



WORLD OF MOTION

EPCOT Center, P.O. Box 40 Lake Buena Vista, Florida 32830



The Lean Machine

There are visionary vehicles in GM's "World of Motion" that are more than dreams. One possibly historic innovation has been dubbed the "Lean Machine" because of its slender girth and *leaning* capabilities.

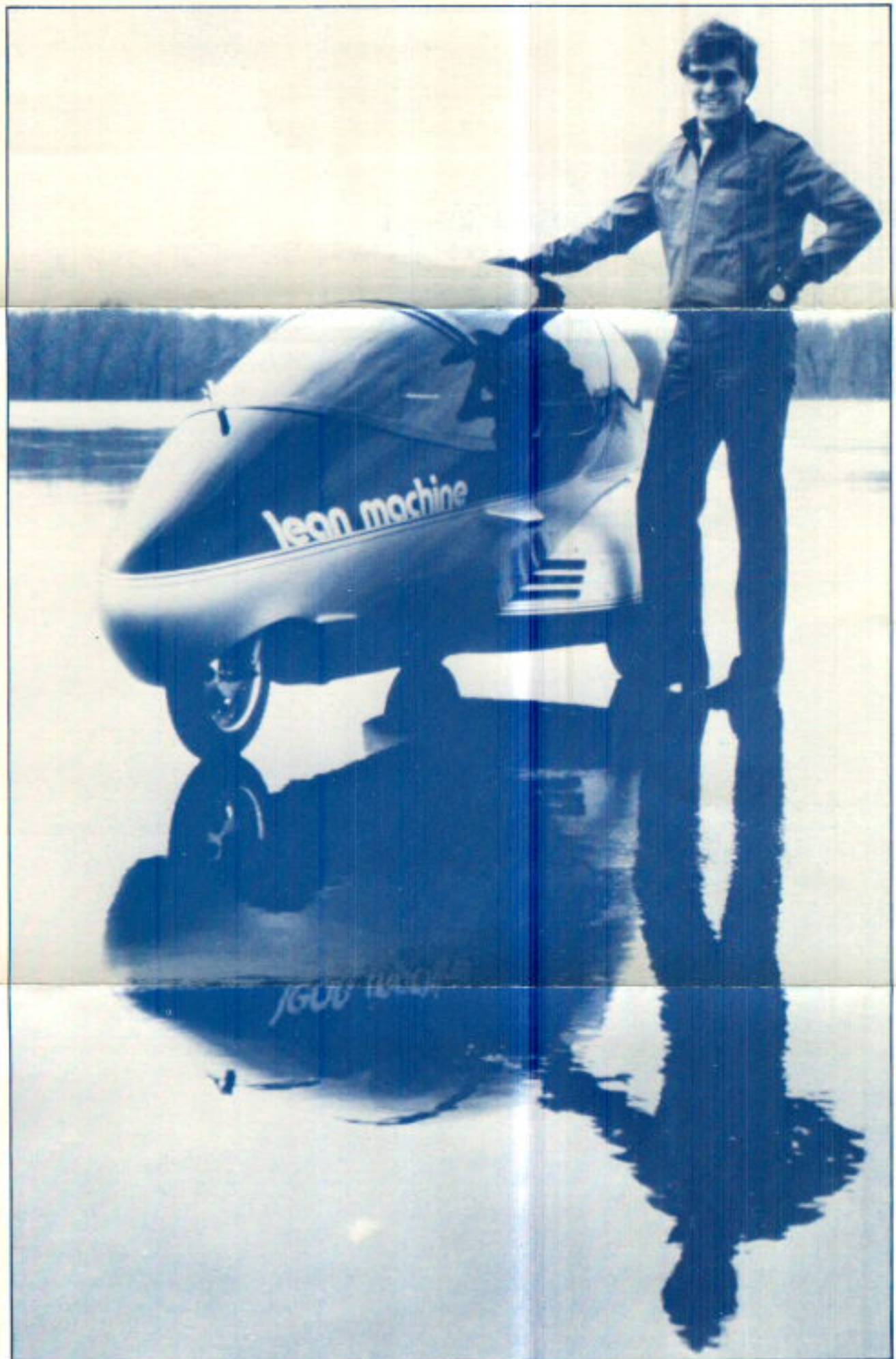
It may be the first new road vehicle invented this century. Similar to a motorcycle in size and weight, computer studies show it can accelerate to 60 mph in seven seconds and travel up to 200 miles on a gallon of gas. Although similar to cycles, the "Lean Machine" parts company mainly in its suspension, aerodynamics, and passenger accommodations. A motorcycle is unstable and must be propped on its two wheels when not moving. And its rider sits out in the open.

Not so the "Lean Machine." It has one wheel in front; but two more in back give it a three-point stand. And the rider is enclosed in a fiberglass shell. Now for the "lean."

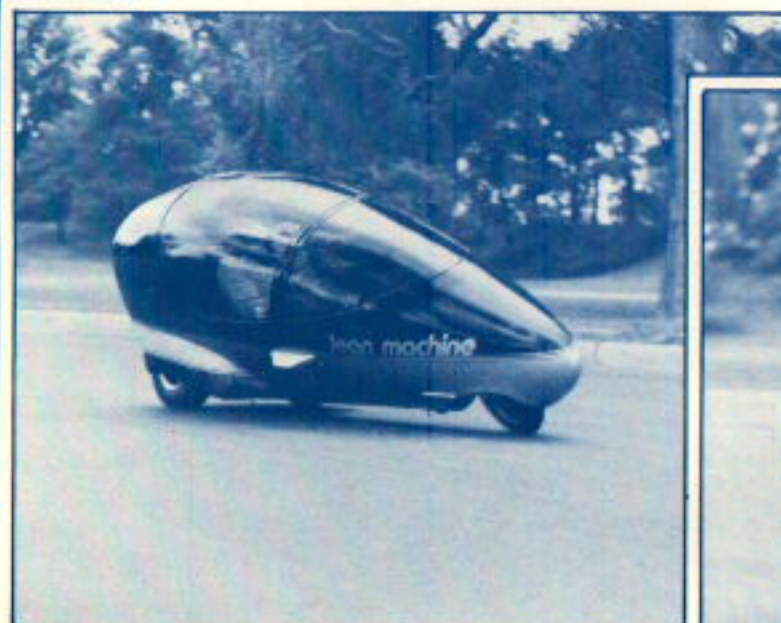
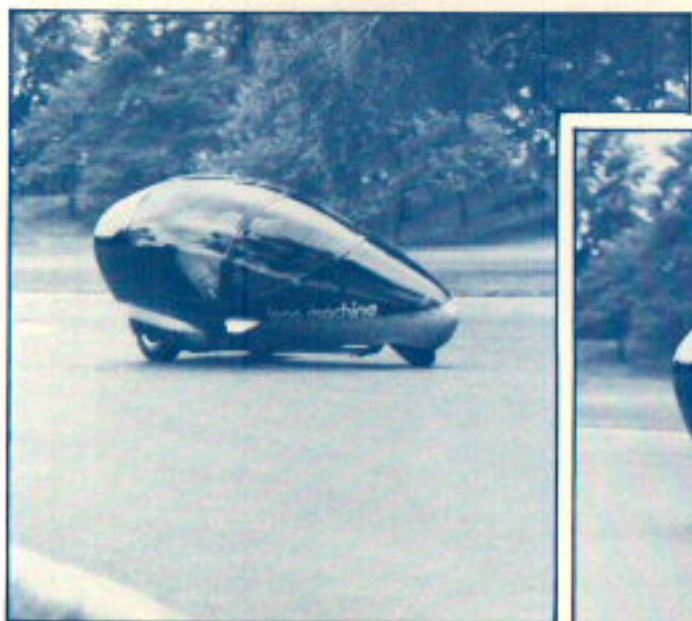
This elongated passenger pod, mounted at either end above the power pod, rotates horizontally and separately from the lower unit. The rotation enables the rider to lean into a turn, as cyclists do, while the power pod remains upright.

The passenger compartment has all of the conveniences of an automobile. Steering, braking, and throttle controls are combined in the handlebars. It has an automatic transmission and a rear-mounted, liquid-cooled, 38 horsepower engine.

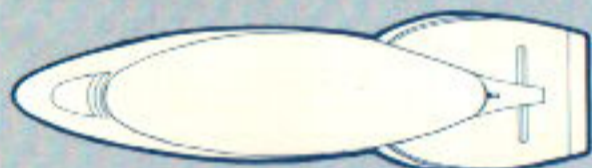
In the wind tunnel, GM engineers have reduced the aerodynamic drag to less than one-fifth of a motorcycle and one-eighth of an automobile. That means it's lean on gas.



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LEAN MACHINE



LEAN MACHINE SPECIFICATIONS

Wheelbase	71 in.
Tread Width	28 in.
Overall Length	122 in.
Overall Width	36 in.
Overall Height	48 in.
Curb Weight	400 lbs.
Drag Coefficient	.15
Engine	2 cylinder, liquid cooled, four cycle, 38 HP
Transmission	Continuously variable automatic with cog belt final drive to differential and solid axle.
Suspension: Front	Telescopic fork
Rear	Trailing arms with spring over shock units.
Performance 0-60 mph	6.8 sec.

