequence? If not, how could the organization be improved?

12) Do the slides provide clear explanation of the steps? Would someone that is not listening to the audio be able to understand the training on the slides?

13) Did the pace and timing of the slides seem appropriate?

14) Is the module an appropriate length?

Quizzes

15) Is there sufficient information in the training to answer the quiz questions?

16) Are there enough quiz questions?

17) Did you find the quiz questions to be too hard? Too easy?

18) Did the feedback for an incorrect answer need to be clearer?

Additional Comments

19) What did you like best in the module?

20) What did you like least in the module?

21) What other suggestions or comments do you have?

Thank you for your comments!