

SUCCESS STORY
THE BETTER
WOOD
WISSNER, GERMANY



Krauss Maffei

Pioneering Plastics

RE-WOOD® ON CX MACHINES WITH WOOD POWDER THROUGH THE STANDARD SCREW

OVERVIEW

CUSTOMER: Wissner GmbH
COUNTRY OR REGION: Germany
INDUSTRY: Consumer goods

APPLICATION: Play and teaching aids
• Cavities: 1 to 8
• Shot weight: 200 g - 2,500 g
• Materials: Re-Wood®, Re-Plastic®

MACHINE DETAILS:
CX 50 TO CX 130
• Clamping force: 500 to 1,300 kN
• Screw diameter: 30, 55, 60 mm

CUSTOMER PROFILE:
For over 45 years, the family-owned company has been dedicated to didactically meaningful teaching/learning materials and educational game sets in the field of mathematics, all under the guiding principle of "Active Learning".
www.wissner-aktiv-lernen.com/en

REQUIREMENTS:
• Robust machine
• Safe processing of wood powder with standard plasticization
• Fast customer service

INDIVIDUAL SOLUTION:
• All requirements fulfilled with standard

ADVANTAGES:
• High standardization (no special screw)
• Cantilevered clamping unit offers more space for removal devices and temperature control units
• Compact design
• Small footprint

Wissner GmbH is a technological pioneer in the field of play and learning sets and has created its own recycling material with Re-Wood®. It is processed on injection molding machines from the KraussMaffei CX series - with standard plasticizing.

The basis for Re-Wood® is regional wood powder. Combined with a binder, either recycled plastic or bipolymer, Wissner brings it to granulate size and to the injection molding machines - all CX machines from KraussMaffei with clamping forces from 500 to 1,300 kN.

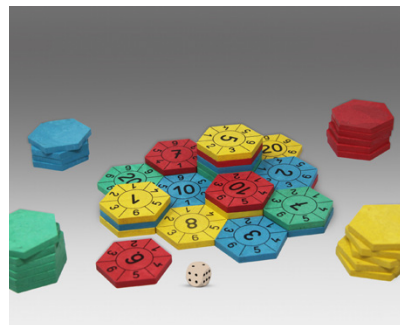
Thanks to its 80 percent wood content, Re-Wood® has different physical properties than pure plastics. Nevertheless, it can be processed in a standard plasticizing process without any adjustments to screw geometry or non-return valve.

Unlike real wood, Re-Wood® building blocks can withstand dishwasher cleaning. They are very strong, almost infinitely durable and, if worn out, they can be recycled again and again. Wissner even takes back Re-Wood® products that are no longer needed. Building blocks and others can be coated using drum coating, for example, and printing is also possible.

In addition to Re-Wood®, Wissner processes Re-Plastic®, which consists of 100 percent recycled post-consumer waste.

"As a family-run company, Wissner attaches great importance to ecologically responsible production."

(Simon Hagemann, Wissner sales)



Play and learn at the same time:
The "Hexagon Castle of Numbers" game



Re-Wood® is also increasingly conquering the international world of board games



*Driving forward the development of sustainable teaching and play materialstogether (from left):
Jörn Wissner, Simon Hagemann, Jess Wissner, Jürgen Wissner (all Wissner GmbH)
and Peter Meisel (Regional Sales Manager, KraussMaffei)*