

Exclusive VMAR Distributor  
North & South America



**NEW!!**

PREMIUM  
QUALITY!

INDIVIDUALLY  
LABELLED!

SHRINK WRAPPED  
BUNDLES!

ONLY FROM VMAR &  
RICHMOND RC!

## PREMIUM BALSA WOOD SHEETS

BALSA SHEET SIZE	PART #	BUNDLE QTY	USA EA	
BALSA WOOD 3 x 1/32 x 36 PREMIUM	WBA-3013236	20	\$0.69	
BALSA WOOD 3 x 1/16 x 36 PREMIUM	WBA-3023236	20	\$0.59	
BALSA WOOD 3 x 3/32 x 36 PREMIUM	WBA-3033236	20	\$0.69	
BALSA WOOD 3 x 1/8 x 36 PREMIUM	WBA-3043236	15	\$0.79	
BALSA WOOD 3 x 3/16 x 36 PREMIUM	WBA-3063236	10	\$0.89	BUNDLE LOTS ONLY PLEASE.
BALSA WOOD 3 x 1/4 x 36 PREMIUM	WBA-3083236	5	\$0.99	
BALSA WOOD 3 x 3/8 x 36 PREMIUM	WBA-3123236	5	\$1.29	
BALSA WOOD 3 x 1/2 x 36 PREMIUM	WBA-3163236	5	\$1.69	
BALSA WOOD 4 x 1/32 x 36 PREMIUM	WBA-4013236	20	\$0.89	WE CANNOT BREAK BUNDLES OF BALSA WOOD
BALSA WOOD 4 x 1/16 x 36 PREMIUM	WBA-4023236	20	\$0.79	
BALSA WOOD 4 x 3/32 x 36 PREMIUM	WBA-4033236	20	\$0.89	
BALSA WOOD 4 x 1/8 x 36 PREMIUM	WBA-4043236	15	\$0.99	
BALSA WOOD 4 x 3/16 x 36 PREMIUM	WBA-4063236	10	\$1.19	
BALSA WOOD 4 x 1/4 x 36 PREMIUM	WBA-4083236	5	\$1.59	
BALSA WOOD 4 x 3/8 x 36 PREMIUM	WBA-4123236	5	\$1.99	
BALSA WOOD 4 x 1/2 x 36 PREMIUM	WBA-4163236	5	\$2.79	

## BALSA STRIPPER



TERRIFIC TOOL...  
JUST \$13.95!

#VMA-BS110

9-1/4" x 5-3/4" x 2"

NOW OUR  
ULTRADUTY  
FIBREGLASS MAIN  
GEAR SETS ARE  
AVAILABLE IN  
FOUR SIZES!  
NOTHING  
COMPETES FOR  
STRENGTH OR  
LOW PRICE!!

INCREDBLY  
SUPER  
STRONG!



## ULTRADUTY FIBREGLASS MAIN GEAR SETS!

40-50 SIZE FIBREGLASS  
MAIN GEAR JUST  
#RRC-MAIN40UD \$11.10!  
FITS VMAR APACHE, EXTRA,  
CAP & MOST 40 SIZE TRAINERS

60 SIZE FIBREGLASS  
MAIN GEAR JUST  
#RRC-MAIN60UD \$19.95!  
FITS VMAR CAP 232 60  
& MOST 60-90 HIGH WING

90-120 SIZE FIBREGLASS  
MAIN GEAR JUST  
#RRC-MAIN90UD \$29.95!  
FITS VMAR CAP 231EX 120.  
GREAT FOR 90-120 SIZE HI WING!

120+ SIZE FIBREGLASS  
MAIN GEAR JUST  
#RRC-MAIN95UD \$38.95!  
FITS VMAR BEAVER 10 FOOT.  
GREAT FOR 120+ SIZE HI WING!

DUAL BALL BEARINGS!  
GREAT CARBURETION!  
HIGH POWER!  
GREAT PRICE!



CHECK OUT OUR  
TERRIFIC COMBO  
OFFERS ON VMAX  
& ENYA ENGINES!

**VMAX 46PRO JUST \$49.95!**  
WITH ANY VMAR ARF! ONLY \$34.95 WITH VMAR CHIP & AT6/HARVARD!!

PART #	REGULAR \$
VMX-46PRO	\$67.95
VMX-52PRO	\$74.95

ENYA	ENYA	NEW!	PRICE
.06 RC AIR ENGINE w/MUFF & SNV	ENY-06TV		\$49.95
09 RC AIR ENGINE w/MUFF & SNV	ENY-09TV		\$46.95
15 RC AIR ENGINE w/MUFF & SNV	ENY-15TV		\$53.95
25 RC AIR SUPER SPORT ENGINE w/MUFF & SNV	ENY-25SS		\$59.95
40 RC AIR SUPER SPORT ENGINE w/MUFF & SNV	ENY-40SS		\$79.95
40 RC BB SUPER SPORT ENGINE w/MUFF & SNV	ENY-40SSBB		\$107.95
ENYA CX50 RC BB HI PERFORMANCE ENGINE w/MUFF & SNV	ENY-50CX		\$142.95
ENYA XF60 RC BB HI PERFORMANCE ENGINE w/MUFF & SNV	ENY-60XF4ALC		\$209.95
ENYA NO. 3 GLOW PLUG - FOR ALL ENYA ENGINES	ENY-GPLUG3		\$7.50
ENYA 41 RC AIR FOUR STROKE ENGINE w/MUFF	ENY-414C		\$184.95
ENYA 53 RC AIR FOUR STROKE ENGINE w/MUFF	ENY-534C	NEW!	\$199.95
ENYA 90 RC AIR FOUR STROKE ENGINE w/MUFF	ENY-904C		\$289.95
ENYA 155 RC AIR FOUR STROKE ENGINE w/MUFF	ENY-1554C		\$399.95

**AFTER RUN OIL**  
1 oz. Corrosion Inhibitor for Engines  
#PAC-ARUN  
JUST \$3.99!  
USE IN ANY ENGINE!

**ENGINE TEST STAND**  
#VMA-ETS120  
REG \$17.95  
JUST \$9.95!  
WITH ANY ENGINE!

**Fireball GLOW PLUGS.**

HOT RC LONG	#SWA-H30L	\$2.45
HOT RC SHORT	#SWA-H30S	\$2.45
LONG NO IDLE BAR	#SWA-S20L	\$2.45
RC LONG	#SWA-S20RCL	\$2.75
RC SHORT	#SWA-S20RCS	\$2.75
SHORT NO IDLE BAR	#SWA-S20S	\$2.45
COLD LONG	#SWA-SC10L	\$2.75
COLD SHORT	#SWA-SC10S	\$2.75
SILVER COLD LONG	#SWA-Si8L	\$3.99
SILVER COLD SHORT	#SWA-Si8S	\$3.99



JODEL ROBIN 45-61  
ARF ECS

DORNIER DO27 45-61  
ARF ECS



TWO TOTALLY NEW ARFS! SEE PAGE 6!

## VMAR DOES IT ALL! 50+ ARF MODELS!!

VMAR offers the Most Affordable Fastest Growing line of ARF Products in the World! VMAR leads the industry with Quality, Range of New Product, Features, Value, Price & Completeness.

V-STIK 40 ARF ARF COMBOS!

ALL NEW VERSION  
NOTHING CAN COMPARE!  
JUST \$59.95!  
WITH ANY OTHER ARF!



40 & 60 SIZE!  
PLEASE SEE Pg 4



NEW!!

RADIO COMBOS!



COLOR ASSEMBLY MANUAL!

FLAPERON READY!

FIBREGLASS COWL & MAIN GEAR!

JUST \$169.95!!

FIBREGLASS WHEEL PANTS!

**VMAX**  
46 PRO COMBO WITH EDGE 540T  
JUST \$49.95!

The graphics are INSIDE THE POLYCOTE... not stuck on top!  
No Decals, No Layers, No Strips, No Stripes!  
Proprietary Sure Seal Seams will not lift! Totally Fuel Proof!  
Ultra Tough POLYCOTE Polyester!

4 COLORS  
DARK GREEN #VMA-E160U  
PEARL RED #VMA-E160R  
PEARL VIOLET #VMA-E160V  
PEARL YELLOW #VMA-E160Y

SPECIFICATIONS  
Span: 56 in.  
Area: 616 sq in.  
Symmetrical  
Length: 49.5 in.  
Wt: 5.5-6 lbs  
Engine: .45-.61  
Radio: 4-5ch/5Sx  
(5ch/5Sx for flaperons)

Trainers Page 2-3  
Sport Page 4  
Scale Page 5-7  
Balsa Back Cover  
Engines Back Cover

WITH POLYCOTE ECS

To buy a VMAR ARF Product...  
See your local HOBBY RETAILER, or  
Call Free 1-877-727-2329, or  
Visit our On-Line Store at [www.richmondrc.com](http://www.richmondrc.com)

VMAR ARFs Are All Wood, Fully Covered & Include Tank, Wheels, Spinner, Metal Engine Mount, Servo Tray & All Hardware. Pre-Installed Pushrods, Pinned Hinges & Control Surfaces.

**Richmond USA Consumers**  
Catalog 2003 02 10  
Exclusive VMAR Distributor for North & South America

VMAR, VMAX, POLYCOTE and ECS are Trademarks of VMAR Manufacturing and Appointed Agents Worldwide



**SAVE ON ENGINES WITH OUR HOT VMAX ENGINE COMBOS!**

See our ads in leading RC Magazines. To order On-Line visit the VMAR On-Line Store at www.richmondrc.com  
**VMAR HAS THE WORLD'S BIGGEST LINE OF ARF TRAINERS!!**

## APACHE III 40 ARF TRAINER **NEW!!**

**BEST SELLING ARF TRAINER WORLD WIDE!**  
 Span: 69" Area: 770 sq in. Length: 46-3/8" Wt: 6.35-6.85 lbs Engine: 40-.53 Radio: 4ch  
**EASY TO SEE!** **POLYCOTE ECS ENHANCED COVERING SYSTEM** **BIG 69" SPAN!**  
 #VMA-A140X **PINNED HINGES!** **FIBREGLASS MAIN GEAR!**  
 Includes All Hardware for Trike or Tail Dragger. Flat bottom wing & wing bolt mounting. Metal pushrods & engine mount, universal servo tray, tank, wheels & strut!!  
**OUR BEST TRAINER!! CAN BE SET UP WITH TRIKE GEAR OR AS A TAIL DRAGGER! ALL PARTS & WHEELS INCLUDED! FLY WITH A FOUR CHANNEL SYSTEM OR USE A COMPUTER RADIO & ACTIVATE FLAPERONS! FIBREGLASS MAIN GEAR!**  
**ALSO IN YELLOW! #VMA-A140Y**  
**TRAINER OF CHOICE... JUST \$99.95!**

## AIRTRONICS COMBOS! **NEW "Z" TYPE**

**VG 400**  
 4CH FM (4 Servo)  
 #AIR-VG400FM  
 END POINT ADJUST ON LO & HI  
 THROTTLE \$123.95  
**COMBO \$113.95! SAVE \$10 with any ARF**

**VG 600**  
 6CH FM (4 Servo)  
 #AIR-VG600FM  
 END POINT ADJUST ON T,A,E,R & AUX 6  
 \$147.95  
**COMBO \$134.95! SAVE \$13 with any ARF**

**RD6000 SPORT**  
 6CH FM (4 Servo)  
 #AIR-RD320FM  
 4 MODEL MEMORY COMPUTER \$214.95  
**COMBO \$184.95! SAVE \$30 with any ARF**

**VG 407** **MICRO SERVOS & RECEIVER**  
**FOR ELECTRICS!**  
 4CH FM (3 94091 Sx)  
 #AIR-VG407FM  
 NO RECEIVER BATTERY.  
 JUST \$119.95  
**COMBO \$109.95! SAVE \$10 with any ARF**

**HOW TO PICK A RADIO...** Trainers use the VG 400 although the Apache III has optional Flaperons suitable for the RD6000 Sport. Generally if the model is a Semi Scale or Sport Model the VG 600 is recommended. The VG 600 can do simple Flap, & Retract Functions. If the model has Flaps or Flaperons or Retracts the RD6000 Sport is recommended to best use those features. The VG 407 is for electric back yard flyers!

**VMAX .46 COMBOS FROM \$49.95!**  
**CHECK OUT OUR TERRIFIC COMBO OFFERS ON VMAX ENGINES!**  
**DUAL BALL BEARINGS, TOP QUALITY, HIGH PERFORMANCE. SMOOTH IDLE**  
**46 ENGINE COMBOS JUST \$34.95! SEE Page 7**

## CHALLENGER 40 ARF TRAINER

**BEST VALUE 40 ARF TRAINER AVAILABLE!**  
 Only the New VMAR Challenger 40 ARF Trainer can meet the Value vs Features vs Performance Challenge!  
 Span: 63-1/4" Area: 730 sq in. Length: 48" Wt: 5-1/2 - 6 lbs Engine: .34-.47 Radio: 4ch/4Sx  
**HOT! METAL ENGINE MOUNT!** **PINNED HINGES!** **HI VIS GRAPHICS!**  
**UNBEATABLE VALUE... JUST \$89.95!**

## DISCOVERY 40 ARF TRAINER

**THE FREEDOM TO FLY LIKE AN EAGLE!**  
**PINNED HINGES!** **ALSO IN BLUE!** **POLYCOTE ECS ENHANCED COVERING SYSTEM**  
 #VMA-DO14 **WHY BUILD?**  
 Span: 63-1/4 in. Area: 730 sq in. Length: 48" Wt: 5-1/2 - 6 lbs Engine: .34-.47 Radio: 4ch  
**METAL MOUNT!** **SERVO TRAY!**  
**PRICE LEADER... JUST \$79.95!**

## HOTROD 40 ARF SPORT

**NEW!** **PINNED HINGES!**  
 #VMA-H014 **SYMMETRICAL SPORT WING NOW 60" SPAN!** **HOT DOGGERS DELIGHT!**  
 Span: 60" Symmetrical Area: 600 sq in. Length: 44" Wt: 5.0 - 5.5 lbs Engine: .32-.47 Radio: 4ch  
**SPORT TRAINER ARF... JUST \$89.95!**

## POWER TOTE - DELUXE

**READY TO HAUL! NO ASSEMBLY! NO PAINTING! FORMICA ON 8MM PLYWOOD**  
**ALUMINUM TRIM! TWO DRAWERS!** **WITH CRADLES!**  
 #VMA-PT109D  
 WOOD GRAIN BLACK BLUE YELLOW  
 21-5/8" Long x 8-5/8" x 15" High  
**4 COLORS... READY TO HAUL... JUST \$39.95!**

## RAMROD 40 ARF - TRAINER+

**THE NEW VMAR Ramrod is a terrific low wing Advanced Trainer. The Ramrod is a perfect second plane!** **NEW!**  
 Span: 60" Area: 630 sq in. Length: 44-1/2" Wt: 5.5-6.0 lbs Engine: .40-.47  
**PINNED HINGES!** **EASY TO SEE!**  
**LOW WING TRAINER... JUST \$99.95!**

## POLYCOTE ECS ENHANCED COVERING SYSTEM **NEW!!**

For the ultimate in ARF covering, check for **POLYCOTE ECS** on your next VMAR ARF  
 FOR MORE POLYCOTE INFO SEE www.richmondrc.com/polycote.htm

**WHAT'S IT ALL ABOUT? POLYCOTE ECS** is an Enhanced Covering System Engineered in Canada and available only from VMAR. With **POLYCOTE ECS** the graphics are inside the covering... not stuck on top. No Decals! No Layers! No Strips! No Stripes! VMAR Models using **POLYCOTE ECS** have very few seams and our proprietary **SURE SEAL** system ensures that the seams stay down!  
**Best of all, POLYCOTE itself is a totally fuel proof ULTRA TOUGH POLYESTER.**

**SKYLANE Cessna 182 **NEW!!****  
**45-60 Semi Scale ARF with POLYCOTE ECS**  
**DETAILED COCKPIT & PILOT!** **FLAPERON READY!**  
**FIBREGLASS COWL & MAIN GEAR** **PINNED HINGES!**  
**The graphics are INSIDE THE POLYCOTE... not stuck on top!** **No Decals, No Layers, No Strips, No Stripes.** **UltraTough Polycote Polyester!** **Goodbye Sags! Goodbye Bubbles!**  
 Span: 63-3/4 in. Area: 589 sq in. Length: 49 in. Wt: 7-7.5 lbs Engine: .45-.61 Radio: 4ch/5sx  
**ENYA 60XF4ALC COMBO JUST \$179.95**  
**w/POLYCOTE ECS... JUST \$169.95!**

**TOMAHAWK 45-60 ARF ECS**  
**PIPERS' FAMOUS T-TAILED TRAINER!** **DETAILED COCKPIT & PILOT!**  
**FIBREGLASS COWL!** **PINNED HINGES!** **FIBREGLASS MAIN GEAR!**  
**FLAPS**  
 #VMA-T240X  
 The All New VMAR Tomahawk 45-60 ARF ECS has all the details and the great flying characteristics of the real thing! We've used our ultra tough POLYCOTE ECS Enhanced Covering System to lock the graphics inside the covering! POLYCOTE ECS... No Decals, No Layers, No Strips, No Stripes, Detailing includes a Cloth Pilot, Rivets, Panel Lines, Cockpit, Instrument Panel and more!  
 Span: 76" Area: 628 sq in. Length: 50" Wt: 6.25-6.75 lbs Engine: .45-.61 Radio: 4-5ch/5-7Sx  
**ENYA 60XF4ALC COMBO JUST \$179.95**  
**ALL TIME FAVORITE... JUST \$169.95!**

**SPITFIRE 45-60 ARF EUROPEAN GRAPHICS**  
 Span: 60-3/4" Area: 617 sq in. Length: 44 in. Wt: 6-7 lbs Engine: .45-.61 Radio: 4ch  
**INCREDIBLE DETAILING!** **46PRO COMBO \$49.95 FREE PITTS MUFFLER**  
 #VMA-S016 **JUST \$149.95!**

**VAN RV4 45-60 ARF ECS**  
**MILLENNIUM ROUND THE WORLD SOLO FLIGHT!** **NEW!!**  
**FIBREGLASS MAIN GEAR!** **FIBREGLASS COWL!** **FLAPS INCLUDED!**  
 #VMA-R240X  
 The NEW VMAR RV4 is a near scale like rendition of Jon Johanson's famous RV4 used for his Millennium Round the World Solo Flight! All wood construction complete with Power Module Engine Mounting System, Pilot, Cockpit Graphics & extensive detailing!!  
 Span: 59" Area: 575 sq in. Length: 47" Wt: 5.5-6 lbs Engine: .45-.61 Radio: 4-5ch/5-7 Sx  
**COMBO 46PRO JUST \$49.95 FREE PITTS MUFFLER**  
**w/POLYCOTE ECS... JUST \$149.95!**

**CHIPMUNK 40 ARF DOUBLE THE FUN!**  
 Span: 62 in. Area: 560 sq in. Length: 42 in. Wt: 5.5-6 lbs Engine: .40-.53 Radio: 4ch  
**ONLY \$34.95 with either CHIPMUNK!!**  
 Canada #VMA-C0024C British #VMA-C0024B  
**JUST \$139.95!**

**SPITFIRE 45-60 ARF DESERT GRAPHICS**  
 Span: 60-3/4" Area: 617 sq in. Length: 44 in. Wt: 6-7 lbs Engine: .45-.61 Radio: 4ch  
**CLOTH PILOT! RIVETS & LINES!** **46PRO COMBO \$49.95 FREE PITTS MUFFLER**  
 #VMA-S016D **JUST \$149.95!**

**VH-NOJ**  
**COMBO 46PRO JUST \$49.95 FREE PITTS MUFFLER**  
**JUST \$149.95!**

**AT6 TEXAN 40 ARF TWO VERSIONS!**  
 Span: 62 in. Area: 620 sq in. Length: 44 in. Wt: 5.5-6 lbs Engine: .40-.53 Radio: 4ch  
**USA #VMA-AT0014U COMBO 46PRO JUST \$49.95 FREE PITTS MUFFLER**  
**CANADA #VMA-AT0014C ONLY \$34.95 w/HARVARD or AT6 TEXAN**  
**JUST \$149.95!**

**DEWOITINE 45-60 ARF**  
 Span: 60 in. Area: 615 sq in. Length: 44 in. Wt: 6-7 lbs Engine: .45-.61 Radio: 4ch  
**TOTALLY UNIQUE!** **46PRO COMBO \$49.95 FREE PITTS MUFFLER**  
 #VMA-D160F **JUST \$149.95!**

**F4U CORSAIR 60 ARF** **NEW!!**  
 Span: 63-3/4" Area: 640 sq in. Length: 46-48" Wt: 7.5-8 lbs Engine: .60-.76 Radio: 4ch/5 Sx  
**2 PIECE GULL WING!** **ENYA 60XF4ALC COMBO JUST \$179.95**  
**FLAPERON READY!**  
**JUST \$199.95!**

**P51D MUSTANG 45-60 ARF**  
 Span: 60 in. Area: 580 sq in. Length: 48 in. Wt: 6-7 lbs Engine: .45-.61 Radio: 4ch  
**RETRACT READY! FULLY SHEETED!** **46PRO COMBO \$49.95 FREE PITTS MUFFLER**  
**JUST \$149.95!**

**T34 MENTOR 40 ARF**  
 Span: 63 in. Area: 560 sq in. Length: 42 in. Wt: 5-6 lbs Engine: .40-.53 Radio: 4ch  
**THE BEST! 46PRO COMBO \$49.95 FREE PITTS MUFFLER**  
**2 PILOTS!**  
 #VMA-M024 **JUST \$146.95!**

**SAVE ON ENGINES AND RADIOS WITH OUR HOT COMBOS!**

## TEXAN II 45-60 & HARVARD II 45-60 & PILATUS PC9 90+ ARF

AS REVIEWED IN  
 MODEL AIRPLANE  
 NEWS OCT 2002

**U.S.A. AIRFORCE USAF TEXAN II #VMA-P240U**



Span: 57-3/4"  
 Area: 540 sq in.  
 Length: 47-50"  
 Wt: 5.5-6.0 lbs  
 Engine: .45-.61  
 Radio: 4ch/4Sx

**COMBO 46PRO**  
 JUST \$49.95  
 FREE PITTS MUFFLER

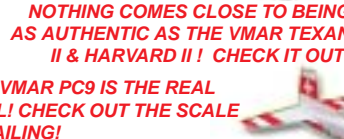
**HARVARD II CANADA #VMA-P240C**



Span: 57-3/4"  
 Area: 540 sq in.  
 Length: 47-50"  
 Wt: 5.5-6.0 lbs  
 Engine: .45-.61  
 Radio: 4ch/4Sx

**COMBO 46PRO**  
 JUST \$49.95  
 FREE PITTS MUFFLER

**AUSTRALIAN AIRFORCE ROULETTES #VMA-P240A**



Span: 57-3/4"  
 Area: 540 sq in.  
 Length: 47-50"  
 Wt: 5.5-6.0 lbs  
 Engine: .45-.61  
 Radio: 4ch/4Sx

**COMBO 46PRO**  
 JUST \$49.95  
 FREE PITTS MUFFLER

**SWISS AIRFORCE #VMA-P240S**



Span: 57-3/4"  
 Area: 540 sq in.  
 Length: 47-50"  
 Wt: 5.5-6.0 lbs  
 Engine: .45-.61  
 Radio: 4ch/4Sx

**COMBO 46PRO**  
 JUST \$49.95  
 FREE PITTS MUFFLER

**VERY SCALE LIKE... JUST \$149.95!**

## TEXAN II 90+ & HARVARD II 90+ & PILATUS PC9 90+ ARF

**NEW!!**

**USAF - JPATS (JOINT PRIMARY AVIATION TRAINING SYSTEM) 2 PILOTS!**



Span: 81"  
 Area: 996 sq in.  
 Length: 64-66"  
 Wt: 10 lbs  
 Engine: 90-120  
 Radio: 4ch/5Sx  
 Add 1ch/2 Sx for Flaps & Add 1ch/1Sx for Retracts.

**COMBO 46PRO**  
 JUST \$299.98!

**81" RETRACT READY... JUST \$299.98!**

U.S. AIR FORCE (JPATS) #VMA-P190U  
 U.S. NAVY (JPATS) (Summer 2003) #VMA-P191U  
 CANADA NFTC #VMA-P190C  
 AUSTRALIA ROULETTES #VMA-P190A  
 SWISS AIR FORCE #VMA-P190S

**RETRACT READY!**

Robart Retracts Recommended  
 Air Nose #ROB-607  
 Air Mains #ROB-605HD  
 Air Control Kit #ROB-188  
 Please contact Robart for Pricing and Availability.

**The Real PC9! The Right Wing! The Right Tail! The Right Graphics!**



## TUCANO EMB S312 45-60 ARF

**ANOTHER CLASSIC FROM VMAR**

The NEW VMAR Tucano comes complete with Power #VMA-T140E Module Engine Mounting System & Cloth Pilot!

Span: 63"  
 Area: 560 sq in.  
 Length: 47-50"  
 Wt: 5.5-6 lbs  
 Engine: .45-.61  
 Radio: 4ch/4Sx

**COMBO 46PRO**  
 JUST \$49.95  
 FREE PITTS MUFFLER

**BRITISH VERSION JUST \$149.95!**

## PILOTS WITH CLOTH JACKETS & HATS

Real Sewn Clothing!

40 SIZE (3" Wide x 2-5/8" High) #VMA-PL122 JUST \$9.95!  
 60 SIZE (3-1/2" Wide x 3" High) #VMA-PL123 JUST \$12.95!  
 90+ SIZE (4-1/8" Wide x 4" High) #VMA-PL124 JUST \$15.95!  
 9" FULL BODY w/CLOTH SUIT & HAT #VMA-PL223 JUST \$24.95!

Width Measured at Shoulders  
 Height is with Hat

## PILOTS WITH HELMET

Individually Hand Painted!

40 SIZE (2-7/8" Wide x 2-1/2" High) #VMA-PL122H JUST \$9.95!  
 60 SIZE (2-7/8" Wide x 3-1/8" High) #VMA-PL123H JUST \$12.95!  
 90+ SIZE (3-1/4" Wide x 3-1/2" High) #VMA-PL124H JUST \$15.95!

Width Measured at Shoulders  
 Height is with Helmet

## JODEL ROBIN DR 45-60 ARF

**PLUG IN WINGS! GLASS COWL! PINNED HINGES! PILOT, COCKPIT & EXTERIOR GRAPHICS!**

Span: 59-3/4"  
 Area: 620 sq in.  
 Length: 48-3/4"  
 Wt: 6.25-6.50 lbs  
 Engine: .46-.61 (4st. 52-.80)  
 Radio: 4-5ch/5-7Sx

**COMBO 46PRO**  
 JUST \$49.95  
 FREE PITTS MUFFLER

**NOTHING LIKE IT... JUST \$169.95!**

## DORNIER DO27 60 SEMI SCALE ARF ECS

**NEW!!**

Span: 67-1/2"  
 Area: 720 sq in.  
 Length: 47"  
 Wt: 6.25-7 lbs  
 Engine: .46-.61 (4st. 60-.75)  
 Radio: 4-5ch/5-7Sx

**COMBO 46PRO**  
 JUST \$49.95  
 FREE PITTS MUFFLER

**TWO VERSIONS... JUST \$179.95!**

## TRAINER SUPPLIES & ACCESS

**ZPOXY PREMIUM INDUSTRIAL STRENGTH MULTI-PURPOSE EPOXY**

Available in 5 & 30 Minute Cure Times. **Use 30 Minute for Assembly!**

#PAC-SZPOXY8 \$11.49  
 #PAC-30ZPOXY8 \$11.49

**ZAP-A-GAP/CA+ MEDIUM THICK GAP FILLING FORMULA FOR REPAIRS**

1oz ZAP-A-GAP #PAC-CA-IND \$4.79  
 2oz ZIP KICKER #PAC-ZKBB \$5.39

Use ZIP KICKER to accelerate cure time

## PACER PRODUCTS... YOU ORDER... WE SHIP!

**AIRTRONICS SERVOS**

UNIVERSAL "Z" PLUG

STANDARD #AIR-94102Z WITH "Z" PLUG FOR AIR Z, FUTABA, JR. **JUST \$9.95!**

**THE BEST RC SERVO! 42-53oz OF TORQUE!**

SUPER MICRO LITE #AIR-94091Z **JUST \$28.99!**

9g WITH "Z" PLUG! **JUST \$28.99!**

**BEST MICRO SERVO! 18-23oz OF TORQUE!**

**PREMIUM FOR RC #64 RUBBER BANDS**

JUST \$1.59 #VMA-RB64 4oz BOX!

**REAL RUBBER!** These are made for Model Aircraft Use... Twice the Strength!

**AIRTRONICS PARTS for VG & RD SYSTEMS**

Switch Harness #97001Z \$6.83  
 Servo Tray (2+1) #98213 \$2.90  
 Servo Tray (Ail) #98203 \$2.90  
 4.8V/700mAh Rx Batt #95008Z \$39.25  
 4.8V/270mAh Rx Batt #95002Z \$18.95  
 Antenna Tx VG & RD #99116 \$10.75  
 12" Ail Extension #97011Z \$6.83  
 Servo Grommet Set #99434 \$1.92  
 Servo Arms Assorted #98311 \$3.88  
 Trainer Cord VG & RD #97100 \$53.95  
 7ch FM Receiver #92777Z \$53.95  
 Super Micro ESC #96334Z \$35.95

**PROPS 'N PLUGS**

FOR VMX-40PRO

PROP FOR BREAK IN...  
 - NYLON #MAS-1050 \$1.80 OR  
 - WOOD #RPM-1050B \$1.30

PROP AFTER BREAK IN...  
 - NYLON #MAS-1060 \$1.80 OR  
 - WOOD #RPM-1060B \$1.30

FOR VMX-46PRO

PROP FOR BREAK IN...  
 - NYLON #MAS-1070 \$1.80 OR  
 - NYLON #APC-10060 \$2.38

PROP AFTER BREAK IN...  
 - NYLON #MAS-1170 \$1.97 OR  
 - NYLON #APC-11060 \$2.58

MASTER AIRSCREW PROPS FOR OTHER ENGINES

25 SIZE #0960 \$1.55  
 61 SIZE #1180 \$1.97  
 76 SIZE #1280 \$2.63  
 120 SIZE #1680 \$6.82  
 #3 PLUG \$7.50  
 ENYA ENY-GPLUG3

## ACCESSORIES FOR TRAINERS

Low Cost Top Quality Accessories for 40-60 ARF Trainers such as the VMAR Apache III, Challenger and Discovery. (\* Items are Basic Essentials)

- \* Fuel Line 2ft for Glow Fuel #DUB-222 \$1.32
- \* Metric Ball Driver - 5pc Metric Set #DUB-453 \$10.45
- \* 1/2" Foam Rubber (For Receiver) #DUB-514 \$3.58
- \* RRCS - 30 Minute Epoxy - 4oz Set #PAC-30ZPX4 \$6.49
- \* Mixing Cups for Epoxy (10) #RRC-MIXDISH2 \$1.85
- \* Dap-A-Goo Adhesive & Sealer #PAC-DAPAGOO \$4.59
- \* Field Kit containing Zap-A-Gap Medium CA, Zip Kicker CA Accelerator & Z42 ThreadLocker #PAC-FIELDKIT \$14.95
- \* Maple Leaf #64 Aircraft Grade Natural Rubber Bands #VMA-RB64 (4 oz) \$1.59
- \* Mixing Sticks for Epoxy #RRC-MIXSTIX \$1.10
- \* Thread Locker #PAC-Z42 \$3.59
- \* Ball Link (1/16") for Throttle #DUB-190 \$1.23
- \* Safety Lock Clevis 2mm (12) #DUB-820 \$9.18

**Top Quality Accessories For ARF Trainers**

## Low Cost Top Quality Accessories for .40 - .50 size 2-stroke engines such as the VMX-46PRO & 52PRO, Enya 40SS & 40SBB & 50CX. (\* Items are Basic Essentials)

**Top Quality Accessories For .40-.50 Engines**

- \* Bulb Type Fuel Pump #DUB-519 \$12.35 (or Sullivan 12 oz. Bulb #SUL-179 \$9.40)
- \* Glow Plug Ignitor & Charger #DUB-666 \$15.52 (or Sullivan with Meter #SUL-M039 \$32.88)
- \* 4 Way Wrench #DUB-701 \$5.15
- \* 10 x 5 Propellor (for Breakin) #RPM-1050B \$1.30
- \* 10 x 6 Propellor #MAS-1060 \$1.80
- \* 10 x 7 Propellor #MAS-1070 \$1.80
- \* After Run Engine Oil #PAC-ARUN \$3.99
- \* Chicken Stick (for Safe Starting) #SUL-245 \$25.50
- \* Glow Plug - RC Long #SWA-S20RCL \$2.45
- \* Primer Bottle #RRC-PRIMER \$1.53
- \* Exhaust Deflector #DUB-697 \$3.00

**Stock Up on Extra Props & Plugs!!**

## VIPER ARF ECS - IN 3 FORMS!

**NEW!!**

Electric RC Version Shown

**CONTROL LINE VERSION**

#VMA-V12LG (Green)  
 #VMA-V12LO (Orange)  
 #VMA-V12LR (Red)

Span: 33-1/2"  
 Area: 260 sq in  
 Engine: .15-.25  
 Tank Included.  
 Fully Sym Wing No Dihedral  
 Optional Flaps Included!

**ELECTRIC RC VERSION. Wt: 20.8oz**

#VMA-V22EG (Green)  
 #VMA-V22EO (Orange)  
 #VMA-V22ER (Red)

Span: 33-1/2"  
 Area: 260 sq in  
 Flat Bottom Wing  
 3 deg Dihedral. With 400 Motor (7.2v), Gear Box & 8x6 eProp. Use 9.6v/600-800mAh Battery

**BONUS! FREE CONTROL HANDLE!**

**JUST \$54.95!**

**JUST \$74.95!**

**ELECTRIC, GLOW OR CONTROL LINE!**

## PILATUS PC3B ARF ECS - ELECTRIC

**2 VERSIONS... BOTH WITHAILERONS & ELEVATOR!**

#VMA-P21ES AEROBATIC SILVER - NO DIHEDRAL

Power Unit not included.

Span: 31-1/2 in. Flat Bottom  
 Area: 160 sq in. Length: 27 in.  
 Weight: 19.3oz Direct Drive  
 20.8oz w/Gear Box

Radio: 3ch/2microSx+ESC (AIR-VG407FM + ESC 96344Z)  
 Use 9.6v/600-800mAh Battery w/400 Motor (7.2v)  
 Direct Drive use 6x4 eProp, or use 2.5 to 1 Gear Box & 8x6 eProp. (2 to 1 thru 3 to 1 OK)

**INCREDIBLE PRICE... JUST \$49.95!**

## CUB - ELECTRIC ARF 54" SPAN

**SCALE LIKE ELECTRIC ARF AT A LOW PRICE!**

Span: 54-3/4". Area: 418 sq in Flat Bottom Wing w/struts. Length: 35"

- Wt: 24oz w/400 Direct, 600mAh Battery Pack & 6x4 eProp. w/AILERONS!  
 - Wt: 27oz w/400 & 2.5 to 1 GearBox, 800mAh Battery Pack & 8x6 eProp  
 - Wt: 2.1 lbs w/550 Motor & 6 Sub C Battery, 9x4.5 eProp. Use up to 10 cells

Radio: 3-4ch/2-3miniSx+ESC (AIR-VG407FM + ESC 96344Z for up to 8 Cells)

**INCREDIBLE PRICE... JUST \$59.95!**

## CUB 10 ARF -TRAINER LOW PRICE!

**GREAT FOR SMALL GLOW ENGINES w/AILERONS!**

**NEW! #VMA-C21GX**

Span: 54-3/4". Area: 418 sq in.  
 Flat Bottom Wing w/struts  
 Length: 35"  
 Wt: 1.5 lbs  
 Engine: .061-.12  
 Radio: 3-4ch/3-4 Mini or Micro Sx (AIR-VG407FM + 94091Z Servo + 95002Z 270mAh Rx Pack)

Accepts most popular .061 to .12 Glow Engines.  
 Micro Servos Recommended.

**ENYA COMBO JUST \$39.95!**

**SUPER PRICED... JUST \$59.95!**

## RUBBER POWER FOAM FLYER JR 16"

3D Fuselage #VMA-0010

Our Smallest ARF! 16" Wing Span! Rubber Power!

**JUST \$3.99!**

## RUBBER POWER FOAM FLYER 24"

3D Fuselage #VMA-0015

Truely ARF! Big 24" Wing Span! Rubber Power!

Takes Off from Pavement!

**JUST \$5.39!**

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**SAVE ON ENGINES AND RADIOS WITH OUR HOT COMBOS!**

**EDGE 540T**

DETAILED COCKPIT & PILOT!

4 COLORS DARK GREEN #VMA-E160U PEARL RED #VMA-E160R PEARL VIOLET #VMA-E160V PEARL YELLOW #VMA-E160Y

FLAPERON READY!

PLUG IN WING! 2 ALUMINUM SPARS!

FIBREGLASS COWL, MAIN GEAR & PANTS

Graphics are INSIDE THE POLYCOTE... not stuck on top!

No Decals, No Layers, No Strips, No Stripes!

UltraTough Polycote Polyester!

Goodbye Sags! Goodbye Bubbles!

Span: 56 in. Area: 616 sq in. Symmetrical Length: 49.5 in. Wt: 6.25-7 lbs Engine: .46-.61 Radio: 4ch/5sx

COMBO 46PRO JUST \$49.95 FREE PITTS MUFFLER

w/POLYCOTE ECS... JUST \$169.95!

**ARROW AEROBATIC 40-46 ARF**

KNIFE EDGE CAPABLE! KNIFE EDGE RUDDER!

PRE-INSTALLED METAL MOUNT!

SYMMETRICAL WING!

Span: 60" Area: 630 sq in. Length: 44-1/2" Wt: 5-6 lbs Engine: .40-.47 Radio: 4ch

NOW ALSO IN YELLOW!

COMBO 46PRO JUST \$49.95!

**THE CUTTING EDGE... JUST \$109.95!**

**V-STIK 40 ARF #VMA-U140X**

BEST VALUE STIK 40 ARF! NOTHING COMPARES!

HOTTEST FUN AROUND!

TRIKE GEAR!

Span: 60 in. Area: 619 sq in. Length: 46 in. Wt: 5-5.5 lbs Engine: .40-.53 Radio: 4ch

COMBO 46PRO JUST \$49.95!

UNBEATABLE PRICE! UNBEATABLE VALUE!

JUST \$79.95! COMBO WITH ANY OTHER VMAR ARF... \$59.95!

**CAP 40 ARF**

VALUE CAPPED!

Also in 60 & 90+ Size

Span: #VMA-C044 59-1/4 in. Area: 518 sq in. Length: 44 in. Wt: 5.5-6 lbs Engine: .40-.53 Radio: 4ch

COMBO JUST \$49.95!

JUST \$129.95!

**DO YOU NEED BALSALOOD?**

**HOT!!**

PREMIUM QUALITY BALSALOOD SHEETS... 3" & 4" WIDE!

PLEASE SEE BACK COVER FOR LOWEST BALSALOOD PRICES AVAILABLE!

**XTREME STIK 40 ARF ECS**

EXTREME ACTION WITH FLAPS & AILERONS!

TAIL DRAGGER EXTREME!

ULTRA TOUGH POLYCOTE!

JUN 2003

Span: 60 in. Area: 619 sq in. Length: 46 in. Wt: 5-5.5 lbs Engine: .40-.53 Radio: 4-5ch/5-7sx

COMBO 46PRO JUST \$49.95!

UNBEATABLE PRICE! EXTREME ACTION!

JUST \$94.95! COMBO WITH ANY OTHER VMAR ARF... \$74.95!

**CAP 60-90 ARF**

NOTHING CAPS THIS!

Fibreglass Main Gear!

Span: 64 in. Area: 625 sq in. Length: 50" Wt: 6.5-7 lbs Engine: .60-.90 Radio: 4ch/5Sx

60XF4ALC ENYA COMBO JUST \$179.95!

JUST \$199.95!

**EXTRA 40 ARF**

RED OR BLUE

Span: WITH PILOT! 58-3/8 in. Area: 510 sq in. Length: 42-3/8 in. Wt: 5.5-6 lbs Engine: .40-.53 Radio: 4ch

46PRO COMBO JUST \$49.95!

JUST \$129.95!

**V-STIK 60 ARF #VMA-U160X**

BEST VALUE STIK 60 TAIL DRAGGER!

FUN FLY TAIL DRAGGER!

**HOT!!**

MOVER!

Span: 68-1/2 in. Area: 925 sq in. Length: 54-56 in. Wt: 6-7lbs Engine: .45-.61 Radio: 4ch

COMBO 46PRO JUST \$49.95!

COMBO WITH ANY OTHER VMAR ARF... \$79.95!

JUST \$99.95!

**CAP 90-120 ARF**

INCREDIBLE VALUE!

Span: 73-5/8 in. Area: 897 sq in. Length: 65 in. Wt: 11-13 lbs Engine: .90-1.20 Radio: 4ch/7Sx

ENYA 155 4 st ENYA COMBO JUST \$349.95!

JUST \$284.95!

**AVENGER 60 ARF**

AFFORDABLE PATTERN!

Span: 66-1/4" Area: 740 sq in. Symmetrical. Swept LE & TE. Plug In Length: 54-1/2" Wt: 7.5-8.5 lbs Engine: .60-.90 Radio: 4-6ch w/5 servos

ENYA 60XF4ALC ENYA COMBO JUST \$179.95!

JUST \$199.95!

**XTREME STIK 60 ARF ECS**

EXTREME ACTION WITH FLAPS & AILERONS!

**NEW!!**

JUN 2003

Span: 68-1/2 in. Area: 925 sq in. Length: 54-56 in. Wt: 6-7lbs Engine: .45-.61 Radio: 4-5ch/5-7sx

COMBO 46PRO JUST \$49.95!

A TAIL DRAGGER WITH ALL THE MOVES!

#VMA-X160X

COMBO WITH ANY OTHER VMAR ARF... \$99.95!

JUST \$119.95!

**ZPOXY**

WHEN JOINING WINGS & ATTACHING STABS... BE SURE!



Available in 5 & 30 Minute Cure Times. Use 30 Minute for Assembly!

#PAC-5ZPOXY8 \$11.49 #PAC-30ZPOXY8 \$11.49

BE SURE! USE ZAP!



Use ZIP KICKER to accelerate cure time

Ask about 30 Minute Zepoxy, Pacer ZAP-A-GAP and ZIP KICKER for assembling or repairing your model. Huge Stock of Quality CA on hand!



**MAPLE LEAF**

#VMA-RB64

#64 RUBBER BANDS MADE ESPECIALLY FOR MODEL AIRCRAFT! TWICE AS THICK!

4oz Box \$1.59!

The graphics are INSIDE THE POLYCOTE... not stuck on top!

No Decals, No Layers, No Strips, No Stripes!

Proprietary Sure Seal Seams will not lift!

Totally Fuel Proof!

**ENGINE COMBOS!**

CHECK OUT OUR TERRIFIC COMBO OFFERS ON VMAX & ENYA ENGINES!

**.46 ENGINES FROM \$34.95!**

**VMAX**

**DEHAVILAND BEAVER 45-60 ARF - 72" SPAN! #VMA-B140C**

FLAPERON READY!

COCKPIT & EXTERIOR GRAPHICS!

PINNED HINGES!

GLASS COWL!

Includes Functional Wing Struts Not Shown

POWER MODULE SYSTEM!

SYMMETRICAL WING!

FIBREGLASS MAIN GEAR!

Span: 72 in. Area: 774 sq in. Symmetrical Wing Length: 43-46" Wt: 6-6.5 lbs Engine: .45-.61 Radio: 4ch/4Sx Add 1ch/1Sx for Flaperons

INCLUDES FREE CLOTH PILOT BUST!

Also Available with Main Color WHITE #VMA-B140W

COMBO 46PRO JUST \$49.95 FREE PITTS MUFFLER

**MOST POPULAR SIZE JUST \$179.95!**

**DEHAVILAND BEAVER 120+ ARF - 10 FT SPAN!**

ALL CONTROL SURFACES PRE-INSTALLED & PINNED!

2 PIECE EASYTRANSPORT SEMI-SYMMETRIC PLUG IN WING!

TWO ALUMINUM TUBE SPAR JOINERS!

FLAPS & AILERONS!

EPOXY PAINTED FIBREGLASS COWL!

POWER MODULE SYSTEM!

FIBREGLASS MAIN GEAR!

AERO DYNAMIC STRUTS!

Span: 120" Area: 1650 sq in. Airfoil: Semi-Symmetric Length: 69" Wt: 15 - 18 lbs Engine 1.20 - 62 cc Radio: 4 ch w/7 Sx Add 1ch/2Sx for Flaps

ALL NEW MODEL! NOT EXACTLY AS SHOWN

**NEW!!**

MAY 2003

INCLUDES FREE 2 FULL BODY CLOTH PILOTS & CABIN LINERS!

ENYA 155 4-Stroke #ENY-1554C ENYA COMBO JUST \$349.95!

**INCREDIBLE! JUST \$449.98!**

**AIRTRONICS COMBOS!** NEW "Z" TYPE

4CH FM (4 Sx) #AIR-VG400FM \$123.95

COMBO \$113.95! SAVE \$10

6CH FM (4 Sx) #AIR-VG600FM \$147.95

COMBO \$134.95! SAVE \$13

RD6000 SPORT 6CH (4 Sx) #AIR-RD320FM COMPUTER \$214.95

COMBO \$184.95! SAVE \$30

**DEHAVILAND BEAVER 60-90 ARF - 84" SPAN! #VMA-B160C**

FLAPS & AILERONS!

COCKPIT & EXTERIOR GRAPHICS!

PINNED HINGES!

GLASS COWL!

Includes Functional Wing Struts Not Shown

POWER MODULE SYSTEM!

Span: 84 in. Area: 1008 sq in. FIBREGLASS MAIN GEAR! 2 PIECE EASY TRANSPORT PLUG IN SEMI-SYM WING WITH ALUM TUBES!

Semi-Sym Wing Length: 64 in Wt: 10-12lbs Engine: .60-.90 Radio: 4ch/5Sx Add 1ch/2 Sx for Flaps

INCLUDES FREE FULL BODY CLOTH PILOT!

Cabin Top Hatch for easy access to Radio System

Wings "Plug In" using two Aluminum Tubes and Heavy Duty Retaining Bolts.

ENYA 60XF4ALC ENYA COMBO JUST \$179.95!

**BEST OF CLASS JUST \$299.98!**