

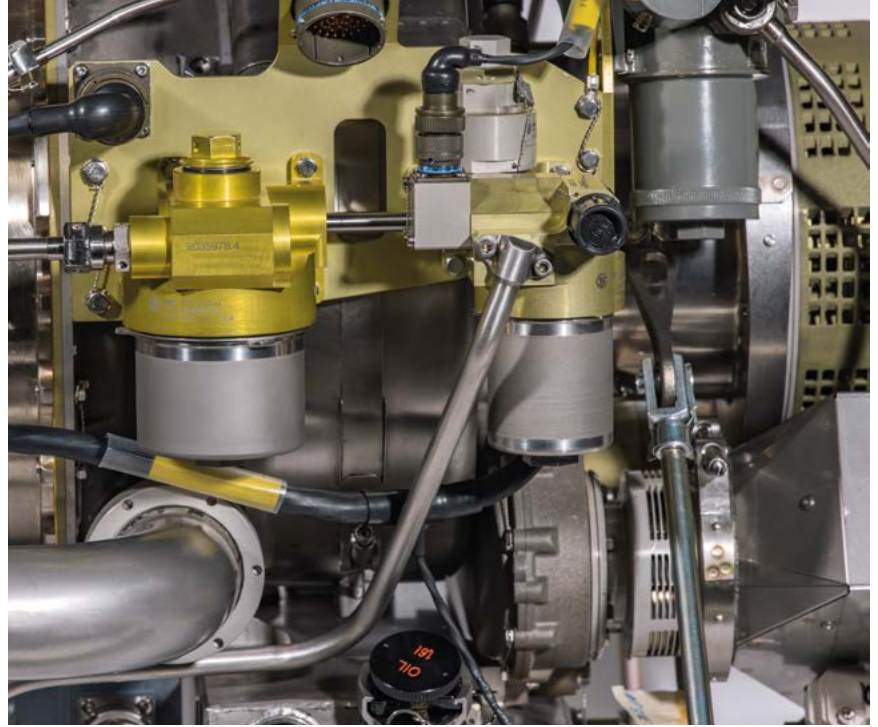
# AUXILIARY POWER UNITS



AEROSPACE • INVESTMENT CASTING • CRYOGENICS • SURFACE TREATMENT

# WE DEVELOP AND MANUFACTURE AUXILIARY POWER UNITS

PBS focuses on continuous R&D, technological innovations and new APU development.



## MAIN FEATURES

Our auxiliary power units are capable of supplying compressed air and electrical power across a wide range of operating conditions. With their exceptional reliability PBS APUs reached the global leadership position in the up to 100 kW category.

- › EASA certificated
- › Continuous operation for 6 hours
- › Long service life and easy maintenance
- › High reliability in extreme conditions
- › Highly resistant ECU, increased flight envelope
- › 9+ years TBO





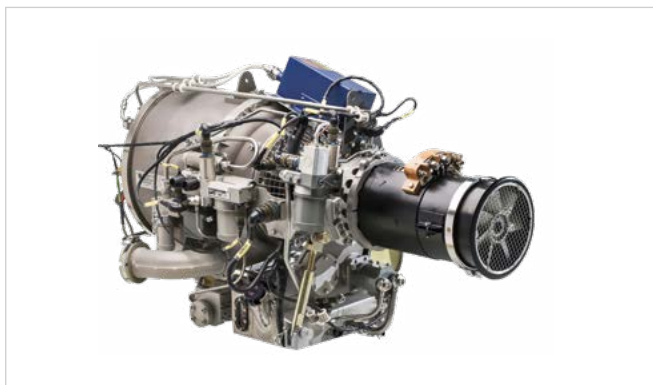
# PBS APU FAMILY

We have produced and delivered over 7,000 APUs for use in helicopters and jet trainers. Our comprehensive technical support for APU operations is available not only at our service facilities but also on-site at the customer's location.

## SAFIR 5K/G MI



## SAFIR 5K/G MIS



## SAFIR 5K/G Z8



## PBS APU SPARK40



## TECHNICAL PARAMETERS

	SAFIR 5K/G MI	SAFIR 5K/G MIS	SAFIR 5K/G Z8	PBS APU SPARK40
Electrical power output	20 kVA	6 kW	40 kVA	40 kVA
Bleed air extraction	53 lb/min	53 lb/min	39.7 lb/min	58.8 lb/min
Specific fuel consumption	121 lb/hr	121 lb/hr	134 lb/hr	132 lb/hr
Dry weight	158 lb	142 lb	164 lb	158 lb
Max. operating altitude	19,700 ft	19,700 ft	19,700 ft	26,300 ft

## WHY PBS

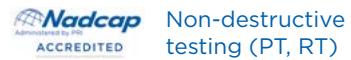
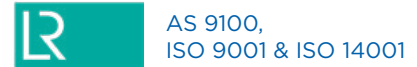
- › With over 50 years of experience in APU development and production, we have accumulated a wealth of knowledge and expertise
- › As a TIER 1 supplier, we maintain a remarkable 90% in-house production capability
- › We are a certified producer approved by EASA

# ABOUT US

PBS is a globally recognized engineering brand with a history of over two hundred years.

The company specializes in the R&D and manufacturing of turbine engines, APUs, and ECS systems designed for unmanned aerial vehicles, medium helicopters, and airplanes.

PBS also develops and produces cryogenic equipment for the world's largest manufacturers of gas liquefaction systems. PBS Foundry is one of the leading suppliers of nickel and cobalt-based superalloy castings in Europe.



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