

## ITEM OPPORTUNITY SYNOPSIS

Scouting Number: 2023-174  
Name of the item to be scouted: Model Rockets  
State item to be used in: Colorado

### Describe the Item:

Please describe the item application/the end use of the item.

Looking for a contract manufacturer to manufacture and assemble model rocket assemblies (not engines) including nose cones, fin cans, launch lugs, fins, body tubes, recovery system parts, balsa sheets, elastic shock cords and die-cut vinyl stickers.

### Supplier Information:

Type of Supplier Being Sought (select from the list below):

Manufacturer

Contract Manufacturer

x

Distributor

Other (Please Specify)

Reason for Scouting Submission (select from the list below)

2nd Supplier

x

Price

Re-Shore

Past supplier no longer available

New Product Startup

BABA

Other (Please Specify)

### Summary of Technical Specifications and Performance

#### Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible)

The nose cones, fin cans, launch lugs, and fins are typically injection molded parts. Some nose cones are blow-molded. The body tube is a metal or paper. Recovery system parts (parachutes and nylon thread), balsa sheets and elastic shock cords (rubber and kevlar type material) are unique challenges to the product. Waterslide and vinyl stickers are die-cut. Balsa sheets are laser cut. Card stock material can be sourced and printed, cut or folded.

Provide dimensions / size / tolerances / performance specifications of the item

Size varies based on the kit; body tubes range from 1/2 inches to as large as 4 inches. Product length ranges from 2.75 inches to 24 inches. Tolerances are typically within .005". The rest of the parts are accommodated to the size of the tube with same tolerance levels.

List required materials needed to make the product, including materials of product components, if applicable

PP, PS, ABS, PE, Balsa, BROWN KRAFT PAPER HEAT WELDED WITH POLYETHYLENE ADHESIVE LAYER AND GLASSINE WRAP, PAPER, RUBBER, NYLON, PE BAGS, CARDSTOCK, CIRCUIT BOARDS, WIRES, CLIPS

Are there applicable certification requirements?

Yes

x

No

Please explain:

ISO 9001

Are there any applicable regulations that apply to the production of this item?

Yes

No

x

Please explain:

Are there any other standards / requirements?

Yes

No

x

Please explain:

### Additional Comments:

Additional technical comments:

ISO 9001 preferred

### Volume and Pricing:

Estimated Potential Business Volume (i.e. #units per day, month, year):

\$3-5M+

**Estimated Target Price / Unit Cost Information:**

Will depend on bids

**Delivery Requirements:**

**When is it needed by? (Immediate, 30 days, 6 months, etc)**

30 days

**Describe packaging requirements (i.e. individually / group packaging, etc)**

Chipboard, single/double walled high gloss retail packaging (with and without windows), PE Bags, thermoformed inserts, and card stock printed panels.

**Where will this item be shipped?**

Colorado

**Additional Comments:**

**Is there other information you would like to include?**





