

SUCCESS STORY
WEBER GMBH

*WASTE DISPOSAL CONTAINER
PRODUCTION WITH A CLAMPING
FORCE OF 5500 TONS*

Krauss Maffei

Pioneering Plastics



PRECISION ON A LARGE SCALE

MXH 5500-75000/75000

OVERVIEW

CUSTOMER: Weber GmbH & Co. KG

COUNTRY OR REGION: Germany

Sector: Logistics / Packaging

APPLICATION:

**LARGE WASTE DISPOSAL CONTAINERS
WITH CAPACITIES FROM 660 TO 1,100 L**

- Number of cavities: 1
- Shot weight: max. 33000 g
- Material: HDPE

MACHINE DETAILS:

MXH 5500-75000/75000

- Clamping force: 5500 t
- Two parallel injection units
(SP75000 + SP75000)
- Screw diameter: 215 mm
- Demolding: LRX1000
(X stroke of 3000 mm)

CUSTOMER PROFILE:

Abfallbehälter & Container Weber GmbH & Co. KG was founded in 1969 and is known for the production of waste disposal containers of in all common sizes and designs. www.w-weber.com

REQUIREMENTS:

The manufacturing of large volume waste disposal containers requires the use of large molds. The large design dimensions and the long flow distances necessitate high clamping forces.

CUSTOM SOLUTION:

- HPS barrier screw
(High Performance Screw)
- Large platens (H x V) 2500 x 2500 mm
- Hydr., adaptive mold clamping system
- Mold weight: up to 150 t

BENEFITS:

- Compact, hydromechanical two-platen clamping unit
- High melt quality and constant shot weight thanks to HPS screw
- Optimal melt and pressure distribution due to parallel injection layout

With a clamping force of 5500 t, the MXH 5500 is an absolute benchmark in the world of large injection molding machines. Along with another large machine, an MXH 4500, it produces large-volume waste disposal containers at Weber, the disposal specialist.

The reasons behind Weber's investment were the purchase of new molds and, in doing so, expanding capacity and attaining the greater flexibility desired in manufacturing. As regards the design and implementation of the new large machines for Weber, the KraussMaffei Design Engineering department worked closely together with the people responsible at Weber, resulting in a successful system solution. The large machines are designed for particularly high clamping forces and achieve the required high locking forces of 4500 and 5500 t respectively.

In addition to the technical advantages of the MX series, the machine features a number of impressive details. These include the solid design of machine bed and the mold fixing platens as well as the lengthened and widened sliding shoes. A further plus-point is the guidance of the tie bars in the movable mold platen over the entire opening width of the locking unit – the ideal prerequisite for safe handling of the molds, which can weigh up to 150 t each.

***“The new KraussMaffei machines offer us
the best option for meeting our requirements
for high locking forces.”***

(Helmut Guntermann,
Managing Director at Weber)



Colorful variety: Weber produces large volume waste disposal containers in a variety of shapes and colors on the MXH 5500.



The custom solution allows safe handling of the molds, which can weigh up to 150 t.



Record-breaking machine: with a clamping force of 5500 t, the MXH 5500 is the largest KraussMaffei injection molding machine in the world.