



**Resource-friendlier alternative to turned part manufacturing**  
**Baier & Michels GmbH & Co. KG, Germany**

The forming processes of pressing and rolling are familiar from screw production. In contrast to machining technology, which produces chips as a waste product, cold forming offers optimum material utilization.

Baier & Michels has developed the concept further and created an alternative to expensive turned part manufacturing with b&m-ECCO TEC® (Ecological Coldforming Technology). Ball studs, drive shafts, adjusting spindles: Long-shaft precision parts with complex profiles can now also be produced without cutting, up to ten times faster and ready for installation. Because less material has to be processed, moved, and recycled, the life cycle assessment improves significantly. Compared to conventional turned part manufacturing, for example, the material input and therefore the product carbon footprint (PCF) of a threaded bolt that Baier & Michels manufactures for industrial customers without machining is reduced by around 67 percent. Thanks to their high mechanical strength, the b&m-ECCO TEC® parts also help increase the service life of the end products and save additional resources.



**German Sustainability Award for M-CUBE power tools**  
**Adolf Würth GmbH & Co. KG, Germany**

From product development, use, and repair to reuse and recycling, Würth is committed to preserving valuable materials in the long term. The aim of the circular power tool strategy: to keep valuable raw materials in closed loops. This is also intended to reduce the carbon footprint and any potential negative social impacts. The world's first Cradle to Cradle Certified® cordless drill/drivers, the ABS 18 Compact and Subcompact, are a special highlight of the award-winning M-CUBE power tool range. Following successful pilot projects, Würth takes its sustainability strategy to a new level with this initiative and demonstrates that corporate responsibility and economic success can go hand in hand in a circular future.

The 2025 German Sustainability Award for M-CUBE power tools represents an important milestone on this path and a strong statement of the company's commitment as a co-creator of a sustainable economic system.