

**→ KTI Project Report No. 1**

**SUSPENSION OF A 27,000 KN  
DANLY TRANSFER PRESS**

<b>Customer</b>	→ Sungwoo Hitech s.r.o.
<b>Location</b>	→ Ostrava-Hrabova, Czech Republic
<b>Year</b>	→ 2008
<b>KTI product</b>	→ 6 spring supports PWG
<b>Load capacity</b>	→ max. 400 t per spring support
<b>Special feature</b>	→ Viscose safety damping

The company Sungwoo Hitech s.r.o. of South Korea operates in its Ostrava-Hrabova factory in the Czech Republic a mechanical Danly transfer press with a press capacity of 27,000 kN. To reduce vibrations in normal operations, KTI spring supports from the PWG range are used.

The total weight of the press of 1,360 tons is spread onto six bearing points, with the highest loads of 360 tons each being placed on the two middle spring supports. This special construction has a load capacity of 400 tons, which corresponds to a specific load-bearing capacity of 310 tons/m<sup>2</sup>. The external bearings have a loading capacity of 200 tons.

The picture below shows the central spring support with a load capacity of 400 tons. The load is absorbed by helical compression springs, which are positioned between the top plate and the substructure of the spring support.



**Mechanical Danly transfer press with 1,360 t gross weight**



**Specialists beside KTI spring supports with a load capacity of 400 t**