

Technical Segment Presentation

Optibelt GmbH | BDA – Fitness Applications



Created by J. Ewen

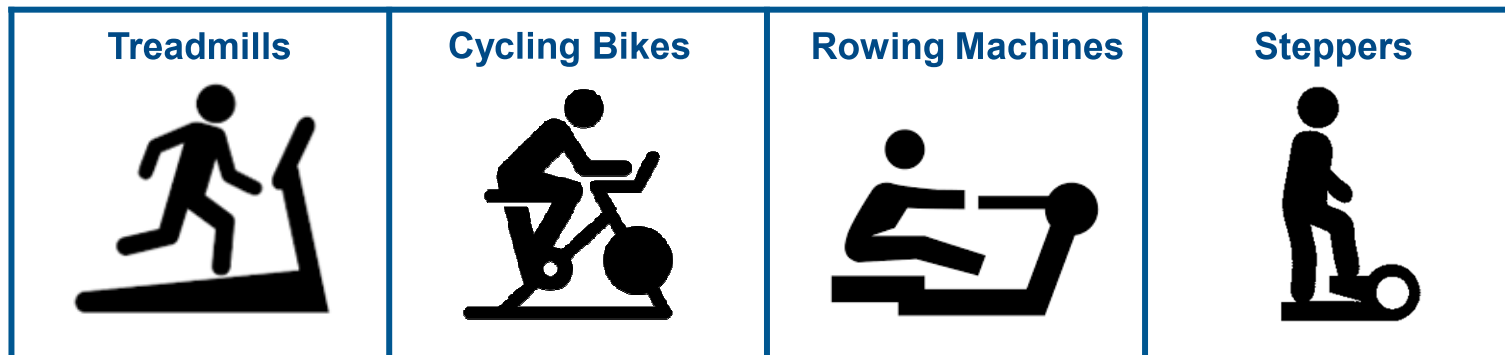


Structure

1. **Application overview**
2. **Different types of drive systems**
3. **Special solutions**
4. **Others**

1. Application overview

In the past already solutions for different fitness devices such as:



Also:
Belts for multi gyms



2. Different types of drive systems

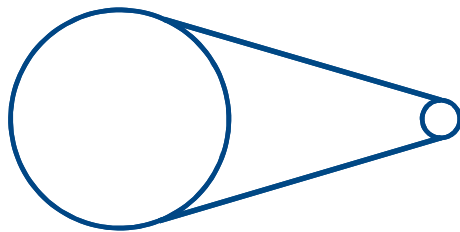
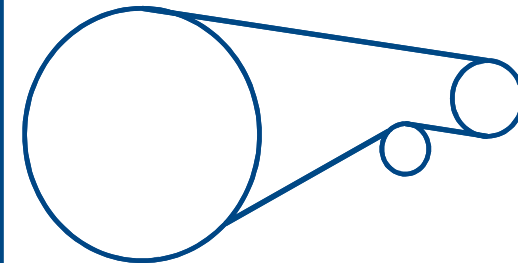
- I. 2 or more pulley
- II. Elastic or non elastic
- III. Timing belt

Examples of requirements:

- Large Translation
- High Torque [Nm]
- Low number of revolutions [n^{-1}]



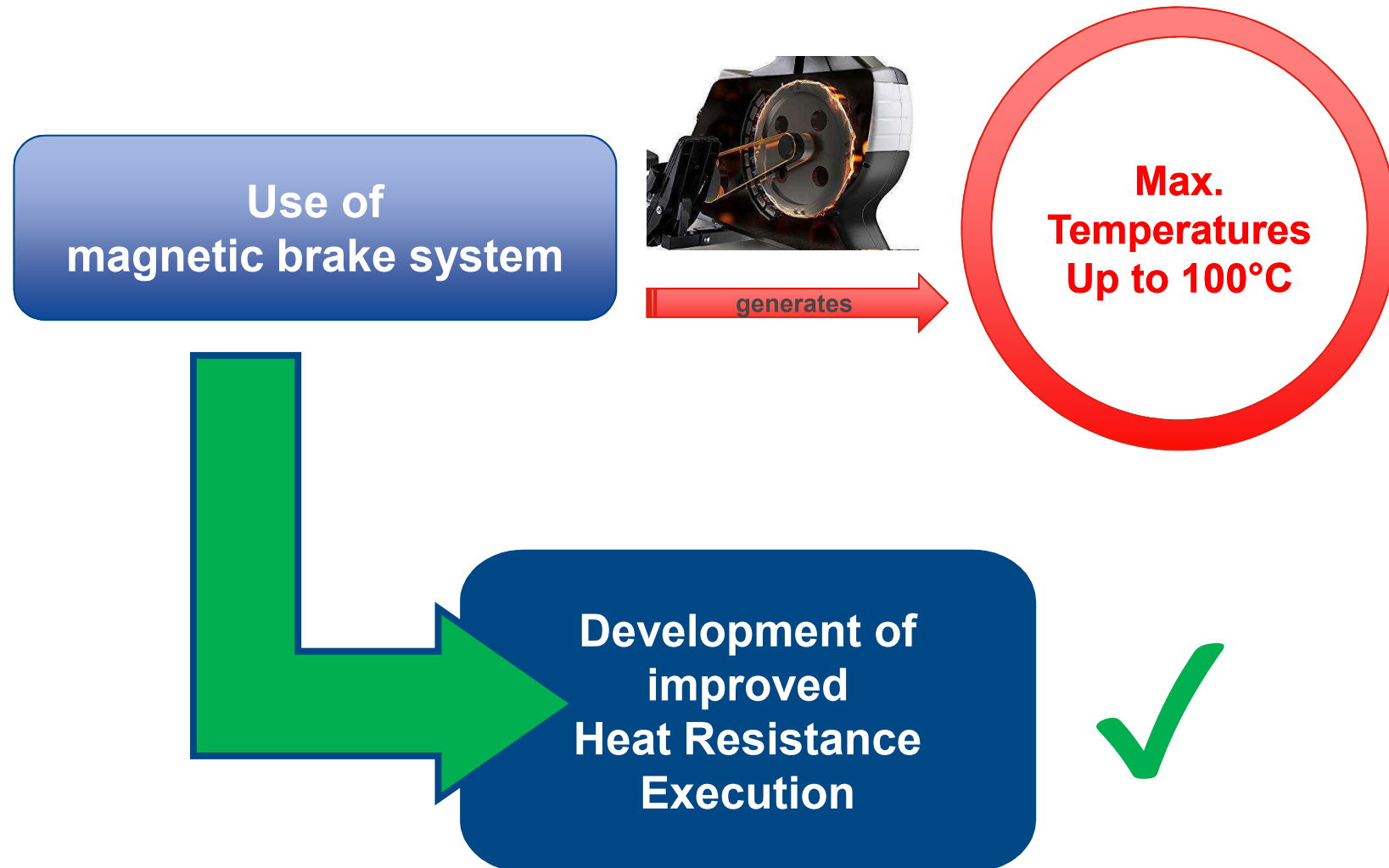
Optibelt **Delta Chain Carbon**



optibelt **RB elastic**

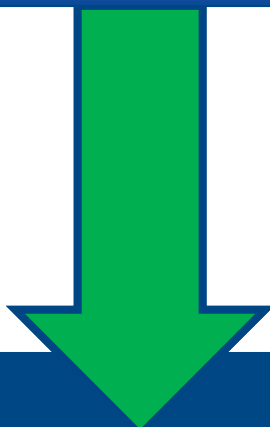


3. Special solutions



3. Special solutions

**Best performances
even at
Highest Torques and Motor Powers**



**Noise Optimized
Backside Execution**





3. Special solutions

**Optimized
Running Properties**

**Quieter operation of
Treadmills etc.**

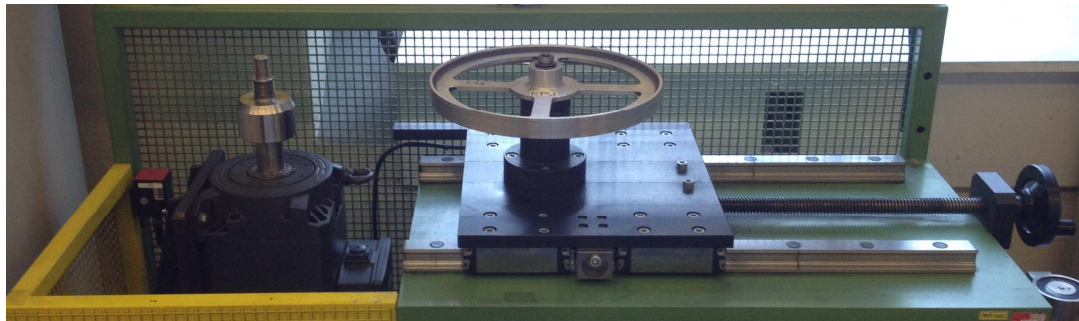
**Omitting of
Belt Marking**



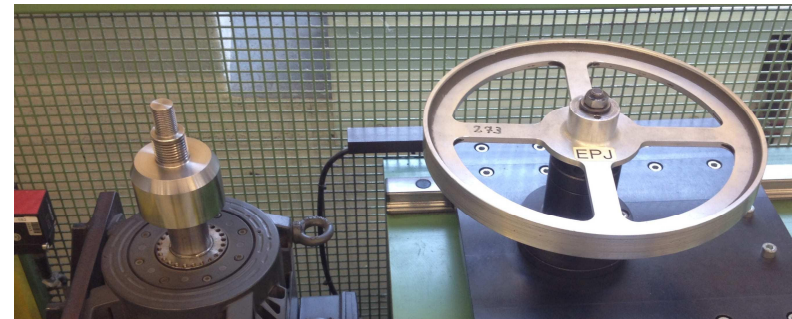
4. Others

Optibelt Benchtest:

- Special internal test device for elastic ribbed belts
- Unique development by optibelt



S_a →
**Axis Force
Measurement**





Many Thanks for your attention!



www.optibelt.com

