

Investing everything to reach  
the height of spring making.

## Valve springs

Coiling

Special heat treatment

Suncall produces high-strength springs used for engine intake and exhaust valves. No fatigue failure should occur over 100 million cycles—that is the absolute requirement for valve springs, which makes them top-grade springs. In order to maintain this quality, Suncall invested original techniques and know-how into every process throughout its extraordinary system that produces valve springs from raw materials with a single production line. Our dedication to quality materials and machining has enabled us to accommodate the rigorous demands of engines, which increasingly require better output and fuel efficiency.



### Product features

- One of the few continuous production system in the world that produces valve springs from raw materials
- Manufacturing high-strength valve springs with nitriding and multi-step shot peening
- Flexible designs that cater to engine characteristics
- Saves space in the height direction by using irregularly shaped materials

### Product applications

Valve springs for automobile,  
motorcycle, and vessel engines



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