

WTN - Your Full-Service-Supplier

in the field of precision parts and forming technology. With us, you get everything from a single source, starting with consultation, through simulation & design, right up to the tool ready for series production. In addition to the technical requirements for machining the entire range of materials from soft to hard, our 100 employees also offer concentrated know-how.

As a company of the international operating Würth-Group we are already a competent partner for renowned industrial companies national and international from a wide range of sectors.

Apart from the classic processes such as **grinding, turning, or milling**, we also offer **3D metal printing** and the **PECM process**.

The PECM technology

Precise electrochemical metal machining (PECM for short) is a cold, contactless removal process with a vibrating electrode and controlled working gap, which enables the material to be dissolved in a targeted and controlled manner. This technology can be used to produce parts that require the highest precision and efficiency. A pulsed direct current, which flows to the workpiece via the electrolyte, is applied between the electrode and the workpiece to be processed. The workpiece is anodically dissolved according to the geometry of the following electrode. The dissolved metal components are rinsed away by the flowing electrolyte. This technology therefore enables the precise shaping of almost all metallic materials, regardless of their hardness.

PECM has several advantages, for example, there is no process-related electrode wear, roughness up to Ra 0.05µm is possible and, as the process does not produce any white layers, the tool has a longer service life.

Selection from our product range

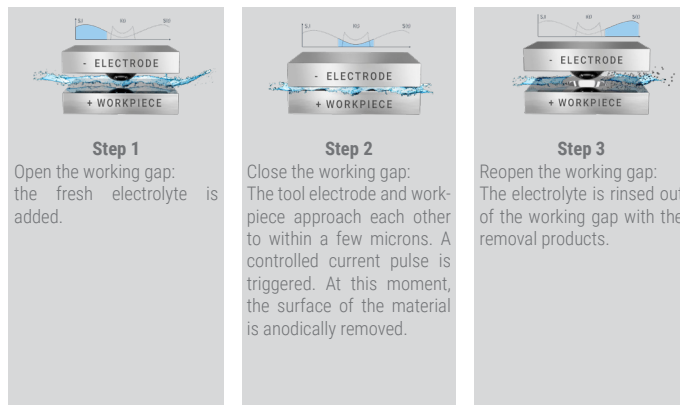
PECM

(Circumferential forming, front forming operations, embossing tools, special shapes, PECM electrodes)



Forming tools

(Dies, basic tools, machine spare parts, stamps)



The experts in our various specialist departments work hand in hand during project planning. Due to our process knowledge and our high vertical range of manufacture, all necessary blanks, fixtures and especially the electrodes can be produced in our own mould shop. With our PEM600 and its big sister PEM800, we can mould your products from a batch size of 1 piece. The diverse possibilities of our quality assurance also ensure that your tools are tested with the optimal measuring method.

We look forward meeting you and will be pleased to help you personally!