

Our advanced functional material responsible for numerous production innovations.

## Precision shaped wire

Material processing

Special heat treatment

This functional material is manufactured using our company's core technologies — die design and shaped wire drawing/rolling methods. Burrs are not generated during this method, which enables wire drawing and rolling without manufacturing losses. Also, by combining our in-house designed dies and grooved rolls with processing technology, it is possible to obtain an item with a shape and corner extremely close to that of the final product. By cutting the shaped cross-section material, it is possible to mass-produce products of the exactly same shape. Materials with such high levels of precision can be used for rings, press formed parts, and materials for spiral springs, etc., regardless of whether they are produced in-house or externally.

### Product features

- Enables processes to be reduced, as well as reductions in resource usage
- Recommended for introduction from the process design stage
- Both dies and grooved rolls designed in-house
- Realize shapes extremely close to that of final products
- Burrs are not generated during this method, resulting in no manufacturing losses

### Product applications

Piston rings, valve cotters, transmission parts, spiral springs for seatbelts, etc.

