

## Spring testing machines

Spring testing has been one of our main interests from the beginning!

Starting with retrofitting testing machines of our competitors with new control systems for better performance, we are designing and building load frames for testing machines for nearly 20 years now. For every testing machine the design respects the special needs for spring testing from the beginning, therefore every CADIS testing machine can be used for spring testing without any restrictions.

Common features of all our testing machines:

- High stiffness of load frame, axial and lateral for side loads
- Robust steel guidings
- Preloaded, gapless ballscrews
- Gapless drive with timing belts
- Servo drives with high capacity for high dynamic and high testing speeds
- Optional overload protection for load sensors
- Optional protection door / housing



Spring testing machine 81822 (300kN) for railway springs with motorized X-Y-table for measuring side movement, side load and side rate of springs. Three axis, simultaneous closed loop control for travel and load



UTS-spring testing machine 600kN with CADIS control system (retrofit)



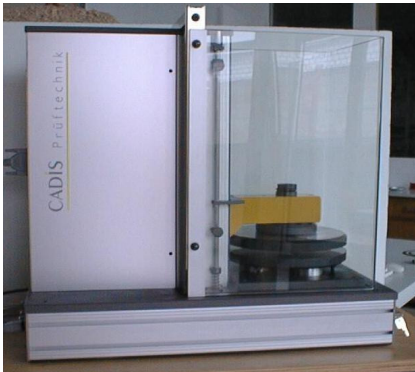
# CADIS Prüftechnik GmbH



CADIS testing machine 81870 (25 / 50kN)  
for testing automotive springs. Measuring  
eccentricity of piercing points, side loads and bending moment



CADIS C-frame testing machine 81855  
(2,5kN)



CADIS C-frame testing machine 81850 /  
500N for disc springs, spring diameter up  
to 300mm



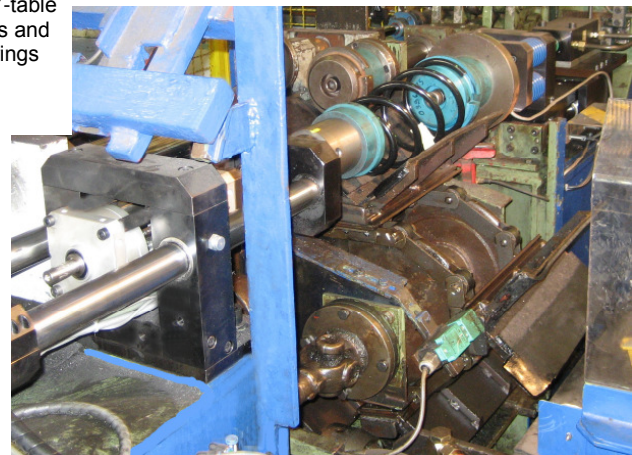
Retrofit of hydraulic Wolpert  
testing machine with X-Y-table  
for measuring side loads and  
side rate of railway springs



Retrofit of hydraulic and electrical Reicherter sprint  
testing machines (300 and 25kN)



Retrofit of Probat lead  
spring testing machine  
with portal frame and  
automatic feeding



Test station for inline testing of car springs (800 parts / h) with  
automatic adjustment of the spring during test cycle for better  
accuracy