

**KUBICEK
BALLOONS**



**FLY
KUBICEK**

KUBICEKBALLOONS.COM

WE ARE KUBICEK BALLOONS,

A MANUFACTURING COMPANY
WITH 30 YEARS OF TRADITION.

**We are not just a bunch
of ballooning enthusiasts,
we are a team of experienced
professionals with unique,
time-tested know-how.**

We stand behind our good name, which we have built thanks to our customers and dealer network, creating a solid reputation that extends worldwide. We are proud that nearly 2000 balloons from our factory in the Czech Republic are flying in almost every corner of our planet.



MISSION



We wish to be **the best balloon factory** and to serve to the **widest group of satisfied customers** all over the world. Our intention is **to continue technical innovations** that result from operators' real needs, and to develop the company's sustainability. It is essential for us to improve in everything we do, and yet still stay the same people you know and love.

EXPERIENCE



Kubicek Balloon's depth of experience is vast having built systems for use in all parts of the world. **Over 1,900 balloons have been sold.** Size range is from 900 m³ (31) to 18 400 m³ (650). Current annual production is over 130 balloons a year.

KUBICEK BALLOONS



EVERYTHING "IN HOUSE"

Kubicek has an innovative design and engineering team that offers the complete balloon system made "in house". **The envelopes and even the fabric, baskets, burners and cylinders made by Kubicek give you the best performance and compatibility in the market.**

Our envelopes lift a great deal of weight for the envelope volume. We are primarily responsible for the popularity of the basket door because of its reasonable pricing and design. Our basket doors are quick and easy to operate yet safe and secure in flight. You will readily see that the fit and finish on all Kubicek Balloons is second to none.



EASA APPROVALS

Kubicek has an EASA Type Certificate for all its models. This means that they will come with a Standard Airworthiness certificate and registration, Special shapes included.

↓ INNOVATIONS BASED ON THE MARKET FEEDBACK



KUBICEK SPECS



→
**FLEXIBILITY,
COOPERATION –
OUR ANSWER IS
YES**

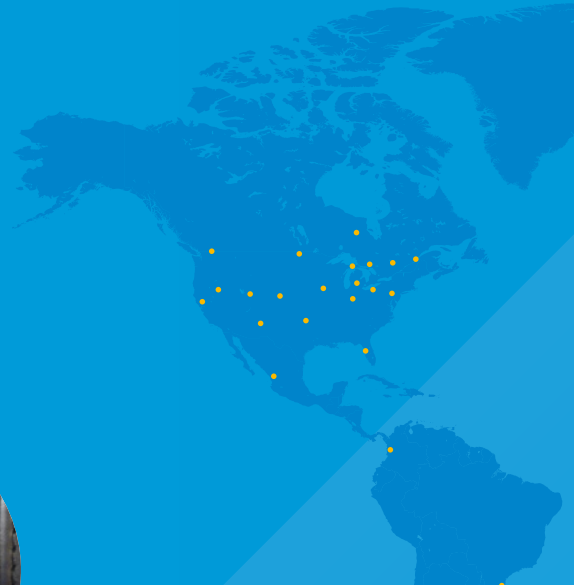
Kubicek has been always working closely to their clients. We listen carefully to the customer's needs and ideas which are constantly implemented into the design. This makes our products innovative, modern and on the leading edge of the technology.

**Do you want to realize your dreams?
Come Work with Kubicek!**



ATTENTION TO THE DETAIL AND OVERALL QUALITY

Kubicek clients always recognize the highest level of craftsmanship of all parts of the balloon. Every piece is designed and fabricated to the last small detail. Kubicek pays attention to not only high added value of the equipment but also to overall design and quality.



↗ **DEALERS NETWORK**

Kubicek has a worldwide dealer's network. Please call your local partner for your questions. Dealers are ready to help you with the right product selection, sale, delivery and registration. You will always get a ready-to-fly balloon. The dealer will also provide you with a solid after-sales care. If there is not a dealer in your country, please feel free to contact the factory and we will be happy to help you.

HOT-LINE

+420 731 507 641 / SERVICE@KUBICEKFACTORY.COM

“IF YOU HAVE A QUESTION WHETHER WE CAN MAKE IT, THE ANSWER IS ALWAYS YES. THEN WE WILL FIGURE OUT HOW TO DO IT.”

This is how we work at Kubicek. If our wide selection of customer choices is not wide enough, we are always ready to modify the products according to the client's specifications and adopt it to their specific operation. Do you need a special modification of your balloon or special conditions of the delivery? Do not hesitate to contact us. Kubicek always finds the solution in the cooperation with the client. Thanks to our own fabric mill Kubicek is ready to modify even the design of the fabric.



AFTERSALES CARE, SERVICE HOT LINE

After-sales care is second to none. Kubicek factory team is always ready to help you wherever in the world you may be. They always carefully listen to you, the client. They are fast in replies and believe there is "always a solution" as one of the highest values of the company.

Do you have any questions regarding your balloon's maintenance or service?

DO NOT HESITATE TO CALL ONDŘEJ. HE CAN ALWAYS HELP YOU.

DELIVERY ON TIME

Kubicek can deliver the balloon directly to the client. The average delivery time is less than 10–12 weeks (sometimes bit more due to high demand caused by overall popularity of the brand). Kubicek does not make unrealistic promises about delivery times. What is promised is always kept.

REASONABLE PRICING, CURRENCY

Kubicek's prices are very reasonable compared to other manufacturers. We keep spare parts prices on their minimum. We can work with most of the main world's currencies like EUR, USD, GBP, AUD and many others.

KUBICEK SPECIAL SERVICES

ONLINE SERVICES

We respond flexibly and responsibly to the demands of the market and our customers, which is why we have moved some of our services into the online world:

↓

SPARE PARTS CATALOGUE

Need of a spare part? The fastest and most convenient way on the market of getting spare parts for Kubicek burners, envelopes, baskets, fuel cylinders and fans.

You can find more information on parts.kubicekballoons.com.



↓

KUBICEK BALLOONS SHOP

Want to bring bit of Kubicek to your home? E-shop with quality clothes and accessories branded by Kubicek Balloons.

You can find more information on shop.kubicekballoons.com.

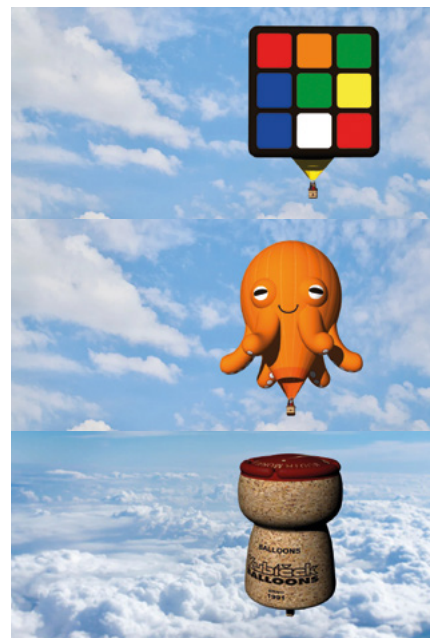


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SPECIAL SHAPES SHOP

Do you want a special shape balloon but lack ideas? You can get inspired and order the right one for you on our e-shop.

You can find more information on specialshapeshop.com.





KUBICEK FAMILY

WE ALWAYS STAND BEHIND YOU, KUBICEK COMMUNITY

Kubicek is known as brand that always stands behind its customers. Kubicek clients are seen literally as members of the Kubicek family. You are always welcomed to contact us with any request or question. It is quite common for our clients become friends with the factory staff and with each other. They share their flight experience on social networks and on the launch fields all over the world.

WHEN WE SAY TO A NEW CLIENT "WELCOME TO THE FAMILY" WE TRULY MEAN IT.

DTO PILOT SCHOOL ALL IN ONE PLACE

We provide comprehensive training to all those interested in obtaining a pilot license for hot air balloons. We are DTO approved, and students can train with us for individual and commercial flights in all categories including night flights and instructors. We teach new pilots as well as we provide currency training for existing ones, including extending instructor qualifications.

What our students appreciate most is that they have everything in one place – the facilities at Balloon Castle in Radešín include classrooms, launch field with 360° flyability, propane station, and full-board accommodation for both pilots and their families. On-site balloon rental and the provision of a chase truck with a driver is of course available. Simply said all you need is arranged with us so you can be fully focused on your training!

For more information, visit balonovyzamek.cz.

ENVELOPE FABRIC

Kubicek is the only manufacturer in the world who makes its own fabric.

When we began making balloon fabric, we chose to make polyester because of its **long life, higher heat capabilities** and its **resistance to moisture degradation**.

Kubicek has its own balloon experienced fabric development team which **constantly improves the fabric characteristics and features**.

KUBICEK POLYESTER FABRIC NEXT GENERATION

Kubicek recently introduced the new generation of its polyester fabric which improves the fabric performance in many ways.

KUBICEK POLYESTER

Resistance against tears was increased three times, packing is much easier due to its "soft touch" than used to be and the new coating with significantly decreased porosity is practically inseparable from the fabric. This reduces fuel consumption especially at later stages of the envelope service time.

Due to the that not many chemicals are used in the production, the new coating is ecological and environmentally friendly.

And what is more – Kubicek offers the widest colour range on the market.



POLYESTER LIFETIME

Many users proved that the polyester ripstop fabric lifetime is second to none. Envelopes made of the polyester fabric easily reaches 800 to 1 000 hours of flight time with no top panel replacement. No "heavy nylon fabric on top" is needed on Kubicek envelopes to extend the life of the balloon! saving envelope weight and lowers envelope price.

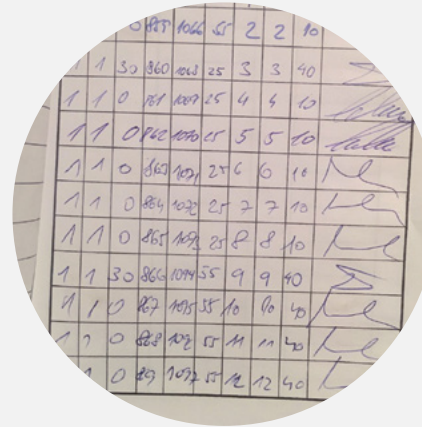
Balloon Logbook / 1039 hours



POLYESTER ADVANTAGES

High temperature resistance

The fabric exposed to higher temperatures degrades very slowly, so you don't need to worry about shortened life when overheated!



Balloon Logbook / 1097 hours

Moisture resistance

There is no concern with packing wet balloon. Polyester will not mildew or develop a rank odor when packed away wet. However, it is good practice to open bag and let the balloon air out within a few days.

Balloon Logbook / 1000 hours



Repels dust and dirt

Does not attract dust and dirt every time your envelope comes into contact with sandy or dusty ground.

Colour stability →

Colours stay bright and shiny during the balloon's lifetime. Colour bleeding is non existent.

One is brand new, the other has over 400 hours. Can you say which is which?

First-class quality

We have absolute control over the entire production. We know everything about the quality of the fabric, which we oversee from the very first fibre through to the ready-to-use fabric. You can therefore rely on a constant and high level of quality – there are no good and bad years of Kubicek fabric. Just the good ones.



KUBICEK POLYESTER LIGHT

For you who don't fly daily you may find **Kubicek Polyester Light** great for your purposes. It weighs only 45 g/m³ (1.3 oz) resulting in the weight of the envelope decrease by 25–30% compared to Kubicek Polyester fabric. Furthermore, it is VERY easy to handle, has a good use for special shapes.

Envelope made of the Kubicek Polyester Light fabric easily reaches 400 to 500 hours. All advantages of Kubicek Polyester including the maximum envelope temperature remain.

Envelope size	Estimated envelope weight	
	Kubicek Polyester	Kubicek Polyester Light
BB20E (70)	80 kg (176 lb)	60 kg (132 lb)
BB26E (90)	100 kg (220 lb)	75 kg (165 lb)
BB30Z (105)	125 kg (275 lb)	93kg (205 lb)



HEAVY NYLON FABRIC

Kubicek offers the best quality **Hyperlast fabric** made by Dunlop Coated Textiles (formerly Coating Applications), England.

However, if you don't often land in rocky desert or rough terrain then you don't need to consider the Hyperlast fabric at all. You can get the same or better long-life material using the Kubicek Polyester. Your envelope will be lighter while saving money without the Hyperlast surcharge.

Envelope size	Estimated envelope weight	
	Kubicek Polyester	Hyperlast
BB85Z (300)	275 kg (606 lb)	333kg (734 lb)
BB105P (305)	305 kg (672 lb)	369 kg (814 lb)
BB120P (425)	320 kg (705 lb)	387kg (853 lb)

DUNLOP 
COATED TEXTILES



Is polyester fabric heavy?

Polyester fabric is a bit heavier than typical nylon fabric (by few grams per square meter). On a 4000 m³ (140) envelope the weight difference would be around 5kg (10 lb). The benefit is that you do not need any "heavy nylon fabric", which increases the 4000 m³ (140) envelope weight by more than 10 kg (20 lb).

Lifetime of Polyester envelope and "heavy nylon fabric" envelope is comparable (can last in excess of 1000 hours) with several benefits of polyester envelope - lighter, more cost effective and no colour difference between heavy nylon fabric top and bottom part of the envelope.

POLYESTER MYTHS



Is nylon fabric stronger than polyester?

Indeed. But only when the envelope is brand new. Nylon fabric degrades a lot faster so a couple of hundred hours later the polyester becomes stronger. The real question is not which fabric is stronger but how many hours you can fly before you reach the minimum fabric strength limit (so called grab test) - and polyester provides many more hours!

Why 124 °C limit?

Due to high fuel consumption which appears with higher envelope temperature. Kubicek Polyester can simply take 150 °C with no structure issue or ruining the envelope lifetime. But lack of fuel can be real issue.

Why other manufacturers do not use polyester fabric?

Some of them would like to but they cannot buy it on the open market, and Kubicek is the only one with own fabric mill.

ENVELOPE SPECS

Kubicek offers envelopes for leisure balloonists, competition pilots, adventure seekers or commercial operators. Size range covers 900 m³ (31) – 18 400 m³ (650) in several series.

E AND EF SERIES

for private
easy flying

Z SERIES

for corporate
and ride flying

P SERIES

the largest
passenger
balloons

XR SERIES

for potential
championship
winners

SUPER SPORT

You may not
win World
Championship,
but you will enjoy
the feeling of
the competition
flight pack of your
friends.

RACERS

Kubicek also makes Racing and Super sport envelopes from 1 450 m³ (51) up to 3 000 m³ (105). These high-performance models are designed to be ultra-responsive remain stable and tight in very high vertical speeds.

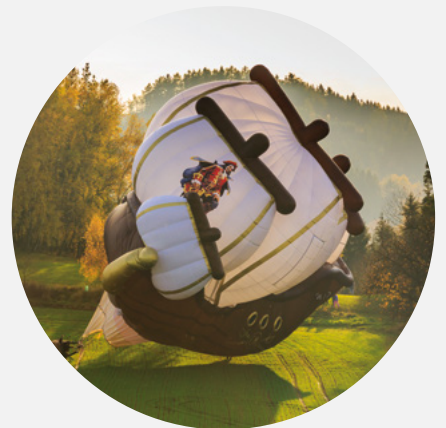
We have recently redesigned the racer shape that minimizes the shape distortion during high-speed descents, while improving the overall operation.





↳ SPECIAL SHAPES

Kubicek's team of designers can build even very complex shapes where the only limitation is your imagination and volume of the hot air. We highly recommend building the shapes using the Kubicek Polyester Light fabric – the envelope is much lighter and the packing is not an issue anymore.





FAST DEFLATION SYSTEM AND ROTATION VENTS

Kubicek fast deflation system Slide Vent is known for its easiness of the use. Especially (but not only) for Australia clients the system can be modified into three-line system commonly known as "Lite Vent". The Slide Vent is unrivalled in safety, comfort, and price.

Kubicek dual rotation vents are remarkable in their responsiveness. **Speed of the rotation can be doubled when 2 windows are used instead of 1.**

↑ DIGITAL PRINT

Special digital printing technology is able literally colour the yarns in the weave with an image.

Kubicek printing technology is known for brightness of the colours and high resolution which brings unequalled realism to the image. This kind of reproduction does not crack or peel. In fact, the image is just as visible on the inside of the balloon as the outside. Glowing a balloon is as bright and clean as it gets.

THE ENVELOPE BASE PRICE INCLUDES

Each envelope includes carabiners, full nomex mouth, nomex scoop, custom build operation ropes with nomex cover, deflation system, crown line, registration number sewn on and the bag for documents.

Envelopes 3700 m³ (130) and larger include the fast deflation system Slide Vent and dual rotators in the base price.



KUBICEK PASSANGER BALLOONS FLY WORLDWIDE

– from Australia to the USA
– from Canada to South Africa

↓ ENVELOPE RANGE

↑ DIAGONAL PATTERN

Our special diagonal cut (chevron) design allows to build great colourful exhibitions on the envelopes.



↗ RIPSTOP NOMEX

All standard features of nomex remained.
Tear strength increased 2.5 times in comparison to standard nomex without the rip-stop structure.

Also, the rip-stop nomex fibre is dye resistant – no colour change after contact with the flame.
We offer six available basic colours.

EASY USE OF OTHER MANUFACTURERS BOTTOM END

We can modify the envelope free of charge to fit your current bottom-end. There are no other requirements than knowing the burner frame dimensions and specification of burner, basket and fuel tanks.

Envelope volume		Model						
m ³	cuft	E	EF	Z	P	XR	Super Sport	Diagonal
900	31	+	+					
1200	42	+	+					
1450	51					+		
1600	56	+	+			+		
1700	60					+		
1800	64	+						
2000	70	+				+		+
2200	77	+		+			+	+
2600	90	+		+			+	+
3000	105	+		+			+	+
3400	120	+		+				+
3700	130			+				+
4000	140			+				+
4200	150			+				
4500	160			+				
5100	180			+				
6000	210			+				
6400	225			+				
7000	247			+				
7800	275			+				
8500	300			+				
9200	325			+				
10000	350			+				
10500	370					+		
10600	375					+		
11300	400					+		
12000	425					+		
13000	460					+		
14200	500					+		
15100	520					+		
17000	600					+		
18400	650					+		

Kubicek basket presents a combination of art and craft. They are nothing short of beautiful but also extremely safe and secure. Don't miss the lightweight sport baskets!



BASKET DOOR

Kubicek basket doors are quick and easy to operate yet safe and secure in flight. They have been installed in hundreds of the baskets in every balloon environment. Kubicek is currently building more baskets with door than without. It is a preferred option of almost every private pilots and majority of ride operators. Why? To make their life LOT easier! Kubicek can install door to all basket sizes – from small to the largest ride basket.

↑↑ Check the 4 door design on the TT basket!



CUSTOM BASKET DESIGN

Every balloon operator has his own style and may require a unique basket design. Kubicek provides knowledgeable assistance in adopting the basket accordingly. Baskets can be built to the height required by the customers well. Customize your basket with wide range of custom options - different leather colours, colourful wicker, embroidery on pole covers, and countless other options and choices. You can even select a composite floor in small baskets to save basket weight or a certified seat for disabled passengers! ←

AND PLEASE, IF YOU HAVE A UNIQUE IDEA, PLEASE LET US KNOW.

CHALLENGES OF OUR CUSTOMERS PUSH US FORWARDS.

Kubicek baskets can carry a pilot and 1–33 passengers in every layout you can imagine.

BASKET RANGE



ALL THE MODELS COME
**FULLY
EQUIPPED**
IN “READY TO FLY”
CONFIGURATION.

No extra payments for mandatory equipment such as fire extinguisher, fire blanket, first aid kit, drop line. Even pilot restrain harness is included! ↓

K10S Pilot+1 1.16×0.86	K13S Pilot+1 1.2×1	K13 Pilot+2 1.25×1.16	K14 Pilot+3 1.35×1.16	K17 Pilot+3 1.45×1.16	K19 Pilot+4 1.55×1.16	K19L Pilot+4 1.62×1.16
K22 Pilot+5 1.8×1.25	K23 Pilot+5 1.8×1.25	K25P Pilot+6 2.1×1.25	K28T Pilot+6 2.2×1.6	K28Y Pilot+6 2.2×1.6	K28H Pilot+6 2.35×1.6	
K30PP Pilot+8 2.6×1.25	K32T Pilot+8 2.4×1.6	K32Y Pilot+8 2.4×1.6	K32TT Pilot+8 2.5×1.6	K40Y Pilot+10 2.7×1.6	K40T Pilot+10 2.7×1.6	
K40TTA Pilot+10 2.7×1.6	K50T Pilot+10-12 3×1.6	K50Y Pilot+10-12 3×1.6	K50TT4/TT8 Pilot+12 3×1.6	K50TTA Pilot+12 3×1.6	K55X Pilot+14 3.45×1.6	
K55TTA Pilot+14 3.45×1.6	K58HH Pilot+12 3.8×1.6	K60TT Pilot+12-16 3.8×1.6	K60X Pilot+12-16 3.9×1.6	K65TTA Pilot+16-18 4.1×1.6	K70TT Pilot+16-20 4.4×1.6	
K70TTA Pilot+16-20 4.4×1.6	K80TT Pilot+16-20 4.8×1.6	K85TT Pilot+20-24 5.2×1.6	K90DTT Pilot+24 5.2×1.6	K100DTT Pilot+28 6.1×1.6	K110DTT Pilot+32 6.6×1.6	

K110DTT Basket Model
Pilot+12 Optimal number of occupants
4 Number of passengers in each compartment
6.6×1.6 Size in meters

BURNERS



IGNIS BURNER

Ignis plus burners are very powerful and quiet. They are also ergonomically designed to operate **2, 3 or 4-unit burner** with just one hand. Liquid pilot light as standard, vapour as a free option. Several types of burner jets allow to adjust the burner for different environment conditions and fuel types.

Can't decide from standard colours? We can paint bowls to any colour or print any graphics you want. There are almost no limits to the imagination. Choice is only up to you.

IGNIS VARIO →

The height of the Ignis burner used on baskets from the K10 up to the K22 can be easily adjusted by incorporating a variable height frame. This frame allows the burner to be raised by up to +10 cm (4 inch) or lowered by 4 cm (1.5 inch) from its standard height. Once positioned the lever is released and the burner's height is locked in place until you next want to change it. This is all done quickly on the fly.



← IGNIS GYRO

The Ignis burner with Gyro option allows for gimbaling but returns the burner back to center automatically when released. No more burned scoops and nomex panels due to misoriented burner!

SIRIUS BURNER

SIRIUS BURNERS ARE THE BEST POWER TO WEIGHT RATIO ON THE MARKET.

They are suitable for balloons up to 4 000 m³ (140). The clever design of the parallel Blast Valve and Whisper Valve triggers on one side allow for a one hand "Double Burner" drawing from separate fuel.

The key component of the Sirius burners remains the ergonomic design and trigger actuation. Burner frame allows for smooth, easy articulation and tension is adjustable on the fly. Centre jet is included minimizing any condensation. Ease of maintenance is enhanced by a designed side opening. Parts availability is no issue as most components are compatible with the Ignis Plus Burner. Dual pilot lights and fuel sources are standard for safety and redundancy.





FUEL CYLINDERS

→ WE OFFER FUEL CYLINDERS IN 3 SIZES

QUEEN SIZE

Standard size applicable to every type of the basket.

PRINCE SIZE

Two cylinders instead of three while providing more open space and less weight in the basket.

KING SIZE

The biggest cylinder on the market dedicated to ride operations.



Kubicek's fuel cylinders have fuel gauges with coloured scale, so that pilot can **easily recognise the fuel level**. Quick shut off valves and cylinder covers are included for no extra cost.

The advantage of our fuel cylinders is the bigger usable capacity (+5%) for the same size tank. It is built in Duplex stainless steel. This adds an extra safety level due to robot welding. Another popular option is custom embroidery on the cylinder cover. You can just send your picture/logo and we will customize your fuel cylinders.



	Queen size	Prince size	King size
100% water capacity	72l (19 gal)	85l (22.4 gal)	97l (25.6 gal)
Fuel volume	61.2l (16.2 gal)	72l (19 gal)	82.5l (21.6 gal)
Fuel weight / PROPANE	30 kg (66 lb)	36 kg (79.3 lb)	41 kg (90.4 lb)
Fuel weight / LPG	34 kg (75 lb)	40 kg (88.1 lb)	46 kg (101.4 lb)
Empty weight	20 kg (44 lb)	22 kg (48.5 lb)	24 kg (52.9 lb)
Total weight / PROPANE	50 kg (110.2 lb)	58 kg (127.8 lb)	65 kg (143.3 lb)
Total weight / LPG	54 kg (119 lb)	62 kg (136.6 lb)	70 kg (154.3 lb)

WE ARE KUBICEK FACTORY



↓ COME TO VISIT US!

Come and see how production at Kubicek works! We will show you our factory and team of experts in Brno. The Kubicek factory is the only purpose-built balloon factory in the world. It contains the latest in automatic cutting, coating and testing machines that is unrivalled in the world.

After a tour of the textile mill, you will soon realize that Kubicek is in control of its own destiny as they are the only manufacturer making, testing and improving their balloon specific fabric so that it meets the unique requirements of a hot air balloon. (Lightweight, long lasting, UV resistant, colour fastness, abrasion resistant and reasonably priced). **There is no way to find another fabric supplier that can meet all or most of these needs.**

In the evening we will end our excursion with a joint balloon flight at **Kubicek Castle in Radešín**, where you will test fly our balloons in person. The castle is 800 years old and being renovated by the Kubicek family. It is home to our flight centre and the factory Museum, showing the incredible story of origins of balloon production in Czech Republic. Experience the Kubicek three-part outing, with accommodation in a romantic castle, including great Czech food and drink. **Call us to arrange your trip! We will be delighted to meet you!**

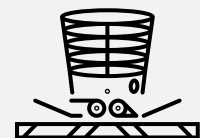
DURING KUBICEK'S 30 YEARS OF EXISTENCE WE HAVE PRODUCED ↓



2000 envelopes



1020 baskets



2100 burner units



**WE ALSO
MANUFACTURE
AIRCRAFTS AND
INFLATABLES**



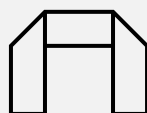
At the Kubicek Factory we produce not only hot air balloons, but also special inflatables, ultralight and LSA aircrafts.

We build products for the air in many different forms – hot air balloons (Kubicek Balloons) soar with air currents, we fill our custom inflatables using air (Kubicek Visionair), we even slice through the air with our airplanes (Kubicek Aircraft).

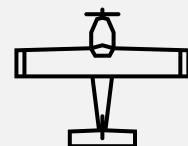
KUBICEK FACTORY IN NUMBERS



1000 fuel tanks



18 600 inflatables



8 airplanes

KUBICEK BALLOONS

FLY KUBICEK / 2021_07 / design KREATURA.CZ

West
Mike Bauwens
(435) 649 -2 517

North West
Allen Anderson
(775) 450 -2217

Desert
Doug Grimes
(505) 84 2-1111

Central North
Brad Craig
(515) 975 -3300

Central South
Wil Lapointe
(918) 850 -2359

Pacific
Jim Marshall
(707) 287-6778

Rocky Mountains
Ken Tadolini
(303) 936-0292

Ohio, Kentucky
Luke Russell
(330) 639-7845

Michigan
Rick Kerber
(616) 262-1155

Wisconsin, Illinois, Indiana
Justin Cox
(317) 753-8910

North Atlantic
Bert Padelt
(610) 845-7857

South Atlantic
Tom Warren
(813) 363-2287

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