

SKY IS THE LIMIT.

MAGAZINE

by ART Engineering

GRAND OPENING

FLOWER CAROUSEL

WILD SWING

DARK RIDE

COMPANY HISTORY

FROM 2003 TO TODAY

PRODUCTS

ROLLER COASTERS

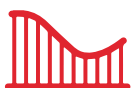
DARK RIDES

CAROUSELS

WATER RIDES

RETROFIT

CONVERSION TO NEW LSM LAUNCH



ROLLER COASTERS



DARK RIDES



CAROUSELS



WATER RIDES

FOREWORD

Welcome to our first issue of the magazine „SKY IS THE LIMIT“.

Dear readers,

We are pleased to present you with the second issue of our magazine „SKY IS THE LIMIT“.

Our aim with this magazine is to introduce you to our new products and the product range of ART Engineering GmbH.

In the area of „amusement park rides“, we were able to deliver our novel „Wild Swing“ to two European amusement parks in 2022, in addition to a Dark Ride and a Flower Carousel. We also retrofitted an existing Launch Coaster with new, state-of-the-art drive technology and controls.

In the area of „special constructions“, we developed a new type of aircraft tractor for the Mototok company. Furthermore, we have developed and built a space-saving „parking tower“ with capacity for a total of 9 vehicles. We also completed three shore power systems which supply passenger and container ships with electricity at port.

We hope you enjoy reading this brochure and getting to know our wide range of products.

Yours sincerely

Georg Behringer & Oliver Pierling



Georg Behringer (left) & Oliver Pierling (right)

OUR IMAGEFILM



TABLE OF CONTENT

FOREWORD	02
COMPANY HISTORY: FROM 2003 TO TODAY	04
GRAND OPENINGS.....	05
ATTRACTION: KIDDIE COASTER.....	08
ATTRACTION: FAMILY COASTER	09
ATTRACTION: FAMILY LAUNCH COASTER	10/11
ATTRACTION: INTERACTIVE COASTER	12
ATTRACTION: MEGA COASTER	13
ATTRACTION: WATER RIDES	14/15
ATTRACTION: DARK RIDES.....	16/17
ATTRACTION: FLOWER CAROUSEL	18/19
ATTRACTION: WILD SWING	20/21
NOVELTY: FAMILY WOODEN COASTER.....	22/23
NOVELTY: SEESAW TWISTER	24/25
SPECIALS: MOTOTOK	26
SPECIALS: PARKING TOWER.....	26
SPECIALS: HORSE TRAINER.....	27
SPECIALS: CONTINENTAL.....	27
SPECIAL & ARTS: MAN & WOMAN	27


 NEW

COMPANY HISTORY

The company was founded in 2003. Out of a basement room of a family house, the first orders were processed in the field of „engineering and project management“ for amusement park attractions and special constructions. However, at that time it was not our plan to establish ART Engineering as a manufacturer of attractions in the market.

Yet, due to our good contacts, which we had already established in the amusement park sector since 1992, it was not long before we had our first installation in the „Wild- und Freizeitpark Klotten“, where we put our „Flower Carousel“ into operation in 2007. In 2011, our first Junior Coaster was opened in Lagoon / Utah, USA.

In parallel, engineering and the construction of special designs became increasingly important as a second mainstay. In 2008, for example, we were able to realize our impressive sculpture „Man & Woman“ and in 2012 we signed the largest order to date with Continental for a fully automated tire testing facility.

Word of our convincing quality and good price-performance ratio continued to spread. In the years 2014 – 2016, three facilities were built that brought our company further forward:

- the interactive coaster „Wonder Mountains Guardian“ in Canadas Wonderland / Canada, with a vertical drop of over 9m,
- the mega coaster „Cannibal“ in Lagoon Park Utah/ USA with a 60m high vertical lift and the new ride element „Lagoon Roll“;
- the interactive dark ride „Beary Tales“ for Knotts Berry Farm / CA / USA.

SKY IS THE LIMIT.

This series of attractions and especially the latter „Dark Ride“ ended in the development and commissioning of the first „Ninjago Dark Ride“ for Legoland California / USA, of which (as of today) 8 identical rides have already been sold and successfully commissioned worldwide.

Since 2016, we have also placed several roller coasters from our „Kiddy Coaster“, „Family Coaster“ and „Family Launch Coaster“ portfolio on the market.

The special feature of this type of ride is that, depending on the design of the ride, it can be ridden by children as young as 90cm (TÜV approved).

The steadily growing demand naturally brought new challenges and growth. Our company has expanded from the basement room, to offices in 2005, to our own office building in 2018.

In 2010, we founded the company ART Product GmbH, which has since taken over the distribution and handling of projects. Even as the company has grown, we have maintained the personal and specific attention to each project to make each one a success.

Our development is not standing still, as you can see this year. In 2022, two parks have received our new „Wild Swing“. A swing without rollover, for the whole family.

We look forward to realising further projects together with you in the future. We never lose sight of our philosophy „CONVINCTION WITH INNOVATION & QUALITY“.



Headquarter, Kirchzarten / Black Forrest / Germany



Worldwide service by our professional team




WILD SWING

“FANTASIANA ERLEBNISPARK STRAßWALCHEN” & “POTTS PARK”

Our new Wild Swing attraction opened in two European amusement parks this summer. In the German amusement park „Potts Park” in Minden, the attraction can be found in the stone age area with the name „Klippenschleuder”. In the Austrian amusement park „Fantasiana Erlebnispark Straßwalchen”, the new ride was placed at the lake. This novelty with the name „Pendula” replaced the ageing pirate ship in that location.

The „Wild Swing” is our latest development in the carousel area. The gondola, which has 8 individual seats on each side, swings freely and is driven by two electric motors. For full ride comfort, we have used individual foam seats with restraints that are closed from above. This gives all passengers a comfortable seating position.

The new ride is a family attraction without rollover.



The team from Fantasiana Erlebnispark Strasswalchen after the very first ride



Wild Swing at „potts park”, Germany

PRODUCTS

FLOWER CAROUSEL



In the „Traumland auf der Bärenhöhle“ in Sonnenbühl / Germany, the „Flower Carousel in Hedgehog Design“ went into operation in spring 2022. Here, children without age restriction accompanied by an adult can enjoy this beautiful and interactive carousel ride.



DARK RIDE



The interactive dark ride „The Dragons Spell“ opened this summer in the Vietnamese amusement park „Vinpearl Phú Quốc“. The attraction is equipped with our 360° rotating vehicles. The dark ride was delivered in 2020, but could only be built and opened this year due to the coronavirus pandemic.



RETROFIT

CONVERSION FREISCHÜTZ TO A NEW LSM LAUNCH

We upgraded the roller coaster „Freischütz“ in the German amusement park „Bayern Park“ / Reisbach to state-of-the-art technology this spring. The drive was converted to an INTRASYS LSM drive system, the complete control system was renewed and a retractable bridge for the operators was installed in the station to improve work safety. Thanks to the latest technology, the roller coaster now runs more efficiently and can also run two laps in a single ride cycle.



PRODUCTS



KIDDIE COASTER



We have developed this roller coaster for the youngest among us. Our Kiddie Coaster has also been built several times. Great seating comfort and a perfect riding experience round off this product.



Height: 3 m



Capacity: 500 pph*



Dimension: 15 x 31 m



Length: 67 m



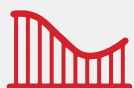
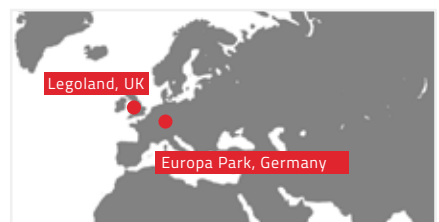
Height restriction: from 90 cm



Max speed.: 22 Km/h



DIFFERENT LAYOUTS AVAILABLE



ROLLER COASTERS



DARK RIDES



CAROUSELS



WATER RIDES

PRODUCTS



FAMILY COASTER

Our classic among the roller coasters, already successfully built several times. With chain or friction wheel lift and great ride elements, this roller coaster is sure to thrill the whole family. Due to the low FRP shell, children over 90 cm have a good view from every seat and can enjoy the ride immensely.



Height: 9 m



Capacity: 600 pph*



Dimension: 43 x 75 m



Length: 200 m



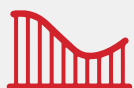
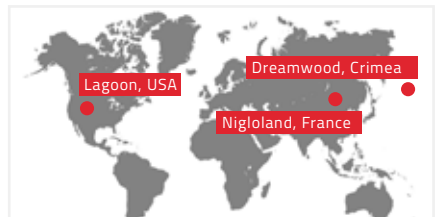
Height restriction: from 90 cm



Max speed: 45 Km/h



DIFFERENT LAYOUTS AVAILABLE



ROLLER COASTERS



DARK RIDES



CAROUSELS



WATER RIDES

PRODUCTS



WATCH VIDEO

FAMILY LAUNCH COASTER


This new development in the Family Coaster segment celebrates its premiere in 2021. Different launch sections and track elements make this roller coaster a unique ride experience and that for adults as well as children from 90 cm.


 Height: 12 m

 Capacity: 480 pph*

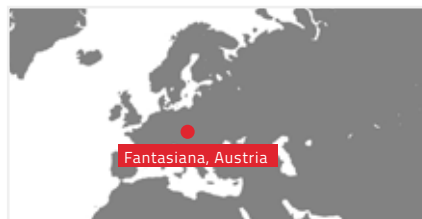
 Dimension: 56 x 70 m

 Length: 245m

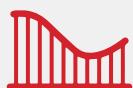
 Height restriction: from 90 cm

 Max speed: 50 Km/h


DIFFERENT LAYOUTS AVAILABLE



Fantasia, Austria



ROLLER COASTERS



DARK RIDES

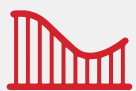
AR
engineering T GmbH



CAROUSELS



WATER RIDES



ROLLER COASTERS



DARK RIDES



CAROUSELS



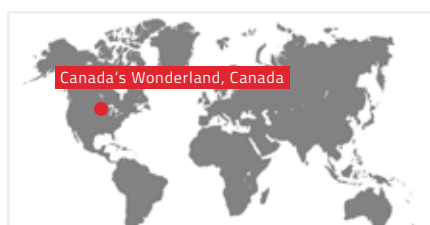
WATER RIDES

PRODUCTS



INTERACTIVE COASTER

Our Interactive Roller Coaster has a lot to offer. Wild ride elements, vertical lift, vertical drop and, of course, slow ride sections with spinning gondolas and interactive elements are integrated into the roller coaster. Fun guaranteed.



Height: 14 m

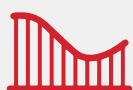
Capacity: 640 pph*

Dimension: 68 x 72 m

Length: 281 m

Height restriction: from 106 cm

Max speed.: 43 Km/h



ROLLER COASTERS



DARK RIDES

AR
engineering T
GmbH



CAROUSELS



WATER RIDES

PRODUCTS



WATCH VIDEO

MEGA COASTER

This Mega Coaster with vertical lift, speeds over 100 km/h, a drop of more than 110°, a „Dive Loop“, an „Immelmann Loop“ and the „Lagoon Roll“ as well as single cars with 12 seats and a capacity of 1200 persons per hour, is an absolute roller coaster highlight.



Height: 60 m



Capacity: 1200 pph*



Dimension: 60 x 107 m



Length: 841 m



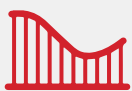
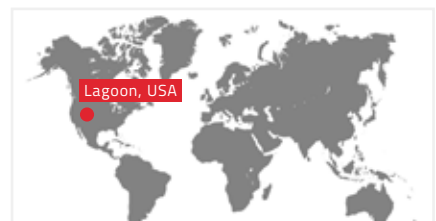
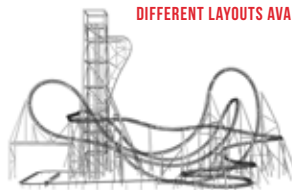
Height restriction: from 130 cm



Max speed.: 115 Km/h



DIFFERENT LAYOUTS AVAILABLE



ROLLER COASTERS



DARK RIDES



CAROUSELS



WATER RIDES

PRODUCTS



WATCH VIDEO

WATER RIDES

Water attractions are always very popular. The modern rafting boats meet all standards. Our space-saving vertical lift is an eye-catcher and an exciting ride element at the same time.



Height: 19 m



Capacity: 975pph*



Dimension: 29 x 57 m



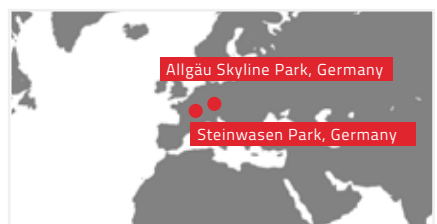
Lenght: 217 m



Height restriction: from 100 cm

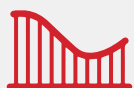


Max speed.: 18 Km/h



Allgäu Skyline Park, Germany

Steinwasen Park, Germany



ROLLER COASTERS



DARK RIDES

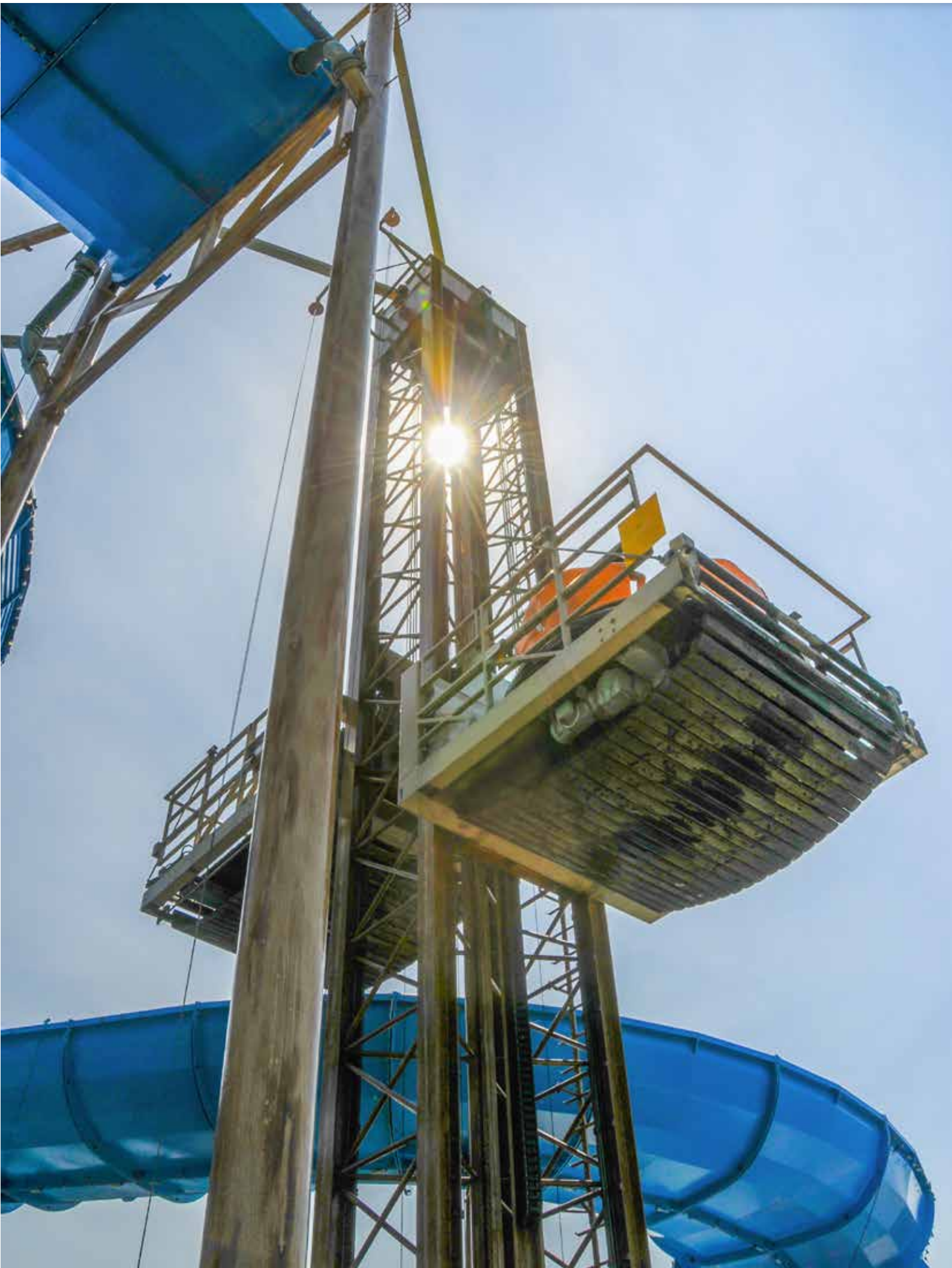
AR
engineering T GmbH



CAROUSELS



WATER RIDES



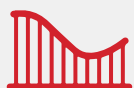
PRODUCTS



DARK RIDES



Our rail-bound Dark Rides are available as 4- or 6-seater vehicles as well as in different versions. The classic version with fixed upper part, 360° endless rotating upper part & the motion based version with leaning and tilting features. All vehicles can ride with a speed up to 1,5meters / second.



ROLLER COASTERS



DARK RIDES

AR
engineering GmbH



CAROUSELS



WATER RIDES



PRODUCTS



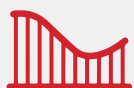
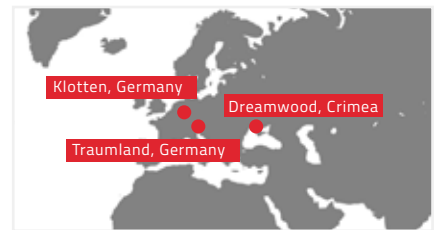
WATCH VIDEO

FLOWER CAROUSEL

Our wonderful interactive children's carousel is a great attraction, especially for very young children. This beautifully themed ride is available in 2 different designs. Using a watering can attached to the side of the gondolas, passengers can aim the water jet at the flower targets in the center.



Capacity: 360 pph* Height restriction: -/- Diameter: 9,2 m



ROLLER COASTERS



DARK RIDES

AR
engineering T GmbH



CAROUSELS



WATER RIDES



PRODUCTS

OPENING



WATCH VIDEO

WILD SWING

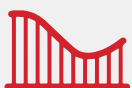
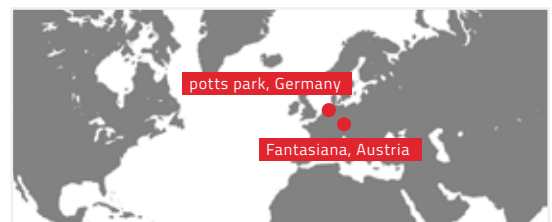
The „Wild Swing“ is our latest development in the carousel area. The gondola, which has 8 individual seats on each side, swings freely and is driven by two electric motors. For full ride comfort, we have used individual foam seats with restraints that are closed from above. This gives all passengers a comfortable seating position. The new ride is a family attraction without rollover.



Capacity: 500 pph*



Dimension: 11x6 m



ROLLER COASTERS



DARK RIDES

AR
engineering
T GmbH



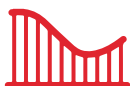
CAROUSELS



WATER RIDES



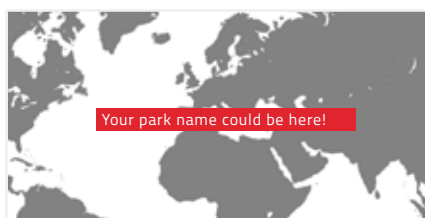
NOVELTY



FAMILY WOODEN COASTER

This novelty, which we developed together with „Great Coasters International“ (GCI) , requires much less maintenance than traditional wooden coasters due to its metal track. At the same time, this roller coaster can be approved for children from 90 cm. An absolute eye-catcher in your park.

NEW



Height: 9 m

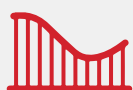
Capacity: 580 pph*

Dimension: 32 x 43 m

Length: 190 m

Height restriction: from 90 cm

Max speed.: 45 Km/h



ROLLER COASTERS



DARK RIDES

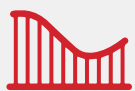
AR
engineering T GmbH



CAROUSELS



WATER RIDES



ROLLER COASTERS



DARK RIDES



CAROUSELS



WATER RIDES

NOVELTY

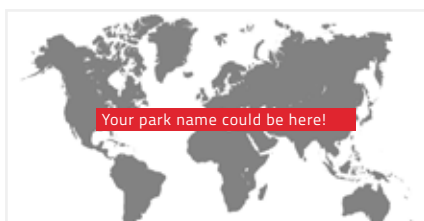


SEESAW TWISTER



Do you want to install something unique and a world's first in your park? With our Seesaw Twister you are in exactly the right place. This ride, designed for children from 90 cm combines, with simple technology, the movements „seesaw“, „turning“ and „freefall“.

NEW



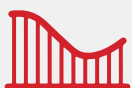
Capacity: 320 pph*



Height restriction: from 90 cm



Dimension: 3,5 x 12,5 m



ROLLER COASTERS



DARK RIDES

AR
engineering T GmbH



CAROUSELS



WATER RIDES



SPECIALS



MOTOTOK

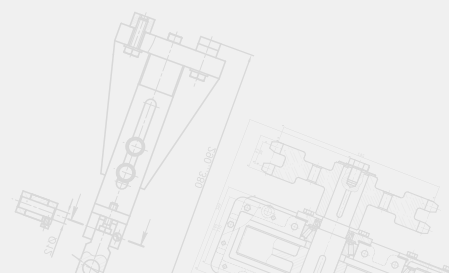
The electrically powered aircraft tugs can be found all over the world. From helicopters to large passenger

aircraft, these tugs are equipped with remote control for very efficient emission-free use.



PARKING TOWER

ART Engineering developed and produced an innovative Parking Tower for Pathway Automatic Parking Co., Ltd. (patents pending). The tower can accommodate up to 9 vehicles that can be parked automatically in a very space-efficient manner. This compact parking system is not only interesting for built-up cities, but also for theme parks.



SPECIALS



WATCH VIDEO

HORSE TRAINER

The horse trainer was built for an English stud farm. The system is built like an electric „suspended coaster“. The system allows the targeted, scientifically supervised training of young animals and also considerably reduces the risk of injury.

A truly unique project!



WATCH VIDEO

CONTINENTAL

We also used roller coaster technology for the tire test facility for the German tire manufacturer Continental. A real automobile, which is guided on a vertically mounted rail, is accelerated with INTRASYS linear motors and automatic braked to a full stop after reaching the maximum speed. The results from the test facility are an important input for tire development.

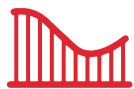
SPECIAL & ARTS

MAN & WOMAN

Again and again we receive inquiries for special solutions from the fields of mechanical engineering and the arts. Various projects have been implemented in recent years for which there was often only an idea at the start. The picture shows the sculpture „Man & Woman“. The height of the sculpture is about 9m. Each figure weighs approx. 8 tonnes and is mounted on a rotating outrigger, so that the figures can move together unite and separate. (A never ending story between love separation based on the idea from the Artist Tamara Kvesitadze)



WATCH VIDEO



ROLLER COASTERS



DARK RIDES



CAROUSELS



WATER RIDES

*The ART of
innovative engineering*

ART Engineering GmbH

Am Fischerrain 5
79199 Kirchzarten / Black Forest
Germany

Phone: +49 (0) 7661 / 903 39 - 0

E-Mail: info@artengineering.de

Sales Europe

Sascha Budde

Phone: +49 172 2002502

E-Mail: Sascha.budde@artengineering.de



SCAN ME

www.artengineering.de

Do you already know our social media
channels? Then visit us on Facebook,
Instagram and LinkedIn