QUEST QUEST QUEST
SHAPING THE FUTURE OF MODEL ROCKETRY
SHAPING THE FUTURE

READ THIS CATALOG CAREFULLY... IT'S DESIGNED TO GIVE YOU ALL OF THE INFORMATION YOU'LL NEED TO GET STARTED FLYING MODEL ROCKETS THE RIGHT WAY... WITH QUEST.

If you've never launched a model rocket before, choose one of Quest's new Micro Maxx, Ready-to-Fly (RTF) or Skill Level 1 starter sets. These starter sets include your rocket, recovery system, reusable launch pad, electric launch controller, three rocket motors with Tiger Tail II igniters, and recovery wadding. You will also need to purchase batteries for your launch system and glue if your rocket requires assembly.

Listed with each kit in this catalog you'll find a Skill Level number. This number represents the amount of previous modeling experience required for any hobbyist wanting to build and fly their rocket successfully. Our new Micro Maxx and Ready-to-Fly (RTF) rockets make it possible for anyone to instantly jump into the exciting world of model rocketry. Beginners can try their hand at Micro Maxx, RTF or Skill Level 1 rockets. Skill Level 2 kits are for experienced modelers. Advanced rocket flyers will find Skill Level 3 kits an exciting test of their abilities, while Skill Level 4 kits are recommended only for expert rocketeers. Once you've mastered a particular skill level you are ready to move on to the next one.

Each rocket description in this catalog features skill level, size specifications, recovery system, maximum altitude and recommended rocket motors. The following icons indicate the rocket's fin type:

- Die-Cut: Balsa fins
- Plastic: Fin-Unit

HOW MODEL ROCKETS WORK

Model Rockets Are All Reusable. Most Require Assembly. They Have Different Shapes - A Typical Rocket Is Shown.

- **Nose Cone:** Guides Airflow Around The Rocket (Streamlines).
- **Body Tube:** Main Structural Part (Airframe), Usually A Strang Paper Tube.
- **Recovery System:** Device For Retrieving The Rocket Safely And Intact.
- **Wadding:** Protects Recovery System From Hot Ejection Charge Gases.
- **Launch Lug:** Guides Rocket Straight Off Launcher.
- **Fins:** Keep Rocket Traveling Straight.
- **Motor Mount:** Holds Motor In Place.
- **Ejection:** Charge Pressurizes Inside Of Rocket And Pushes Recovery System Out.
- **COASING:** Propellant Has Been Consumed. The Tracking Delay Smoke Allows Rocket To Coast To Peak Altitude.
- **ApoGee:** Rocket Reaches Peak Altitude, Loses Momentum, Aces Over, Points Down As Tracking Delay Smoke Ends.
- **Ejection:** The Final Charge Activates, Causing Expanding Gases To Deploy The Recovery System.

HOW MODEL ROCKET MOTORS WORK

- **IGNITION:** Electric Launch Controller Heats Igniter Placed In Motor Nozzle. Motor Starts Thrusting.
- **LIFT-OFF:** Rocket Motor Is Ignited And Begins Developing Thrust For Powered Flight.
- **COASING:** Propellant Has Been Consumed. The Tracking Delay Smoke Allows Rocket To Coast To Peak Altitude.
- **ApoGee:** Rocket Reaches Peak Altitude, Loses Momentum, Aces Over, Points Down As Tracking Delay Smoke Ends.
- **Ejection:** The Final Charge Activates, Causing Expanding Gases To Deploy The Recovery System.

Rocket motors, igniters and recovery wadding can be used only once, but each rocket can be flown over and over again. You'll need a new rocket motor, igniter and recovery wadding for each additional flight. Each Quest rocket includes a list of recommended motors to use. See page 29 for more information.
**Micro Maxx Micro** Micro Model Rockets

**Introducing Micro Maxx** Micro Model Rockets

- Single sets contain:
  - 1 Completely Assembled Micro Model Rocket
  - Silo Launch Pad with Launch Controller (Requires One 9 volt Alkaline battery - Not Included)
  - 4 Micro Motors
  - 4 Plug-In QMX Igniters
  - 1 Display Stand

**Critical Mass Complete Set**
- No Mercy Complete Set No. 5602
- RTF Ready To Fly Skill Level
- Maximum Altitude
  - 120 Feet
  - 37 Meters
- Recovery System
  - Mylar Streamer

**Micro Maxx™ Rockets** are 3.5in (9cm) to 5.5in (14cm) Long

**Space Shuttle Orbiter & Saturn V Rocket Complete Set**

**Perfect For Backyard Launching**

Requires Only A 50 Foot (15m) Launch Site
USS ENTERPRISE NCC 1701-E

Star Trek®
U.S.S. Enterprise™
NCC-1701-E
No. 5750

Skill Level
RTF Ready To Fly
Length 16.5 in 41.9cm
Width 5.25 in 13.3cm
Max. Altitude 600 ft 183m

Recovery System
Parachute
Motors To Use CS-6 ONLY

Area 51 U.F.O. Flying Saucer
No. 5726

Skill Level
RTF Ready To Fly
Height 6in 15.2cm
Saucer Dia. 7.5in 19cm
Max. Altitude 300 ft 91m

Recovery System
Floats Back
Motors To Use CS-6 ONLY

RTF Sets Feature:
- Completely Assembled RTF Model Rocket
- Sturdy Launch Pad
- Futuristic Launch Controller
- 3 Model Rocket Motors
- Tiger Tail II Igniters
- Recovery Wadding

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READY-TO-FLY MODEL ROCKETS WITH PARACHUTE RECOVERY

MODEL ROCKET MOTOR FLIGHT PACKS
Each flight pack contains:
3 model rocket motors,
Tigertail II igniters
and recovery wadding, for
3 complete flights.

SKYDIVE NO. 9722

THUNDER NO. 5723

RECOVERY SYSTEM
PARACHUTE MOTORS TO USE
B64 B64 C63 C65

RECOVERY SYSTEM
PARACHUTE MOTORS TO USE
B64 B64 C63 C65

RECOVERY WADDING NO. 7020
100 Sheets/Pkg.

TIGERTAIL II IGNITERS NO. 7010
6/Pkg.

CLAY RETAINER CAP
EJECTION CHARGE
DELAY CHARGE
CLAY NOZZLE
PAPER CASING
PROPELLANT
LIGHTNING
NO. 1013

Q E-Z
PAYLOADER
NO. 1009

SPIN FIN
NO. 2009

TOMAHAWK
NO. 2005

EVADER
NO. 2001

APOLLO
PAYLOADER
NO. 2003

RECOVERY SYSTEM
PARACHUTE
MOTORS TO USE
A64 B64 C63 C65

RECOVERY SYSTEM
PARACHUTE
MOTORS TO USE
A64 B64 C63 C65

RECOVERY SYSTEM
PARACHUTE
MOTORS TO USE
A64 B64 C63 C65

RECOVERY SYSTEM
PARACHUTE
MOTORS TO USE
A64 B64 C63 C65

SKILL LEVEL
1 BEGINNER LENGTH
18.5IN 47CM DIAMETER
T-30MM 1.18IN MAX. ALTITUDE
1200FT 365M

SKILL LEVEL
1 BEGINNER LENGTH
21.5IN 53.4CM DIAMETER
T-30MM 1.18IN MAX. ALTITUDE
1200FT 365M

SKILL LEVEL
2 EXPERIENCED LENGTH
16.38IN 41.6CM DIAMETER
T-25MM 0.984IN MAX. ALTITUDE
1000FT 304M

SKILL LEVEL
2 EXPERIENCED LENGTH
27IN 68.2CM DIAMETER
T-30MM 1.18IN MAX. ALTITUDE
600FT 182M

STREAMER
MOTORS TO USE
A64 ONLY

MAX. ALTITUDE
600FT 182M

MAX. ALTITUDE
600FT 182M
FUTURISTIC LAUNCH CONTROLLER NO. 7510

LIFT-OFF LAUNCH PAD NO. 7610

COMPLETE LAUNCH SYSTEM NO. 7700
Includes one each No. 7510 and No. 7610

LIFT-OFF LAUNCH PAD FEATURES:
- 36 in (91 cm) Two-Piece Launch Rod
- Blast Deflector Plate
- Tilt Adjustment
- Rod Safety Cap
- Wind Streamer

FUTURISTIC LAUNCH CONTROLLER FEATURES:
- Blinking Arming Light
- Beeping Alarm
- Deluxe Safety Key
- "Sure Grip" Design
   (Requires One 9 volt Alkaline battery - Not Included)

Technical Notes:
- All figures given are approximate performance.
- All times are based on 12 in (30 cm) model rocket with each rocket.
- All weights are based on 1 lb (0.5 kg) model rocket with each rocket.
- All model rocket must be launched in a windless environment.
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MODEL ROCKETS

Model rocketry is recommended for ages 10 to adult. Adult supervision is suggested for those under 12 years of age. Safety equipment must be worn when launching model rockets. You must be 14 years of age to purchase "A" through "C" type rocket motors in CA & NJ.

N.A.R. INFORMATION

How You Can Join the National Association of Rocketry (NAR)
Founded in 1957, the NAR is a non-profit organization whose mission is to promote the safe and responsible enjoyment of model rocketry. Young people interested in this activity are encouraged to join. Model rocketry is a safe and enjoyable activity.

NAR MODEL ROCKETS SAFETY CODE

1. MATERIALS
   - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
   - All model rocket must be launched in a windless environment.

2. POWER LIMITS
   - All motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
   - All model rocket must be launched in a windless environment.

3. STABILITY
   - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
   - All model rocket must be launched in a windless environment.

4. LAUNCH SITE
   - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
   - All model rocket must be launched in a windless environment.

5. LAUNCHING
   - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
   - All model rocket must be launched in a windless environment.

6. RECOVERY
   - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
   - All model rocket must be launched in a windless environment.

7. LAUNCH SITE
   - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
   - All model rocket must be launched in a windless environment.

8. LAUNCHER
   - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
   - All model rocket must be launched in a windless environment.

9. IGNITION SYSTEMS
   - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
   - All model rocket must be launched in a windless environment.

10. LAUNCH SAFETY
    - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
    - All model rocket must be launched in a windless environment.

11. LAUNCHING CONDITIONS
    - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
    - All model rocket must be launched in a windless environment.

12. PRE-LAUNCH TEST
    - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
    - All model rocket must be launched in a windless environment.

13. LAUNCH ANGLE
    - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
    - All model rocket must be launched in a windless environment.

14. RECOVERY HAZARDS
    - All rocket motors must be weighed before each launch. A maximum of 1 lb (0.5 kg) must be used.
    - All model rocket must be launched in a windless environment.
MARVEL MODEL KITS

HIGHLY DETAILED, EASY-TO-ASSEMBLE MODEL KITS OF YOUR FAVORITE MARVEL CHARACTERS

SPIDER-MAN™
SKILL LEVEL 1
NO. 48651

BEAST™
SKILL LEVEL 1
NO. 48687

THE THING™
SKILL LEVEL 2
NO. 47781

RHINO™
SKILL LEVEL 1
NO. 48686

BEAST™
SKILL LEVEL 2
NO. 47782

THE THING™
SKILL LEVEL 2
NO. 48652

VENOM®
SKILL LEVEL 1
NO. 48653

WOLVERINE®
SKILL LEVEL 2
NO. 48657

SILVER SURFER™
SKILL LEVEL 1
NO. 47783

SPIDER-MAN™
SKILL LEVEL 2
NO. 48658
MICRO MAXX ROCKETS ARE 3.5IN (9CM) TO 5.5IN (14CM) LONG

NEW PERFECT FOR BACKYARD LAUNCHING

See Pages 3 To 8

FUTURISTIC LAUNCH CONTROLLER

Features:
- Blinking Arming Light
- Beeping Alarm
- Deluxe Safety Key & "Sure Grip" Design

See Page 29

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