



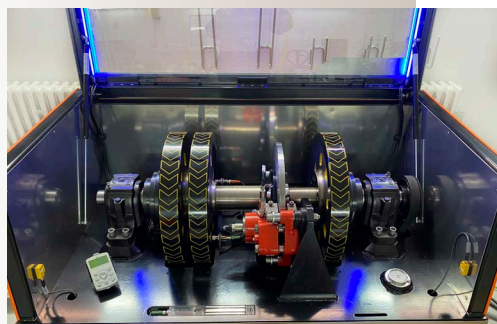
# Controlled Braking Simulator

## DYNO 2

### TECHNICAL DATA AND CALCULATION FUNDAMENTALS

DYNO 2 is a perfect dynamic tool to demonstrate real-life situations in laboratory conditions. The advanced algorithms of the DYNO shows 1:1 situations from various applications during braking processes. These include variable loads and speed. Such demo processes are essential in order to understand the philosophy behind controlled braking systems. Impressions of controlled braking algorithms can, with the help of the DYNO, be shared with our own technicians across the world, and at the same time demonstrate to our customer's engineers the benefits of Svendborg Brakes controlled braking systems - the SOBO iQ.

Knowledge sharing like this, can also be performed remotely, as the DYNO is IIoT fully equipped. The Svendborg Brakes controlled braking philosophy is open to all visitors to The Svendborg Brakes Academy, and available anywhere across the globe during online training sessions.



**HW  
PARAMETERS**

7,5 kW motor with VFD  
3 flywheels total  
2 flywheels, each connected with electromagnetic clutch.  
SB failsafe Brake BSFI 205 hydraulic system  
New PLC Beckhoff  
Control stand with integrated monitor  
Strong safety features

**SW  
PARAMETERS**

12 different braking scenarios to simulate real customer configurations.  
Possibility of creating additional user scenarios  
Direct control mode – direct control of motor, brake and clutches  
Connected to the IoT cloud with the possibility of detailed analysis of measured values  
Remote support/control via secure VPN connection