

4. Assessment of dynamic behaviour of machines

We offer to carry out computational assessment of dynamic behaviour of machines. We can offer long term experience especially in the area of radial compressors, turbo-superchargers and turbines. For calculations we use DYNROT (SVÚSS) or Pro/Mechanika software.

We do mainly these types of analyses:

- ✓ Calculations of radial vibration of rotors
- ✓ Determination of natural frequencies, modes of vibration and critical speed of rotors
- ✓ Coupled vibration of discs

References:

PBS Energo, a.s.

High speed back-pressure steam turbines STG-I, STG-II (0.2 ÷ 10 MW)
Condensing steam turbines of TG series (1 ÷ 8 MW)
Condensing steam turbines of Mv550G series (1.8 MW)
Expansion turbines ETG-I, ETG-II (5 ÷ 10 MW)
Decanting centrifuges DO250

PBS Turbo, s.r.o.

Superchargers PTR 150, PTR 155, PTR 180
Superchargers NR 12, NR 20

