Why our products have no weaknesses? Because we detect them beforehand.

Simulation-based cabinet development with häwa
**Typical development process**

1. **Construction**
   - Modification of construction
2. **Test**
3. **Production**

**Simulation-based development process with häwa**

1. **Construction**
2. **Simulation**
   - Natural frequencies
   - Vibration/earthquake
   - Shock
3. **Production**
4. **Selective optimization**

**Simulation-based cabinet construction**

**Resonance frequency determination**

Frequency at which a system (cabinet) vibrates after a one-time stimulation. If an externally imposed oscillation coincides with the natural frequency of a cabinet, this results in particularly large amplitudes - which is called resonance.

**Vibration/earthquake**

Property analysis of a system which is exposed to vibrations that are unknown and erratic in characteristic and strength.

**Shock**

Determination of a structure's reaction to an impact or shock.

**Safe time and money!**

- Efficient detection of weak spots
- Selective optimization
- Shortened development time, lower costs
- Visualization of physical characteristics

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