



CUSTOMER REFERENCE

Vacuum deep-drawing tool made out of NECURON® 702

Customer:	nordform Max Storch GmbH & Co. KG, Norderstedt, Germany
Products used:	NECURON® 702
Branch:	Plastic processing, deep drawing company
Application:	Manufacture of prototype deep-drawing tools for drawing polycarbonate

1. ISSUE

The company nordform Max Storch GmbH & Co.KG in Norderstedt manufactures vacuum deep-drawing tools made out of NECURON® 702 for the production of prototypes. Approx. 1-10 lamp hoods can be manufactured with one prototype tooling.



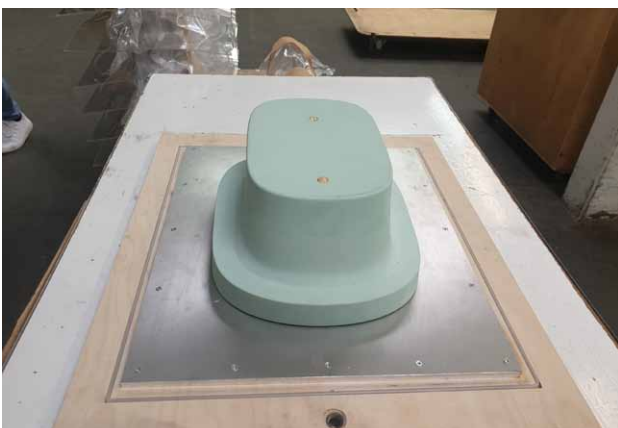
2. SOLUTION / RESULTS

In the first step two 100 mm thick boards will be glued by means of NECURON® K7S and afterwards these boards will be milled. After the milling process the surfaces will be sanded and polished in order to achieve a smooth and shiny surface, because the lamp hoods are transparent. These semi-finished products are made out of polycarbonate which is a break-prooved thermoplast. These plates have a thickness up to 2 mm.

During the thermoform process these pc-plates will reach a temperature up to 200°C by means of thermo heaters until they are in thermo-elastic condition.

Afterwards the lamp hoods will be pulled out of the NECURON® 702 tool by means of vacuum in order to demould the lamp hoods easily.

APPLICATION IMAGES





NECURON® 702

BLOCK MATERIAL - CASE STUDY

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2/2



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