Oberkochen, May 2025

**PolyCut circular sawblade from Leitz: The all-rounder for thermoplastics**

**Plastics have become an integral part of modern industry. They are used in furniture and interior design as well as in mechanical and plant engineering. Thermoplastics in particular require the utmost care during processing, as they are susceptible to melting due to their chemical composition. In addition, marks and unclean edges lead to costly reworking or even to entire parts being rejected. With the PolyCut circular sawblades, Leitz presents an innovative solution for the precise and efficient cutting of demanding materials.**

**Diverse applications, optimum results**

Thermoplastics are used in a wide variety of sectors: from high-quality design panels in furniture construction and displays in shop fitting to illuminated advertising and machine elements. Materials such as acrylonitrile butadiene styrene (ABS), polyamide (PA), polycarbonate (PC), polyethylene (PET), polymethyl methacrylate (PMMA), polyoxymethylene (POM), polypropylene (PP), polyphenylene oxide (PPO), polystyrene (PS) and polyvinyl chloride (PVC) require high-precision cutting quality. To meet these requirements, Leitz has developed PolyCut circular sawblades, a solution that delivers optimum results on table saws, sliding table saws and panel dividing saws.

The PolyCut circular sawblades have highly stable carbide teeth (TC-tipped), which guarantee a long, reliable tool life. The chamfered alternating teeth minimise scoring, prevent melting and ensure clean, precise cuts. This combination ensures outstanding cutting quality and an extended cutting edge lifetime.

**Reduced vibrations for greater process stability**

A key factor for the quality of the cut is the stability of the main blade. To reduce vibrations and achieve optimum damping, the PolyCut circular sawblades are equipped with special laser ornaments. These are equipped with an innovative filler that effectively absorbs vibrations. The tooth arrangement has also been optimised. This reduces further vibrations and increases quiet running. For easy identification and quick tool selection, the PolyCut circular sawblades are provided with colour-coded arrows indicating the direction of rotation. The blue marking refers to Leitz as the manufacturer, while the yellow marking indicates suitability for plastics - a proven colour scheme that is already established in Leitz publications.

**Customised solutions for every requirement**

The PolyCut range includes diameters from 300 mm to 450 mm and thus covers all standard table and sliding table saws as well as panel sizing circular saws. Different numbers of teeth ensure optimum adaptation to the respective material thickness, which further optimises the cutting quality.

In addition to choosing the right sawblade, process consulting is also important. This is because the correct setting of the cutting parameters is important for customised applications. Factors such as saw protrusion, speed and feed rate have a significant influence on the cutting quality.

**Sustainability and efficiency combined**

The PolyCut circular sawblades can be reground several times. This not only increases effectiveness, but also protects the environment.

With the new circular sawblade, Leitz presents a pioneering solution for the precise and economical cutting of thermoplastics - for excellent results, maximum flexibility and sustainable production.

**The company**

Founded in 1876 in Oberkochen, Southern Germany, the Leitz Group is the worldwide leading manufacturer of tools for industrial processing of wood, wood derived materials, plastics, compound materials and non-ferrous metals. The product spectrum covers the complete range of precision tools for automated machines. In a complete package of advisory services, approximately 3,000 employees pass on their experience of cutting tools to customers so meeting daily the requirements of a complete problem solver and producing service provider. Leitz products regularly are used in more than 150 countries.. Together with its two legally independent sister companies Boehlerit and Bilz, Leitz forms the globally active Brucklacher Group. With a total of 16 production sites, its own sales and service companies in 38 countries at 137 locations and an exclusive partner network, the Brucklacher Group is a global player represented on all continents. The Brucklacher Group employs over 4,000 people worldwide and generates an annual turnover of around 450 million euros.

**For more press information and high resolution images, contact:**

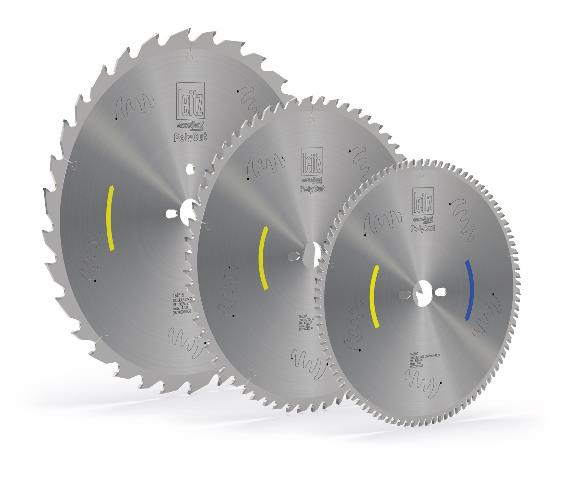
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ill. 1: The colour-coded direction of rotation arrows on the PolyCut circular sawblades make identification and tool selection easier, while the wide range with different numbers of teeth offers optimum cutting quality for different material thicknesses.

Ein Bild, das elektrische Säge, Werkzeug enthält.

KI-generierte Inhalte können fehlerhaft sein.

ill. 2: The special laser ornaments with innovative filler in the PolyCut circular sawblades minimise vibrations and ensure optimum damping, which significantly improves the cutting quality.