



WOOD COASTERS & UPGRADES



VEKOMA™

RIDES MANUFACTURING BY



T U R N I N G Y O U R W O R L D A R O U N D



WHAT TO EXPECT

Wood coasters have offered excitement for many years. They combine speed, thrill and the nostalgic feeling of a wood coaster, all in one spectacular ride. The partnership between Rocky Mountain Construction and Vekoma Rides enables Vekoma Rides to offer new Topper- and IBOX tracks which can highlight these typical characteristics, and considerably improve the experience, smoothness and intensity of the ride, enabling for new features in your wood coaster and smoothing out the ride. With Rocky Mountain Construction and Vekoma Rides, nostalgia now meets excitement.

This brochure contains information about the Topper Track and IBOX Track. These special track systems are innovative alternatives to the traditional wood track and with Patents Pending on both the Topper Track and IBOX Track we can clearly state this to be really unique systems.



CHALLENGE THE THRILL-SEEKERS WHILE MAINTAINING THE ORIGINAL WOOD COASTER CONSTRUCTION. GIVE YOUR ATTRACTION A BOOST THAT WILL CERTAINLY BLOW YOUR GUESTS' MINDS!

NEW INVERTED FEATURES



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NEW WOOD COASTERS

TOPPER TRACK / IBOX TRACK



Vekoma Rides has the capability and certainly the interest to work with you on new or existing wood coasters, all with new and innovative technologies.

THE DURABILITY OF A STEEL COASTER

Vekoma Rides is known for delivering high quality, safety and reliability. Therefore, upgrading a wood coaster to its full potential fits perfectly into our vision. With Topper Track and IBOX Tracks there are options to combine the advantages of a steel coaster while maintaining the aesthetic of a wood coaster. Both are superior solutions to traditional wood tracks requiring **less on-site construction** than other pre-manufactured tracks. It is unique that these tracks come with a **5 year warranty**, greatly **reduced maintenance costs** and provide a **smooth** state of the art attraction.

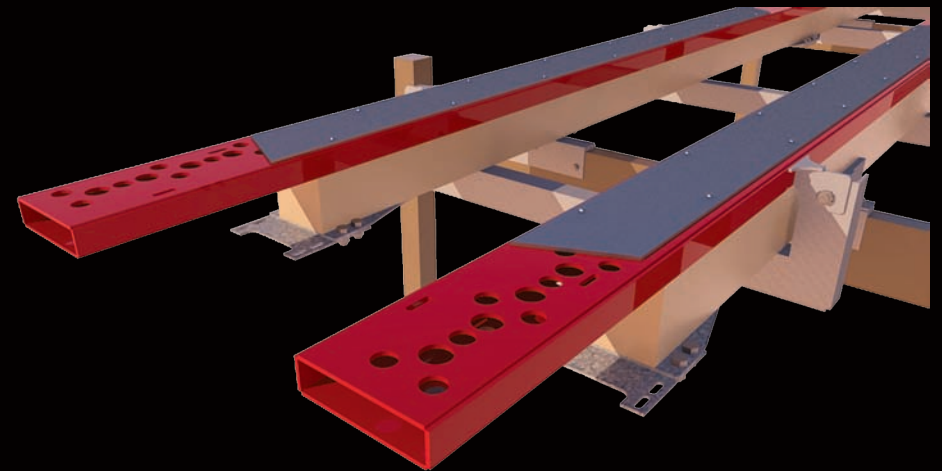
Unique new coaster

The IBOX track and Topper Track are perfect solutions for adding more excitement to your new (customized) wood coaster. The steel track allows for new and more exhilarating features, never before seen on a wooden roller coaster. Steeper drops, overbanked turns, barrel rolls and a much smoother wood coaster experience are now within reach, while maintaining the nostalgic feeling of the wood roller coaster.

ABOUT THE TOPPER TRACK

- Track is filled with our non-shrink design mix to preserve the real wood coaster sound.
- Substantial steel cross ties between ledgers keep the track to gauge on plane not allowing the wood stack to roll.
- Eliminates the need for bending steel on site. Can be installed much faster than traditional wood track.
- Track is built to the precisely engineered measurements to tolerances that cannot be done for traditional wood track built in the field, thus creating a smoother ride.
- Because of the wood in the Topper Track the coaster maintains the looks of a wood coaster.

TOPPER TRACK VISUALIZATION





PROFILING & TRACK UPGRADES

UPGRADE SECTIONS OR THE ENTIRE TRACK

These new potentials for wood coasters improve the thrill of your ride, creating an entirely new experience for your guests by combining the aesthetic of a wood coaster with the features of a steel track.

THE BEST OF TWO WORLDS

Upgrade sections of your track

With the Topper Track there is a great solution for the high load areas in a wood coaster. This solution significantly reduces your short and long term maintenance costs. No more rebuilding those curved areas on your track every 1-2 years. The upgraded sections of your coaster will fit perfectly into your existing track.

Full track upgrade

The Topper Track and all steel IBOX Track are perfect solutions for a full length track on an existing wood coaster. The track will be virtually maintenance free. Long term savings can be achieved through the significantly reduced maintenance costs and the reduced liability in operating a smoother track. When opting for a full track upgrade, it is possible to completely redesign your old wood coaster and put in new elements like steeper hills, barrel rolls and other inverted features.

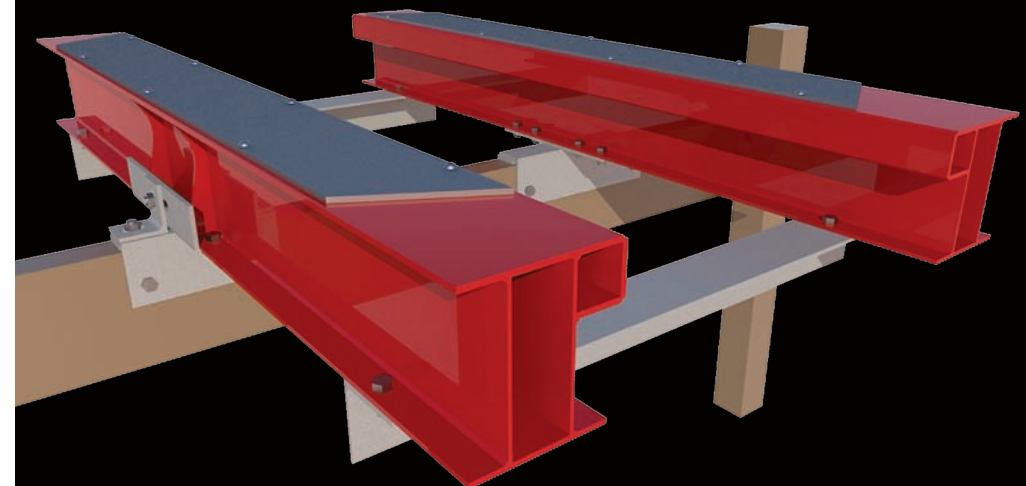
Life cycle cost savings analysis

	TRADITIONAL WOOD COASTER	RMC COASTER
Daily Maintenance	Typically would require 4-5 fulltime staff carpenters to inspect and maintain track	Cut carpenter staff by at least 50%
Yearly Track Rebuilds	Average partial track rebuild costs \$250,000	None needed
Structure	Coaster structure moves and thus fatigues at a higher rate, creating more labor and material use	Structure repair and maintenance is reduced by at least 50%
Continuous track gauging	Ongoing, often having to install kickers	Not needed
Liability	Rough ride causes an increase in potential liability issue	Smooth ride reduces chances of liability issues significantly
Ride Downtime	Frequent daily repairs during season cause downtime	No down time due to track repairs

ABOUT THE IBOX TRACK

- The coaster will ride and sound like a steel coaster, while preserving the design of a wood coaster.
- Retrofit your existing ride into a new state of the art attraction.
- Better risk management as the ride is smooth and structure is stronger than a traditional wood track.
- Track provides less fatigue on structure compared to traditional wood track.
- The New Texas Giant (Six Flags Over Texas) is the first roller coaster with the IBOX technique.

IBOX TRACK VISUALIZATION



NEW TRAINS

SHOCK ABSORBERS



The original steel tracks can handle your existing train; however the new trains are high quality products, designed and manufactured according to the latest standards.

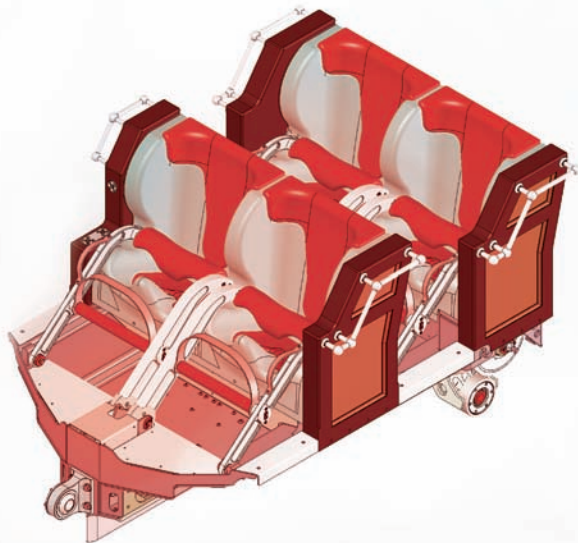
SILKY SMOOTH TRAINS

New trains

The trains are equipped with new and improved shock absorbers, which guarantee an even smoother and more comfortable ride. The Topper Track and IBOX Track both accommodate trains with steel or polyurethane wheels. Also, we pay special attention to feedback from our customers, making the ride more maintenance friendly, resulting in lower maintenance costs.

Custom design

Trains can be custom designed to make your coaster even more unique.



PARTS & SERVICES

SERVICE & QUALITY



Vekoma Rides has all disciplines in-house, from research to production. Our customers are served personally by knowledgeable and qualified staff providing advice, implementation and execution as well as after-sales support.

WELL DONE IS BETTER THAN WELL SAID

Safety is our top priority. Vekoma Rides controls the quality and safety of the design, production and installation processes of all its rides. Critical components are made to be traceable from parent material through finished part and meet the highest quality demands according to the relevant standards.

Service

We can provide our customers with a complete package offering:

- site surveys
- design & engineering
- fabrication
- supervision, testing & commissioning

In addition to this, we can offer the complete installation of new track or entire coaster.

Quality Assurance and Certification

Vekoma Rides is certified according to the international standard ISO 9001:2008 by Lloyd's Register Quality Assurance. This standard provides requirements for a Quality Management System that assists Vekoma Rides in improving all processes continuously to meet the requirements of all interested parties. The Quality Management System based on ISO 9001:2008 consists of procedures and instructions for all relevant processes within the organization, starting at acquisition and tendering and ending at after sales service. To maintain the Quality Management System external and internal audits are executed periodically. External audits are executed by an auditor of Lloyd's Register Quality Assurance.

5 YEAR WARRANTY

We ensure that both the Topper Track and the IBOX Track are high quality, and to prove we are right these tracks come with 5 year warranty.





For more information please contact our corporate offices in the Netherlands. For our worldwide representatives and partners, please visit our website at www.vekoma.com

FURTHER INFORMATION

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Partnership

Rocky Mountain Construction and Vekoma Rides combine their expertise in the Topper Track, IBOX Track, wood and steel coaster technologies.



T U R N I N G Y O U R W O R L D A R O U N D



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