



Association of Rotational Molders International

2010 Student Design Competition for Rotationally Molded Products

The Competition

The Association of Rotational Molders (ARM) International developed the Student Design Competition to encourage the use of rotational molding as a tool for design and engineering students. The competition is intended to promote the use of the rotational molding process through both competition and education. Designs must be for a rotationally molded piece.

Who is eligible?

The competition is open to all students, from any recognized university or college, who are pursuing a degree in an industrial design or engineering-related field.

How to participate:

Send your submission, along with a completed entry form to ARM International Headquarters. All submissions must be **received** by **May 1, 2010** to qualify. Your submission **must** include drawings with sufficient views to represent the design. Drawings must not exceed 11x 17 inches each. Color renderings and/or models are optional. All designs must be original. All materials submitted shall become the property of ARM International except that the design rights remain the property of the student. ARM International reserves the right to publish or show all the works submitted.

Enter to Win Great Prizes and Awards!

- 1st Place** \$2,000 plus free registration to the Association of Rotational Molders International 2010 Meeting, October 2-5 in Montreal, QC, Canada; two nights at the Hilton Montreal Bonaventure; and up to \$400 in travel expenses. *
- 2nd Place** \$1,000 plus free registration to the Association of Rotational Molders International 2010 Meeting, October 2-5 in Montreal, QC, Canada; two nights at the Hilton Montreal Bonaventure; and up to \$400 in travel expenses. *
- 3rd Place** \$500 plus free registration to the Association of Rotational Molders International 2010 Meeting, October 2-5 in Montreal, QC, Canada; two nights at the Hilton Montreal Bonaventure; and up to \$400 in travel expenses. *

** Meeting registration will cover only the meeting and functions associated with it.*

Judges will evaluate all of the following factors:

- | | |
|------------------|---|
| Design | Practicality; creativity; originality; ease of use; and unique features. |
| Manufacturing | Moldability; ease of assembly/secondary operations; projected cycle time; cost efficiencies. |
| Technical Merits | What technical challenges were overcome? What design considerations eliminated assembly? Are there any unique features that help make this part technically successful? Choice of polymers; knowledge of the rotomolding process. |

Association of Rotational Molders International

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Glen Ellyn, IL 60137
Phone: 630.942.6589 Fax: 630-790-3095
info@rotomolding.org www.rotomolding.org





Association of Rotational Molders International

2010 Student Design Competition Entry Form

Entry Form: Submit by May 1, 2010

Name: _____
(First) (Last) (Middle Initial)

School Address: _____

City: _____ State/Province: _____

Country: _____ Postal Code: _____

Phone: _____ E-mail: _____

University/College: _____

Program of Study: _____ Graduation Date: _____

Advisor's Name: _____

Advisor's Phone: _____ Advisor's E-mail: _____

In consideration of the acceptance by the Association of Rotational Molders International of this entry form and thus permitting the subject entry to be considered for prizes and awards arising from the Association of Rotational Molders Student Design Competition, the student submitting this Entry Form agrees for itself, its advisor(s) and its school to adhere to the Guidelines included in this form.

Signature of Student: _____

Product Report

On a separate page, or included in the design drawings, please elaborate on the following features

(Keep in mind the more details you provide, the greater chance you have of receiving higher scores):

- A. Product Description
- B. Why you chose rotational molding as the manufacturing process for your design
- C. Design Features
 - 1. Practicality
 - 2. Creativity;
 - 3. Originality
 - 4. Ease of use
 - 5. Unique features.
- D. Manufacturing Details*
 - 1. Moldability
 - 2. Ease of assembly/secondary operations
 - 3. Projected cycle time
 - 4. Cost efficiencies
- 5. Tooling Quote (from rotational molder)
- 6. Piecepart Quote (from rotational molder)
- 7. Company name of the rotational molder who provided your quotes
- E. Technical Merits (factors are listed on the information page)
 - 1. What technical challenges were overcome?
 - 2. What design considerations eliminated assembly?
 - 3. Are there any unique features that help make this part technically successful?
 - 4. Choice of polymers
 - 5. Knowledge of the rotomolding process.

* Use the directory at www.rotomolding.org to find a molder contact

Submission Check List:

- Have your advisor review your submission
- Entry Form
- Drawings
- Product Report (See information above)
- E-mailed PDF to info@rotomolding.org

PDF File: Students must submit their drawings as a PDF **in addition to** submitting their drawings via mail. Your PDF file should be labeled in the following format: **Last name_First Name_Product Name_School**. E-mail file to: info@rotomolding.org

Mail to:

Association of Rotational Molders International
800 Roosevelt Road,
Building C-312, Glen Ellyn,
IL 60137 USA