

# Hirsch KG - Fabrik technischer Federn

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As a traditional family business, we combine values and heritage with inventiveness and a drive for innovation. Since 1954, we have grown from a two-man operation into a medium-sized company with nearly 120 employees in Marktredwitz, Upper Franconia. With an unwavering focus on top quality, customer orientation, and flexibility, we have succeeded in becoming one of the market leaders in spring manufacturing. We make it exciting. Inventiveness, flexibility, and a strong focus on customer benefits define the quality products from Hirsch – including springs, rods, and bent wire parts.

## Products Springs

Since 1954, we have been a leading manufacturer of technical springs – including compression springs, extension springs, torsion springs, and flat springs. Our products are used across nearly all industries, from furniture manufacturing to automotive, aerospace, and the oil sector.

- Compression springs

- Flat springs
- Torsion springs
- Extension springs

### CNC Turned Parts

CNC-turned precision parts are used in a wide range of industries, including mechanical engineering, pneumatics, hydraulics, and aviation. At Hirsch, we use state-of-the-art CNC machines to produce precision turned parts for both small and large production runs.

Wire Bent Parts Bent wire parts are essential components in many sectors, such as medical technology, the furniture industry, and instrument manufacturing. Our core strength lies in processing wire gauges up to 10.00 mm.

### Rods

In the rod segment, we manufacture the following dimensions using Wafios wire straightening and cutting machines:

- Straightening and cutting of round wires from coils into fixed lengths
- Wire diameters: 0.70–6.00 mm
- Rod lengths: 20.00–3,000.00 mm (depending on wire diameter)

### Tools

Our tooling capabilities range from progressive dies for series production to custom bending tools for individual parts. We work with tool steels and PM steels. Using modern grinding, EDM, and milling machines, we can mill workpieces up to 800 x 500 x 400 mm or EDM parts with maximum dimensions of 600 x 400 x 300 mm.

Production Individual, Modern, High-Quality, and Fast Whether it's standard springs in large production runs, special CNC-turned parts in small batches, or even individual pieces with precision manufacturing quality — all Hirsch products are produced according to your specifications to ensure the best possible fit and 100%

functionality. You have several options when it comes to designing your desired products: We manufacture based on your technical drawings, with no additional design work required from us, We calculate springs using modern software in accordance with EN 13906-1:2002, or We handle the design process based on the key data you provide.

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