

I A K - 5 2

TRAINER / AEROBATIC AIRCRAFT

OVERHAULS & UPGRADES



BRIEF INTRODUCTION

IAK-52 is a light aerobatic trainer designed by the Yakovlev design bureau in the Former USSR. It is equipped with a M-14P radial aircooled piston engine , rated at 360hp and is fitted with semi-retractable undercarriage

Length:	7.745 m	Empty weight:	1,035 kg	Max. level speed:	270 km/h
Wing span:	9.3 m	Max T-O weight:	1,355 kg	Service ceiling:	4,000m
Height:	2.7m	Max g-loading:	+7/-5 g	Max range:	500 km

HISTORICAL BACKGROUND

AEROSTAR is the sole producer in the world of Iak-52.

The production started in 1978 following the documentation supplied by the Yakovlev design bureau. The production peaked nearly 200 aircraft per year in mid '80s and still continues.

All production and flight testing was carried out here, starting from the first prototype.

Along the time, all the service and modernization bulletins issued by the designer were implemented to the factory new aircraft, as well as to the ones already delivered.

Between 1983 and 1993 a service team provided all the works related to technical support, including the implementation of the service and modernization bulletins.

Up-to-date over 1,800 aircraft were sold to various customers: the airclubs from former USSR, the air forces in Romania, Hungary, Vietnam and to private customers USA, United Kingdom, Denmark, Italy, Australia.

Following market requirements, Aerostar produced the Iak-52W modernized version and is currently developing the Iak-52TW.

AEROSTAR S.A., -an approved supplier of the Romanian Ministry of Defense, has implemented a Quality Systems complying with ISO 9001 and holds vendor approvals for products and services supplied.

OVERHAULS & UPGRADES

AEROSTAR can perform overhauls of Iak-52 aircraft in service, according to the following stages:

- Inspection / reception, dismantling, overhaul, repair and testing of the following:
 - airframe, including flight controls;
 - landing gear;
 - systems;
 - aggregates;
- Inspection, overhaul and repair of the electrical system, as well as of the instrumentation and avionics installed on the aircraft;
- Application of the upgrade bulletins (up-to-date), for the following main items:
 - reinforcement of the wing joint-59 R;
 - replacement of the fuselage beam -60 R;
 - reinforcement steel strap on the wing spar -107 BD;(There are approximately 100 such bulletins)
- Inspection, overhaul, repair and bench-testing of the M-14 P- piston engine;
- Overhaul and repair of control & measuring devices used in aircraft service;
- Production of spare parts;
- General assembly;
- Ground & Flight testing;
- Painting and Delivery to the customer;



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