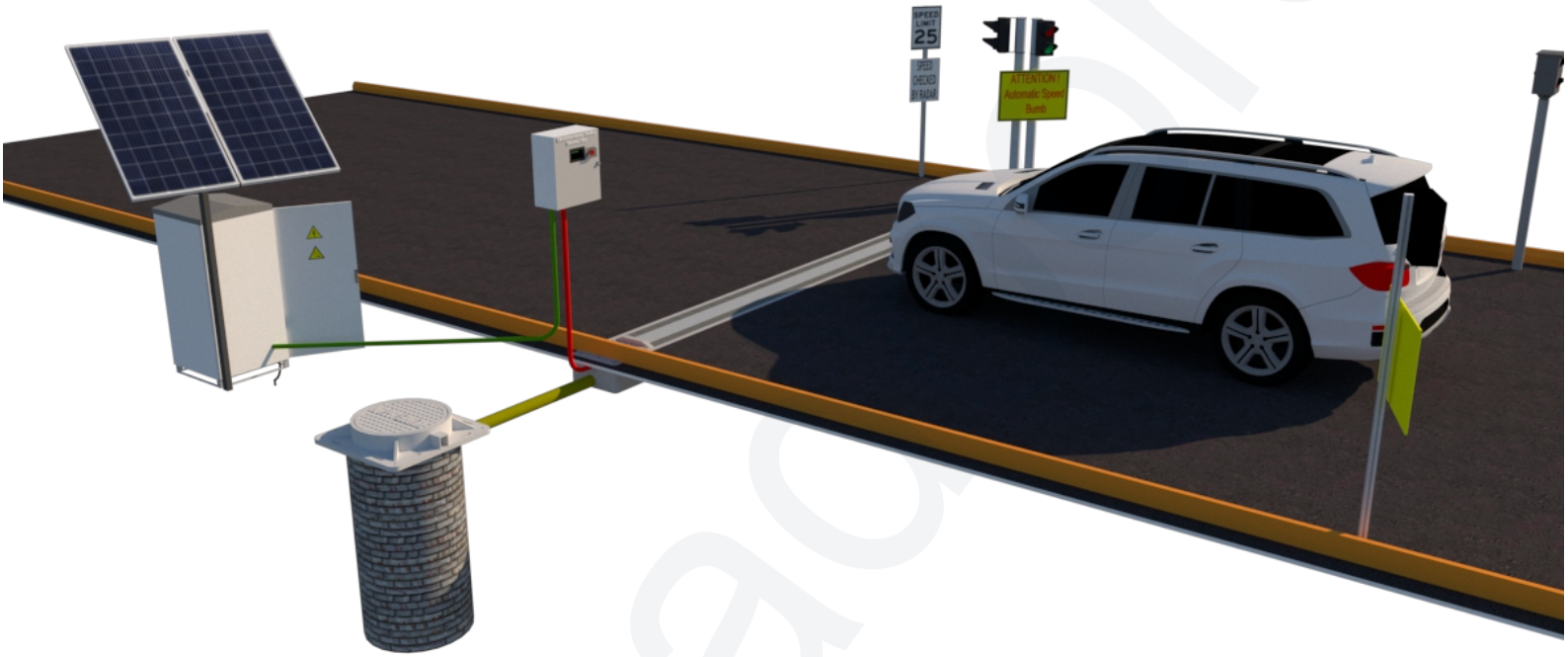
madoors
High Security
Barrier and Gate Systems

ASB-500 SERIES
AUTOMATIC SPEED BUMP
SYSTEMS

ASB-500 SERIES



. Motorized Automatic Speed Bumb
. Does not disturb drivers who follow the rules
. 2 Years Warranty
. Special Open-Close Speed Controller Systems
. CE Certificate
. Speed Radar Dedector
. Remote Control Buttons
. Automatic and Manual Controller

Adres : Saray Mahallesi / Atom Caddesi / Küme Evleri **No :** 155 Kahramankazan ANKARA / **TÜRKİYE**
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That is why we call it Smart, because it treats drivers differently depending on their speed. After all, the speed bumps exist to slow us down and to save lives. We just want a speed bump that performs its work without unnecessarily annoying us.

Our ASB-500 Automatic Smart Bump is as effective as the old speed bumps, but without the costly side effects.

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The MAdoors systems automatic speed bump is configured to fold downward substantially flush with the roadway surface over a short but predetermined period of time when driven over by a motor vehicle. If the motor vehicle is traveling at a reasonable speed the retraction of the speed bump allows the vehicle to travel over the retracted speed bump with little or no vertical displacement of the vehicle. However, a motor vehicle traveling at a higher than permissible speed passes over the motorized speed bump too rapidly to allow the bump to retract, resulting in a significant jolt to the vehicle and its occupants. The mechanism incorporates a number of shock absorbers and springs to accomplish the effect. The strength of the shock absorbers and springs are determined according to the number of units installed, the anticipated speed of traffic, and numerous other factors .

The Madoors automatic smart speed bump is installed in a roadway to discourage motor vehicle travel at excessive speeds. The device includes a box-like structure set into the surface, the box having upper edges flush with the surface. Two doors are hinged to the box along their opposite edges. Concentric spring and shock absorber assemblies lift the centers of the doors to create a speed bump.

The Madoors's automatic speed sensitive speed bump having a base plate, a front plate hingedly connected to the base plate, and a spring that biases the front plate toward a raised position. A speed-sensitive lock mechanism for locking the front plate in the raised position when impacted by a vehicle tire traveling at a speed at or above a predetermined speed. However, when the vehicle is traveling below the predetermined speed, the front plate is not locked in the raised position and collapses to a horizontal position such that the vehicle does not experience a bump.

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In the interest of safety to other vehicles and nearby pedestrians, the speed of motorized vehicles should be kept to a safe level. Excessive vehicular speeds, especially on roads through residential areas and in parking lots, create a dangerous environment for drivers and pedestrians alike. To that end, speed limits are posted on roads, with the local speed limit being dependent on the type of road and the location of the road. Unfortunately, many drivers disregard the posted speed limit.

Other methods, which drivers cannot disregard, are employed on some roads to keep the speed of vehicles at a safe level. It is common for speed bumps to be placed across roads in neighborhoods, parking lots, and other areas where it is desirable to ensure that vehicle speeds are limited. Such speed bumps are usually elongate, mounded areas of asphalt or cement that traverse the width of the road, or the width of a driving area of a parking lot, to ensure that each vehicle encounters the speed bump. The speed bumps are usually painted or physically treated in some manner to alert drivers to the presence of the speed bumps. The dimensions of the speed bumps are such that a vehicle must be slowed to a low speed to pass over the speed bump without jarring the vehicle. Passing over a speed bump at a higher speed, as is known to most drivers, causes a very undesirable jolt to the vehicle and its occupants. In this manner, speed bumps cause drivers to slow down to a low speed to pass over the bump.

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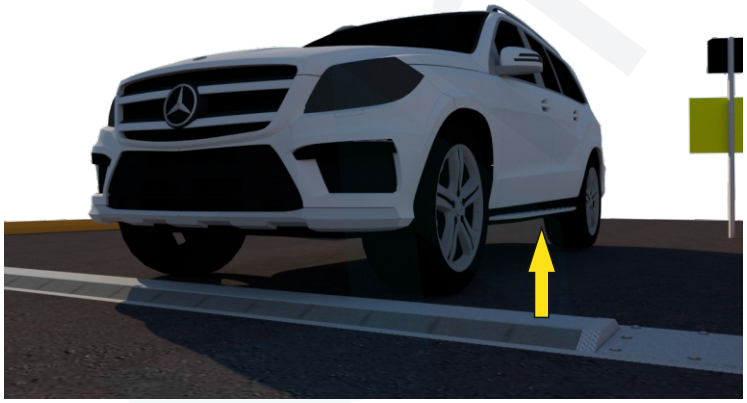
Speed bumps are typically installed at intermittent locations along a road or parking lot, but close enough to each other so that vehicles traveling between adjacent speed bumps do not have enough linear road space to accelerate to an unsafe speed, considering the low speed to which the vehicle is slowed to pass over the speed bumps. The speed bumps can be spaced apart any desired distance, which usually depends on the type, shape, and location of the road. For example, speed bumps in a parking lot should be placed relatively close together to drastically limit the speed of vehicles to perhaps 10 mph, but speed bumps on a residential street can be placed further apart to limit the speed of vehicles to perhaps 20 mph or 30 mph. Therefore, speed bumps prevent vehicles from traveling at unsafe speeds along an expanse of a road, in a parking lot, or other driving area.

However, such speed bumps can be very inconvenient and frustrating because they do not discriminate between vehicles driving at different speeds. Speed bumps are installed to require drivers traveling too fast to slow to a low speed to pass over the speed bump. However, drivers that already are traveling at a safe speed do not need the added deterrent of the speed bump to maintain their vehicles at a safe speed. Therefore, although a speed bump is necessary to slow down a fast driver, the speed bump is not necessary, and is a nuisance, for the slower, safer driver who does not exceed the speed limit.



A. If the set speed limit is exceeded, the automatic speed bump will rise in the direction of the arrow.

B. If vehicle cruising at the speed limit in accordance with the rules, the hump will not rise from the ground

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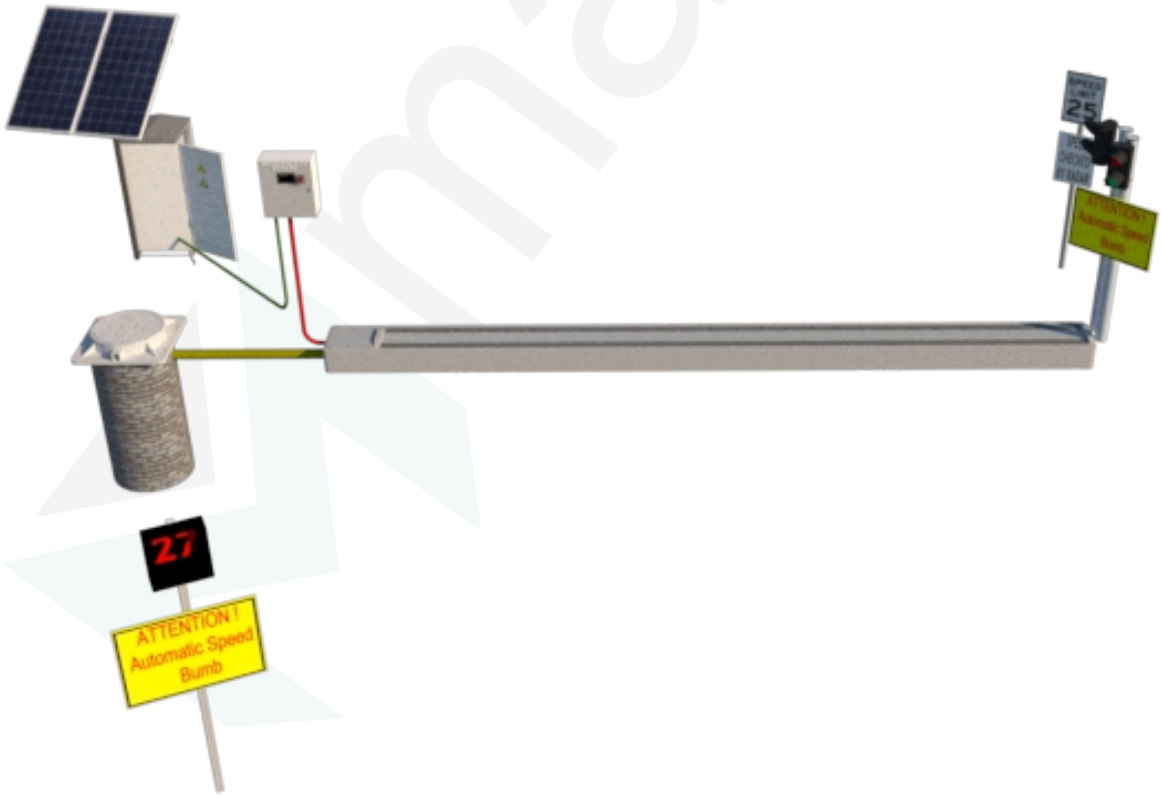
Therefore, speed bumps indiscriminately affect all drivers, even those traveling at a safe speed. This indiscriminate effect on vehicles traveling over speed bumps has caused many people to be opposed to the installation of speed bumps where they are otherwise needed, thereby contributing to an unsafe environment for other drivers on the road and nearby pedestrians.

Therefore, it can be seen that there is a need in the art for an automatic speed bump that is operative based on the speed of the vehicle that contacts the speed bump. There is also a need for an automatic speed bump that provides a bump for vehicles that encounter the speed bump traveling over a predetermined speed, but does not provide a bump for vehicles traveling below the predetermined speed. The Madoors system provides you with automatic speed bumps that guarantee 100% enforcement of these rules. It can be manufactured in one piece up to 6 meters. We have stainless steel or hot-dip galvanized steel fabrication options. We have automatic speed bump systems suitable for heavy tonnage and normal light vehicles. Hydraulic and electro-mechanical type can be manufactured. It can be operated with our solar battery systems on roads without electricity.



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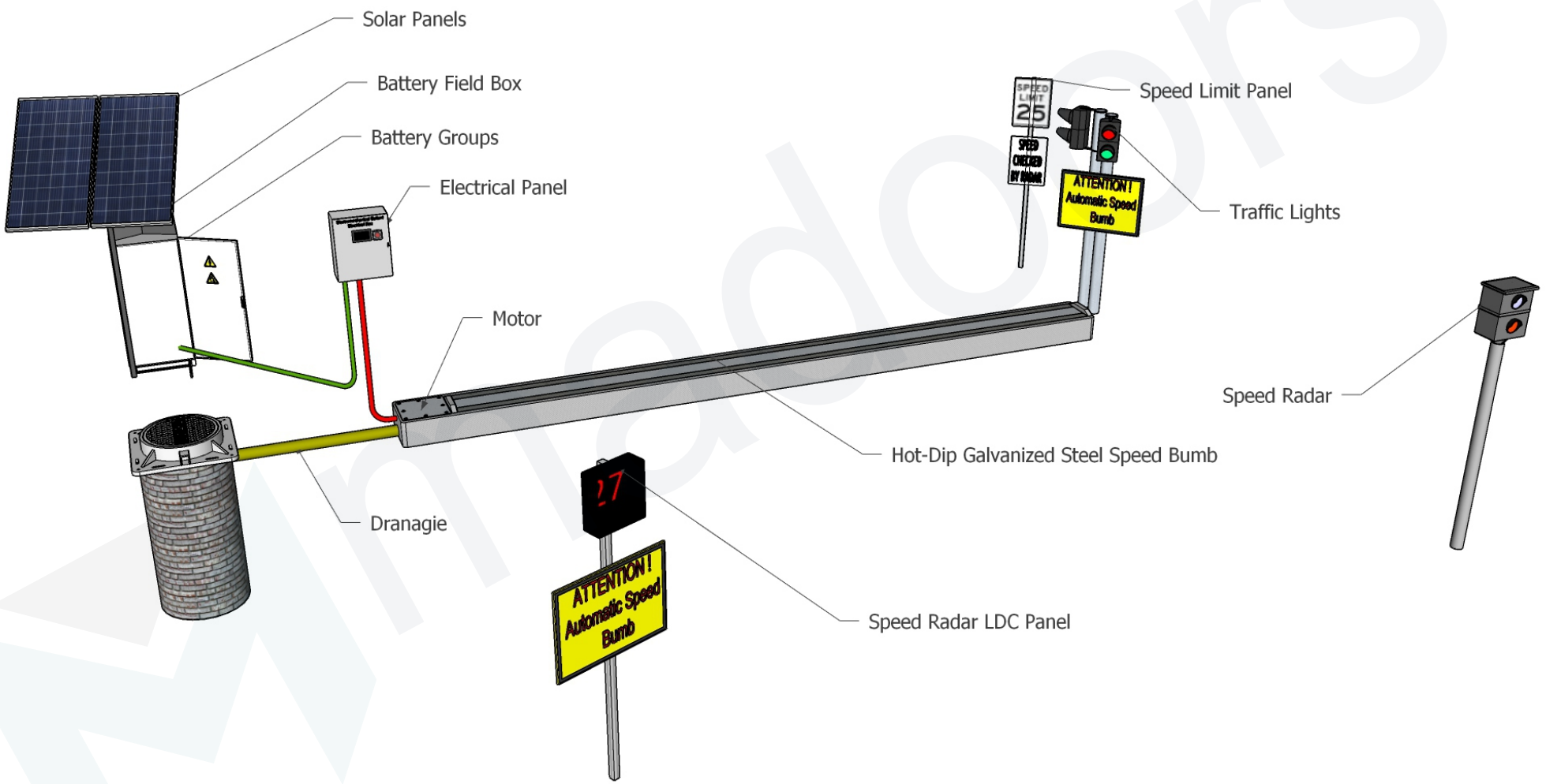

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Body Type	A-Type Heavy Duty Axle Tonnage Body	B-Type Normal Duty Axle Tonnage Body
Tonnage	80 Ton Big Truck	5 Ton Small Vehicle

	L	W	H
ASB-500/6m	600 cm	60 cm	30 cm
ASB-500/5m	500 cm	60 cm	30 cm.
ASB-500/4m	400 cm	60 cm	30 cm
ASB-500/3m	300 cm	60 cm	30 cm
ASB-500/2m	200 cm	60 cm	30 cm

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