

Kitchen gadgets: Production

The manufacturing process of the kitchen gadgets series TWIN Select is highly complex and, depending on the task to perform, varies a great deal. Ladles and turners for example need up to 30 manufacturing steps. Although many manufacturing stages are identical for a large number of the specialists, some specific head parts are made from various materials, according to the intended purpose. Therefore various and diverse manufacturing processes and machinery are employed.

These are the most important production steps:

1. Stamping of the blanks

All individual parts of a kitchen gadget are stamped from stainless steel. As a principle, all head parts and handles are stamped individually. Also, all slits for turners and all holes for skimming ladles are applied during this step in the production process.

2. Shaping

The stamped blanks are shaped by rolling, stamping and bending. The handles get the arch which is so very important for their stability. The curved edges are achieved by a special rolling process, the so-called convex rendering.

3. Assembly

Most of the individual metal parts are welded. The head parts of the serving specialists are welded onto the handles.

Closed handles: initially the head parts are bundled into a capsule that is subsequently glued into the handle socket. Due to the glue the parts are simultaneously locked watertight.

4. Grinding

The first surface treatment removes any burrs remaining from the welding process to produce an even surface. All edges on handles and head parts as well as all slots and holes are rounded by grinding.

5. Sharpening

All cutting tools such as mincing knife, peeler and cheese knife are ground on special machines with whetstones where they receive their final sharpness.

6. Matting

The surface is fine-ground with a soft material (fleece with grinding agent). That way the last remaining uneven spots are removed and the final typical matt-finish appearance is achieved.

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7. Cleaning

To remove residue and dirt that accumulated during the production process, the kitchen gadgets are cleaned via a series of cleaning basins containing soap. In addition ultrasound is used to get rid off mechanical soiling.

8. Marking/etching

The final manufacturing step is the etching of the ZWILLING J.A. HENCKELS logo onto the handle.