

# The New Generation of High-Tech Spring Supports



## KTI Vibration Isolation Systems

- Vibration Isolation of large and very large machines
- From machine weights of 10 tons to 3000 tons
- Economic and compact modular construction

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**KTI**   
Schwingungstechnik

## Applications & Services

### Spring supports with viscous safety damping for the vibration-isolation of

- **Presses and punch presses** with load capacities of 500 kN to 20,000 kN
- **Forging presses** with a compressive force of 500 kN to 15,000 kN
- **Forging hammers** with a blow energy of 10 kJ to 400 kJ
- **Car shredders** with a machine weight of up to 500 tons
- **Turbines** with up to 300 MW output
- **Pumps & blowers**
- **Roll grinding machines** with a grinding length of up to 15,000 mm
- **Test stands, centrifuges** with variable speeds
- **Pipeline dampers** with a damping force of 2 kN to 500 kN
- **Building isolation** for building weights of up to 2,000 tons
- Static and dynamic calculations
- Shuttering and reinforcement plans for spring supported foundations
- Vibration certificates and vibration measurements
- Construction supervision and erection

## Advantages

- Compact modular rectangular design with economic construction
- Special designs can be adapted to machine pedestals
- Load capacities of up to 280 t/m<sup>2</sup>
- Low construction height, minimal floor space requirement
- High quality, polyester coated steel springs
- Easily calculable damping values

## Customers

### Presses and punch presses:

Schuler-Gruppe, SMG, Schuler-Hydrap, Müller-Weingarten AG, Dieffenbacher, Heilbronn, Haulick-Roos, Kaiser, Raster, Fagor, Arisa, Aida, Colombo Agostino, Zani, Mossini, Hydromec, Verson, Clearing, Ssangyong, WIA, Hwail, Simpac, Komatsu

### Forging hammers:

Lasco, Bêché, Weingarten, Banning, Gebr. Wolff, Müller, Smeral, Massey, MPM

### Car shredders:

Svedala-Lindemann, Lynxs,

### Turbines, pumps, fans:

Siemens-KWU, ABB, MAN, GEC-Alstom, Ansaldo, Franco Tosi, Sulzer, Skoda

### Roller grinding machines:

Herkules, Waldrich, Naxos, Ingersoll, Techint-Pomini

### Testing machines, centrifuges, other:

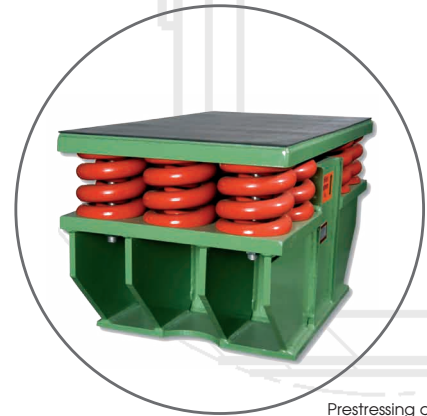
Hyundai, Daimler Chrysler, VW, GEA-Westfalia, Kraus Maffei AG, Klink, Mazda

## Contact person / representative in

<b>Europe</b>	Italy, Spain, United Kingdom, Austria, Switzerland
<b>Asia</b>	South Korea, Taiwan, Indonesia, China, India
<b>USA</b>	Boston
<b>South Africa</b>	Johannesburg



Press spring support  
for loads of up to 250 tons



Prestressing area on  
the press spring support



Standard spring  
support with viscous damping



Small spring support  
for loads of up to 10 tons