# WOODCOMP

ALES KREMEN

# NEW DIRECTION IN AVIATION

www.Woodcomp.cz



#### PRODUCTION

We have 4.500 square meters of our own production facilities and organization, regularly audited and supervised by EASA. All production is handled by us, without external suppliers. We have complete development and technology facilities at our disposal, without the need to cooperate with external parties. Individual production operations are performed on last-generation CNC machinery, using modern technology and the most up-to-date materials.

Our HR policy resulted in stable, highly qualified team of employees. Their experience, professional abilities and personal qualities are the key to the safety and security of our products.





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#### WOODCOMP KŘEMEN

Since 1989, our company has been actively designing, testing, manufacturing, and selling aircraft propellers, and currently, it has 35 employees. Traditionally, majority of production has been for light planes up to 450kg (Czech UL category) and for wind turbines in the past. Currently, the company focuses on GA category. Thanks to its production capacity, broad product range, and most importantly, thanks to top reputation of its UL products, the company became one of top producers of propellers not only in Europe, but worldwide. Approximately 1.500 propellers for aircraft and wind turbines are manufactured each year.



Out company does not use transferred technologies, nor foreign patents. All our products and technologies are the result of our own design and development organization, or of cooperation with renowned Czech design and development experts. This forms the base of our successful designs, progressive manufacturing technologies, and their successful utilization in mass production. Kremen Woodcomp company has long time ago become totally independent in research, manufacturing and technology. We guarantee complete production in our own plant with our full control and supervision.



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Based on our experience with development, manufacturing, and sales of propellers for microlight aircraft, we have developed new line of three-blade, hydraulically adjustable propellers, designated KW.

#### PROPELLER RANGE

We manufacture propellers for: UL, EXPERIMENTAL, Normal category aircraft up to 5.700kg

- Fixed-pitch two-blade propellers
- Fixed-pitch two-blade, wood-composite, suitable for current and historic aircraft. All our fixed-pitch two-blade propellers have EASA type certification
- Composite ground-adjustable multiblade propellers
  Composite in-flight adjustable multiblade propellers,
- mechanically, electrically, or hydraulically controlled Composite aeroelastically-adjustable multiblade propellers "constant speed"
- Propellers for wind turbines \*\*\*













Our test aircraft Extra 330 LC during final testing of **KW range** propeller.

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KW 10 propeller Hydraulically adjustable, for maximum power 310HP at 2700rpm

#### TECHNOLOGY

Competitors have certified their propellers 20 or more years ago; they continue to use outdated technology - e.g. manual application of laminates with repeated grinding and final spraying of lacquer with loose tolerances. Křemen Woodcomp company has developed and is using new technology - vacuum lamination in special molds. This production method achieves tight tolerances (to 1/100-th of mm). Moreover, no lacquer used on modern propellers can withstand the loads which gelcoat withstands. Blade materials used by our company combine beautiful looks with exceptional technical properties. We offer blades with highly resistant and solid surface in carbon design or color finish. This new development has been made possible by advances in materials and technology. Thanks to precise dimensions, resulting blades run without vibrations and resonances.



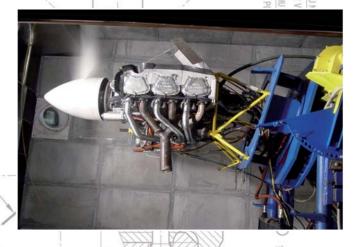
#### SERVICE

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To support the marketing and sale of our products, we created service centers worldwide. Our company currently operates 29 service branches. Their employees have been professionally trained and equipped with technology for adjustment and repair of propellers, as well as with stock of spare parts. This guarantees regular and timely service, or repair, of propellers operated by foreign customers. Thanks to close relations between service branches and our company, we have detailed knowledge of local environment (be it hot or cold climate), and we are also able to react to customers' needs

quickly.		11 11	70	0.5
We guarantee	replacement	of our	prope	ller
worldwide within 14 days.		010	POZ.	
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#### SR 3000 THREE-BLADE PROPELLER

SR 3000 constant speed in-flight adjustable three-blade propeller has become the most popular automatic propeller in the world.



Woodcomp propellers hold several European and World speed and endurance records. Existing experience with production and operation of "small props" led our company to expand its reach also to civil aviation

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## WHY YOU SHOULD USE WOODCOMP KŘEMEN **PROPELLER?**

Modern carbon design

- Higher resistance to damage Longer operating life
- Replaceable metal leading edge protection
- Fair price
- Individual customer approach
- low Individual customer approach
- propeller weight
- ▶ Unique design of KW propellers allows transport to the customer in a small package. This helps to keep transport costs low.



We carefully evaluate the results of our own testing, as well as practical experience with our products; we also study and monitor competitor's products and the history of propeller production in the Czech Republic and worldwide.















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#### WOODCOMP

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Křemen Woodcomp Vodolská 4 250 70 Odolena Voda



Our company is based in the Czech Republic, just outside Prague, the national capital, in the immediate vicinity of Vodochody international airport.

## NEW/DIRECTION IN/AV/ATION

#### WOODCOMP s.r.o.

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