

No end to the fun!



The new Flylight Dragonfly is a perfect illustration of how to combine two market trends within a single product: it is the world's smallest four-stroke trike, and has retractable gear!

For a full list of abbreviations and metric/imperial conversions, see p. 6.

ABBREVIATIONS

EW	Empty weight, kilograms (1kg = 2.20 lb)
WS	Wing span, metres (1m = 3.28ft)
WA	Wing area, square metres (1m ² = 10.8ft ²)
TC	Tank capacity, litres (1 litre = 0.264gal(US), 0.220gal(imp))
Cert	Certification
Eng	Engine
HP	Horsepower (hp)
MTOW	Maximum all-up weight, kilograms (1kg = 2.20 lb)
St	Number of seats
Vmax	Maximum speed, kilometres per hour (1km/h = 0.622mph)
Vc	Cruising speed, kilometres per hour (1km/h = 0.622mph)
VsO	Stalling speed, kilometres per hour (1km/h = 0.622mph)
Vz	Climb rate, metres per second (1m/s = 197ft/min)
FC	Fuel consumption, litres per hour (1 l/h = 0.264gph(US), 0.220gph(imp))
Assembled	Assembled price
Kit	Kit price
Plan	Plan price

Remember! This is an international publication, so all prices exclude local and national taxes, eg VAT and sales tax.

The current generation of ultralight aircraft owes much of its development to the flexwing trike. Though the idea of simple powered flying had existed since the beginning of aviation, when aircraft were ultralights out of necessity, in the late 1970s it re-emerged as people started putting little engines under hang gliders. From then on, trike development was driven as much by the wish to fly 'light', as by the desire to avoid regulatory constraint.

Although there is not a single country that could bring itself to sanction a total removal of regulatory restrictions, or anything close to it, most countries have taken a fairly relaxed approach to these curious – to the general public – one- and two-seat flying machines.

The trike is ideal for anybody who simply wishes to fly an ultra-simple aircraft, to feel the wind in their face on a gentle evening meander, and yet be able to travel fast enough to go cross-country when the need arises.

Of course, the machinery has improved enormously over the years and the customers have moved upmarket along with the product, adopting four-stroke engines and smaller, more efficient wings.

Air Création is the biggest trike manufacturer in terms of output, with a complete range from fast two-seaters to simple short-field solo aircraft. But you don't stay at the top by accident: its biggest erstwhile rival, Cosmos, failed to recognize the emerging demand for bigger four-stroke engines and has now vanished from this publication, having stuck doggedly to ultra-basic designs.

It takes all sorts of aircraft to make the flying world. Let's be thankful that these wonderfully practical and able machines are part of it.

Pierre-Jean le Camus

CLASS OF REGULATION

Shows the lightest class of airworthiness regulation for which the aircraft is eligible. Does not necessarily indicate that certification has been achieved. See introduction to fixed-wing section for full explanation.

> Manufacturers, Importers and advertisers are indexed at the back of this publication.

Abbreviations

The abbreviations used in this directory are indexed on page 6.

Abkürzungen

Alle in diesem Katalog verwendeten Abkürzungen werden auf Seite 6 erklärt.

abréviations

Toutes les abréviations utilisées dans ce catalogue sont répertoriées en page 6.

Top-UL-Flächen
"Made in Germany"



Pico

14,8 m², max. 450 kg, 48 - 145 km/h

Pico S

12,2 m², max. 450 kg, 60 - 160 km/h

neu Pico L

12,2 m², max. 230 kg, 47 - 110 km/h

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ACE AVIATION

This company, led by British expatriate John Penry-Evans, offers all kinds of subcontract manufacturing services, from wings to propellers, but is also an active flexwing manufacturer in its own right. The output is intended mostly for deregulated markets such as the UK or USA. The trike unit, known as the Magic, can be folded for transport and is adjustable for leg length. Latest versions can be rigged by one person and it can be supplied with any of four wings: here we show the feisty Cyclone, while below is the 90% double-surface Laser. Also available are the Touch (new this year, 70% double surface) and the gentle Spirit.

FAI-ML

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EW	WS	WA	TC	Cert	Eng	HP	Wmax	St	MTOW	Vc	Vs0	Vz	FC	Assembled	Kit	Plan
115	9.2	11.5	30	BHPA	Simonini V 1 Plus	48	245	1	125	101	53	6.5	7	-	-	-



Magic Cyclone

ACE AVIATION

Ace Aviation's Magic range includes four aircraft, of which the Laser shown here is a mid-range model, with 90% double surface. Negotiations are in hand for all sales worldwide to be handled through P&M Aviation in the UK, so the price must be regarded as provisional, but note that it does not include the power plant. Engine options include Rotax 447, Simonini Mini 2 Plus and Victor 1; Ace is the Indian importer for Simonini.

US-UL

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EW	WS	WA	TC	Cert	Eng	HP	Wmax	St	MTOW	Vc	Vs0	Vz	FC	Assembled	Kit	Plan
86	9.9	13	18.9	BHPA	Simonini Mini 2 Plus	28	230	1	91	68	38	3	3.5	£ 3 829	-	-



Magic Laser

AEROS

Aeros didn't get to be a world leader by ignoring market trends, and here is its take on the current US vogue for strutted wings, the new Profi TL. We show it fitted to the Aeros 2 trike unit, which is marketed in North America under the Velocity name. The same trike can be bought with the company's more traditional wings: Stranger 2, Stream, Profi and Still.

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AEROS

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EW	WS	WA	TC	Cert	Eng	HP	Wmax	St	MTOW	Vc	Vs0	Vz	FC	Assembled	Kit	Plan
150	10	14.5	53	-	Rotax 912	80	472.5	2	120	90	52	5	12	24 160 €	-	-



Aeros 2 912 Profi TL