

SUCCESS STORY
**THE LARGEST INJECTION
MOLDING MACHINE
IN SWITZERLAND**

GEORG UTZ AG, SWITZERLAND



Krauss Maffei

Pioneering Plastics

AUTOMATED PRODUCTION PROCESSES MX SERIES ACCOMPLISHES BIG THINGS

OVERVIEW

CUSTOMER: GEORG UTZ AG
COUNTRY OR REGION: Switzerland
INDUSTRY: Logistics and packaging

**APPLICATION: PALLETS, BOXES,
PALOXES (WEIGHING UP TO 50 KG)**

- Number of cavities: 1
- Material: PP, HDPE, ABS

**MACHINE DETAILS:
MX 4000-75000**

- Clamping force: 40,000 kN

CUSTOMER PROFILE:
Georg Utz AG is part of the Utz Group and specializes in state-of-the-art containers for internal and external logistics.
www.utzgroup.com

REQUIREMENTS:

- Elaborate process steps within cycle time
- Energy-efficient production
- High percentage of recycled material (APCplus)

CUSTOMIZED SOLUTION:

- Sophisticated two-story automation
- Large working radius (Z-axes are 12 m long)

BENEFITS:

- Low amount of scrap (weight-constant parts)
- Increased production volume
- Best energy efficiency
- Increased percentage of recycled material

In state-of-the-art logistics, it has to be feasible to use boxes, pallets and paloxes even in automated production processes. This means they need more than just the owner's logo; they also need IML barcodes and integrated RFIDs. To enable these and other process steps to be implemented within the specified cycle time, Georg Utz AG has put the country's largest injection molding machine into operation.

Thanks to the new MX 4000-75000, now approximately 20 different products weighing up to 50 kilograms are being produced in three-shift operation. They are all made of either polyolefin, ABS or technical plastics. This way Utz can achieve a significant increase in production and in the percentage of recycled material.

The Utz Group owns around 50 injection molding machines from KraussMaffei, 22 of which have a clamping force of 800 kN or more and are located at the headquarters in Switzerland. Also highly important for Utz are the digital products from KraussMaffei, such as APCplus and DataXplorer, because these can significantly reduce their amount of scrap.

"We scrutinize machine suppliers with regard to their technical standard, service quality and price. It's important to us that the machine consistently runs well and that help comes quickly if we do have any problems. We are very satisfied with KraussMaffei in this regard."

Andreas Schlegel, Head of Operations at Georg Utz AG, Member of the Management Board



The pallets, boxes and paloxes manufactured on the MX 4000 have many impressive extras



The two-story automation completes the following process steps, such as the application of RFIDs, IML barcodes and logos, plus post-mold processing and partial quality control



**Holding mutual trust and
collaboration in high esteem
(from left to right):**

Andreas Schlegel (Head of Operations
at Georg Utz AG, Member of the
Management Board), Bruno Schleiß
(Managing Director at Krauss-Maffei
(Schweiz) AG), Marcel Meier
(Head of Production Technology at
Georg Utz AG) and Markus Eggimann
(Head of Production at Georg Utz AG)

AHEAD – KraussMaffei’s customer blog