World's First Production, Electronic Powered Automobile
Anything Else is Obsolete!
FROM TODAY'S ELECTRONIC TECHNOLOGY
A totally new concept in automotive design that embodies advanced construction, safety and electronic power systems that deliver the most economical transportation in automotive history.

THE EXAR-1 IS A REALITY TODAY!
The only intelligent automobile for our times with unique styling, solid construction, and virtually maintenance-free systems that have been engineered to free you from costly maintenance and return pride of ownership.

THE EXAR-1...After years of innovative engineering is READY. More than incredible economy and easy responsive handling is the factor of eliminating automotive pollutants from the air we breathe and freeing us from our reliance on imported petroleum for transportation.

The age of the ELECTRONIC AUTOMOBILE HAS BEGUN.

...ANYTHING ELSE IS OBSOLETE!

THE EXAR-1...A FUTURISTIC YET CONSERVATIVE MASTERPIECE OF EUROPEAN DESIGN.

STANDARD FEATURES

BODY/CHASSIS
- FRONT-WHEEL DRIVE
- RACK AND PINION POWER ASSISTED STEERING
- FOUR-WHEEL DISC BRAKES WITH DUAL MASTER CYLINDERS
- 4-SPEED SEMI-AUTOMATIC ELECTRONICALLY CONTROLLED TRANSMISSION
- 4-WHEEL INDEPENDENT SUSPENSION
- GOODYEAR LOW-ROLLING RESISTANCE RADIAL TIRES
- WRAP AROUND ENERGY ABSORBING G.E. ALL-LEXAN® BUMPERS
- RECTANGULAR HALOGEN BEAM HEADLAMPS
- ELECTRIC POWER WINDOWS
- ROOMY 2-DOOR COUPE CAN ACCOMODATE 5 PASSENGERS
- AERODYNAMIC DESIGN BY PIETRO FRUA OF ITALY
- THICK ACRYLIC PIGMENT FINISH/KELVAR®
- SPORTY ALUMINUM ALLOY WHEELS
- DESIGNER COLORS: BLUE, YELLOW, WHITE, GREEN, RED, BLACK, BRONZE, AND SILVER

INTERIOR/COMFORT
- CRAIG AM/FM/CB RADIO AND CASSETTE STEREO SYSTEM
- HEATER-PROGRAMMABLE LIQUID FUEL BY STEWART WARNER
- AIR CONDITIONING-SANKYO NEW GENERATION COMPRESSOR DESIGN
- ON-BOARD AUTOMATIC CHARGER
- RECLINING CONTORURED BUCKET SEATS
- ADJUSTABLE HEAD RESTRAINTS FRONT AND REAR
- INTERIOR UPHOLSTERY IN RUGGED TEX-LEATHER
- THICK STAIN RESISTANT CARPETING
- DELUXE DASH AND INTERIOR

SEAT BELT AND SHOULDER HARNESS SYSTEM
- TINTED WINDSHIELD
- REAR WINDOW DEFROSTER
- 2-SPEED WIPERS/WASHERS
- EASY-TO-SEE INSTRUMENTATION (SEE SPECIFICATIONS)
- Air Bags if available by production time.
COMPUTER
CONTROLS/MONITORS...ENERGY FLOW, ANTI-THEFT SYSTEM, INEBRIATION PAD, OPTIMUM GEAR, BRAKE WEAR, BATTERY CONDITION AND WATER LEVEL, CHARGING CYCLE, CABIN TEMPERATURE, MESSAGES, AMMETER, VOLTMETER, PLUS MANY, MANY, MORE...

PARTS NOT NEEDED
SPARK PLUGS, DISTRIBUTOR, CRANKCASE, PISTONS, RADITOR, WATER PUMP, FUEL PUMP, CARBURETOR, HOSES, IGNITION, FAN BELT, VALVES, MUFFLER, TAILPIPE, AIR & OIL FILTER, CONDENSOR, STARTER, AND POINTS, ETC...

DRIVE SYSTEM
The EXAR-1 electric motor powers this automobile at speeds compatible to today's modern highways with ease and silence. The high performance GE electric motor system has been created to keep performing at peak efficiency for more miles than you ever thought possible, virtually maintenance free.

ENERGY SYSTEM
The energy unit developed by one of America's outstanding makers of automotive batteries can be recharged by using a common 110-volt or 220-volt AC outlet in conjunction with the automatic charger unit that is built into the car. The range of 75 to 100 miles should allow most commuters to travel several days between charging, even allowing for use of the radio, cassette deck, heater/defroster, windshield wipers, headlamps, and the array of exclusive equipment that the EXAR-1 features.

This remarkable energy system brings you 'miles for pennies' economy and is warranted by Amectran and its maker. For convenience, an energy gauge shows you the amount of charge remaining in the system.

HANDCRAFTED CONSTRUCTION
Engineered safety begins with a molded acrylic body reinforced with 'Kevlar® that has impact and damage-resistant properties of no other car made. EXAR-1 coachwork will surround you with beauty and reassuring safety for years of driving pleasure. The color is actually pigmented in the material rather than painted on the surface.

Another innovation is body parts that are easily replaceable at very low cost in modular systems, should severe damage ever cause this to be necessary.

Couple this tough, durable, rust-proof body with steel beam construction in the EXAR-1 frame and you can begin to realize Amectran's emphasis on safety and lasting beauty.

COMPUTER
The micro-computer in the EXAR-1 is used for a variety of tasks and is central to the advanced technology of the vehicle. Although its major function is to optimize the flow of electricity from the battery system to the motor, it also performs a myriad of tasks for safety, diagnosis, security, and convenience.

Immediately upon stepping into your EXAR-1, the computer acts as an inebriation device asking you to match 6 random numbers that appear on the screen. Next, when you enter in your personal identification code and the screen responds by flashing "POWER ON" you are ready to experience the thrill of driving the EXAR-1.
Pricing:
- All equipment standard
- No factory options
- Suggested Price: $7,800

Manufacturer:
- AMECTRAN CORPORATION
  (American Ecological Transportation)
- 13700 Harry Hines Boulevard
  Dallas, Texas 75234
- Phone: 214/484-3343
- TELX: 732561 (Teleserv Dal)

General:
- Maximum Speed: 85 mph
- Curb Weight, lb: est. 3,000
- Weight Distribution (w/Driver): Front/Rear: 49/51
- Track, Front/Rear: 57.9/56.3
- Wheelbase, in: 105.9
- Length: 198.0
- Width: 69.0
- Height: 49.6
- Ground Clearance: 6.0
- Fuel Capacity/Heater
  (U.S. Gallons): 2.0

Chassis & Body:
- Layout: Front Motor/front drive
- Body/Frame: Separate vacuum formed Acrylic/Alloy body with multi-tubular 4130 Chrome/Alloy steel frame.
- Aerodynamics: 0.28 Coefficient of Drag
- Brake System: Discs front & rear, power assisted; regenerative braking.
- Wheels: Cast alloy, 15 x 6
- Tires: Goodyear HR 78-15" low rolling resistance radials
- Steering: Type Rack & Pinion, power assisted
- Suspension: Independent, by MacPherson front & rear coil springs/telescopic damper struts, lower wishbones, anti-roll bar

Safety:
- Will meet all Department of Transportation Regulations.

Motor & Drivetrain:
- Type: Series wound
- Weight (lbs): 225
- HP Rating: 19
- Engine RPM: 1,440
- Transmission: 4-Speed Manual
  (Select Automatic)
- Gear Ratios:
  - 4th (1.13): 4.18:1
  - 3rd (1.46): 5.40:1
  - 2nd (2.11): 7.81:1
  - 1st (3.46): 12.80:1
- Final Drive Ratio: 3.7:1

Energy Storage:
- Type: Lead/Acid, 6-v
- Voltage, v: 144
- Weight, lb: 1,600

Controller & Charger:
- Type: SCR TRANSISTOR, with regenerative braking
- On-board input voltage: 220-v or 110-v
- Maximum output amperage: 40
- Battery Recharge:
  - 5 hrs. — 220V, 8 hrs. — 110V

Speed in Gears:
- 4th gear: Passing up to 85 mph
- 3rd gear: 60 mph & under (combination highway and local)
- 2nd gear: Under 30 mph (neighborhood traffic)
- 1st gear: Start & bumper-to-bumper

Energy Economy:
- Normal Driving: 75-100 miles/charge Equivalent to 125-180 mpg
- Conventional ICE vehicle

Instrumentation:
- Speedometer, Tachometer, Odometer, Energy Indicator, Motor Temperature, Fuel Gauge (heater), digital clock, & on-board computer diagnostic system
- Warning Lights: Brake system, Power On, Rear Window Heat, Seatbelts, Hazard, High/Low Beam, Directionals, Tank, Air, Low Energy

Maintenance:
- Service: Air: Tires as needed, Water Batteries as indicated by Computer
- Lubrication: Chassis as required