### Sulz am Neckar, February 2021

**Thermoset operating parts: Heat resistant, robust and easy to clean**

**HEINRICH KIPP WERK offers customers a comprehensive range of operating parts and grips made from thermosetting plastics. These products impress with numerous advantages: They are not only very robust and heat resistant but, due to the high-gloss polished surfaces are also easy to clean. Therefore, in some areas, thermoset components provide a cheaper alternative to stainless steel models.**

Especially for operating parts, the rule - the application determines the material - applies. With thermosets, the potential areas of application are wide-ranging. The plastic has proven itself for plant and machine construction as well as on construction vehicles, electrical equipment, chemical plants and for applications in e.g. medical technology. The reason for this wide range lies in the properties of this robust and versatile material: thermoset is particularly hard and impresses with high abrasion resistance and dimensional stability under load. Operating parts made from this material expand little when heated, withstand temperatures of up to 150 °C and, unlike metal versions, are not electrically conductive. The good surface quality enables easy cleaning, and the material is resistant to chemicals such as alcohols, greases and petrol. Finally, the high-gloss polished surface is also becoming increasingly popular in the design sector - the "piano lacquer look" gives the appearance of elegance and high-quality.

Thermoset products are manufactured in a special process using special compression and injection moulding machines. In contrast to thermoplastic injection moulding, the granulate is heated and pressed into the mould under high pressure. Typical examples of KIPP components with this material are [Ball knobs](https://www.kippwerk.de/de/de/Produkte/Bedienteile-Normelemente/Griffe-Kn%C3%B6pfe/Kugelkn%C3%B6pfe-glatt-erweitert.html), [Pull handles](https://www.kippwerk.de/de/de/Produkte/Bedienteile-Normelemente/B%C3%BCgelgriffe-Maschinengriffe-Ger%C3%A4tegriffe/B%C3%BCgelgriffe-Kunststoff-oval.html) or [Disc handwheels](https://www.kippwerk.de/de/de/Produkte/Bedienteile-Normelemente/Handr%C3%A4der-Handkurbeln-Positionsanzeiger/Scheibenhandr%C3%A4der-drehbarem-Griff.html). KIPP operating parts are RoHS compliant; some models conform to DIN standards. They are mostly available in glossy black, but other colours such as dark red are also available on request.

(Characters including spaces: 2,018)

**Image caption:**

**KIPP-Bedienteile-aus-Duroplast.jpg**: HEINRICH KIPP WERK offers customers a comprehensive range of operating parts and grips made from thermosetting plastics.

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