



CUSTOMER REFERENCE

NECURON® 651 for radio-controlled planes

Customer:	Rodrigo de Toro, Argentina
Products used:	NECURON® 620
Branch:	Aviation
Application:	Models for radio-controlled planes

1. ISSUE

Rodrigo de Toro is company which manufactures radio controlled planes.

The gliders are one of an international category called F5J from the FAI (International Model Aircraft Commission). The models were digitally designed and the wing, rudder, and fuselage moulds were made in NECURON®. The machining was carried out directly by his own CNC and a larger router.

The moulds are out of NECURON®651.

2. SOLUTION / RESULTS

The experiences gained were very positive. NECURON® 651 saved time in machining compared to other materials for making dies. It was very satisfied because it also allows details by hand as well as glueing more material in case it is necessary, without having problems later.

The fact of less tool wear is an additional advantage too.

Rodrigo said: "I chose to use NECURON® for the design of the moulds because it is an easy and versatile material to work, as well as lighter to handle than aluminium".

Digital design is the key in the fabrication of CNC machining, to achieve the best subsequent results for dies and part copying.

The largest boards are : 1400 x 260 x 50 mm. Once the machining work was finished, the board was painted with polyurethane and later to be polished. This polishing was essential for making his copies in carbon fiber and epoxy resins.

Mirror polishing gave the NECURON® boards the necessary shine by means of a crystalline epoxy gel coat.

APPLICATION IMAGES

