

-webinar-
20.03.2018

h/p/cosmos®

run ahead of time!



part1: product overview
&
sports solutions

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3/20/2018

webinar
product overview
(C) by h/p/cosmos sports & medical gmbh



sport



medicine

treadmill solutions

medical application

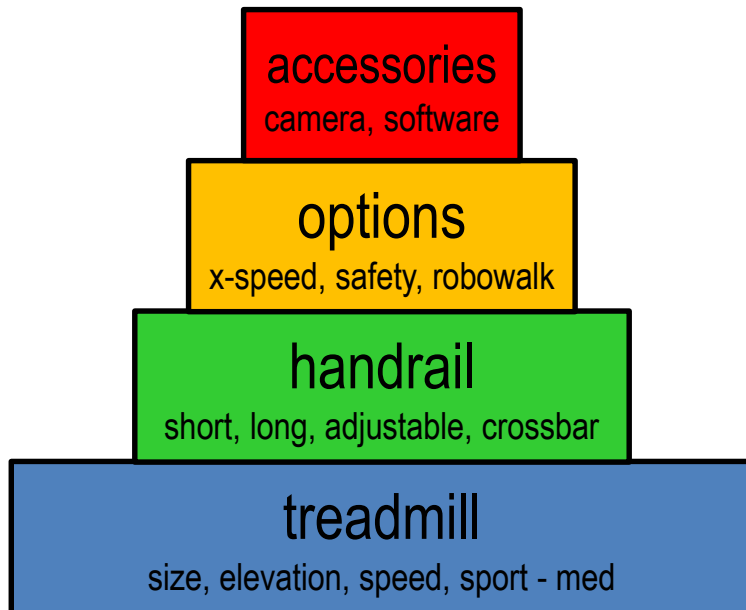
performance training



Intensity

built your treadmill

h/p/cosmos®



main models

h/p/cosmos®



pluto



mercury



locomotion



quasar



pulsar 3p



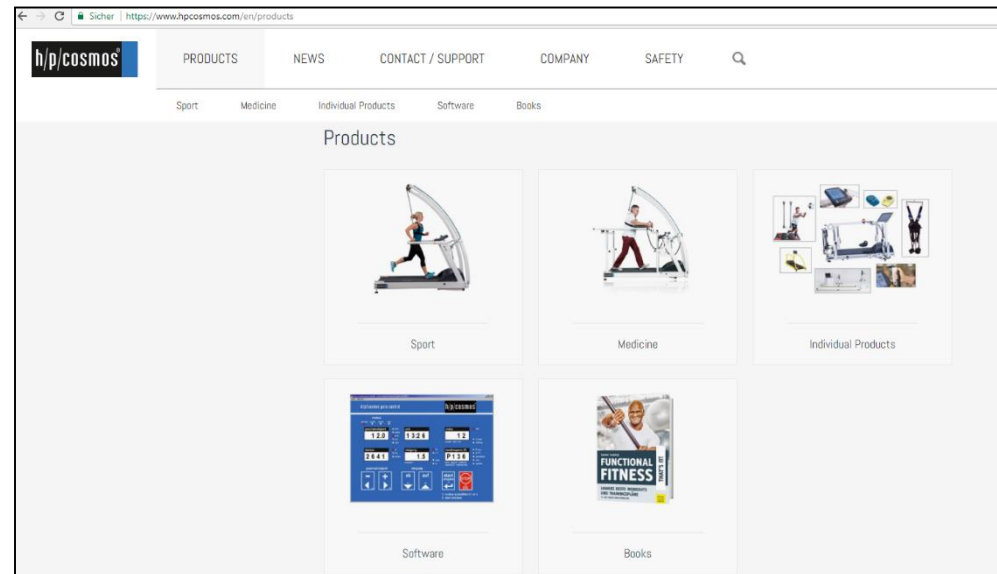
venus / saturn

more than helpful...

h/p/cosmos®

price list
product list
catalogue

website
www.hpcosmos.com



size 150 / 50

h/p/cosmos®



	pluto	mercury	locomotion
running surface	150 x 50 cm	150 x 50 cm	150 x 50 cm
speed	0 ... 18 km/h	0 ... 22 km/h	0 ... 10 km/h
elevation	0 ... 20%	0 ... 25%	-25% ... +25%
certificate	sport or med	sport or med	med always

It - no user terminal, PC control only

size 170 / 65 & 190 / 65

h/p/cosmos®



	quasar	pulsar 3p
running surface	170 x 65 cm	190 x 65 cm
speed	0 ... 25 km/h	0 ... 40 km/h
elevation	0 ... 28%	-25% ... +25%
certificate	sport or med	med always
motor system	3.3 kW (4.5 HP)	4.3 kW (5.8 HP)

lt - no user terminal, PC control only
3p - 3-phase power supply; 400 Volt



	venus	saturn
running surface	200 x 75 cm 200 x 100 cm	250 x 75 cm 250 x 100 cm 250 x 125 cm 300 x 75 cm 300 x 100 cm 300 x 125 cm
speed	0 ... 40 km/h	0 ... 40 km/h
elevation	-35% ... 35%	-27% ... +27%
certificate	med always	med always



saturn 300 / 100

running

saturn 300 / 100r

running, rolling application

saturn 300 / 100rs

running, rolling application, spikes

oversize XXL

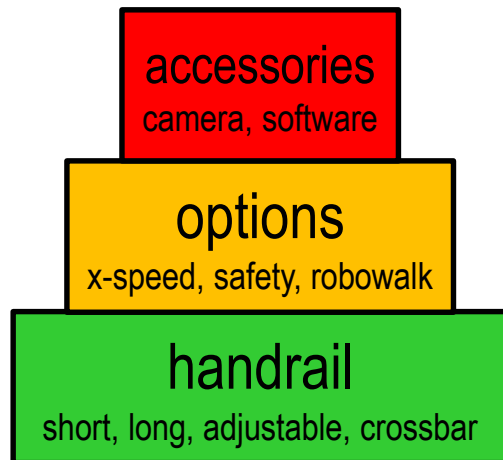
h/p/cosmos®



	saturn 450/300
running surface	450 x 300 cm
speed	0 ... 40 km/h
elevation	-4% ... 25%

customize your treadmill

h/p/cosmos®



further configuration ...

specific targets require specific solutions

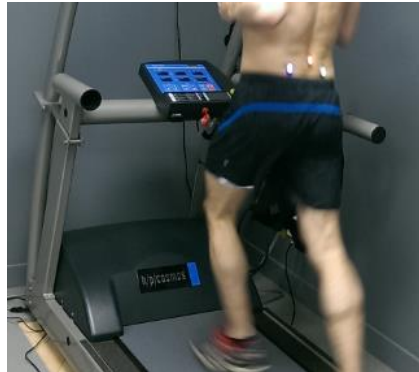
handrails - example pluto



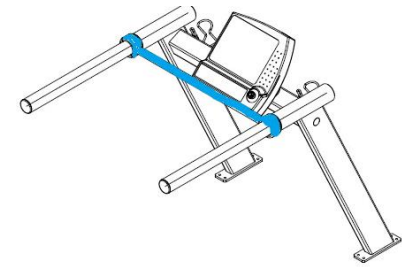
standard



two screws to dismount



crossbar



long



pediatric



adjustable

	pluto	mercury	quasar	pulsar	venus / saturn
standard speed	18 km/h	22 km/h	25 km/h	40 km/h	40 km/h
special speed	22 km/h	30 km/h	30 km/h 40 km/h	25 km/h 45 km/h	50 km/h 60 km/h 80 km/h



safety arch with fall-stop



chest belt



extra wide foot board

ECG / VO₂ / gas analyzer / PC



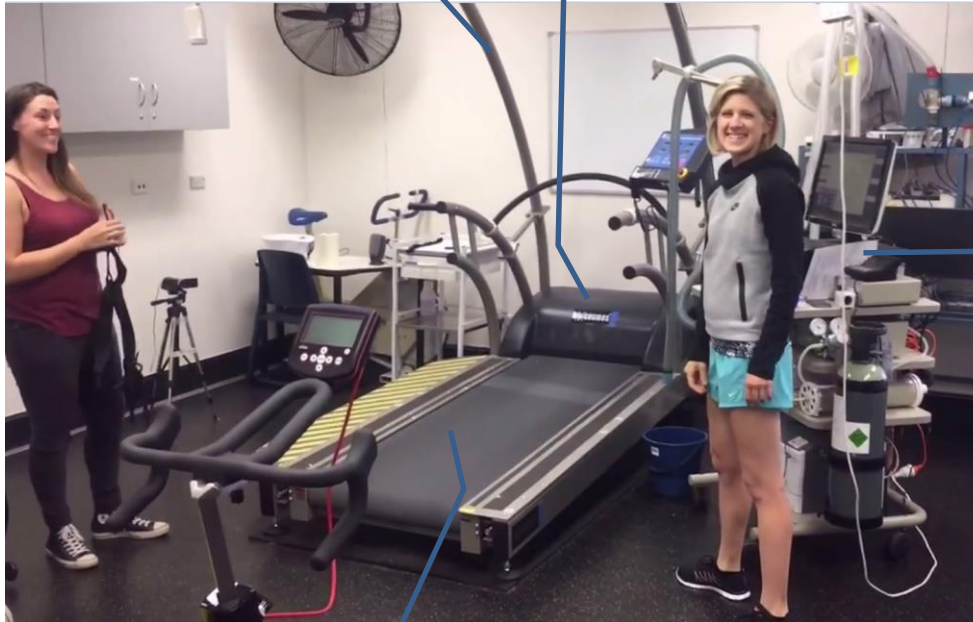
performance diagnostics

h/p/cosmos®

accuracy
durability

speed / acceleration

safety

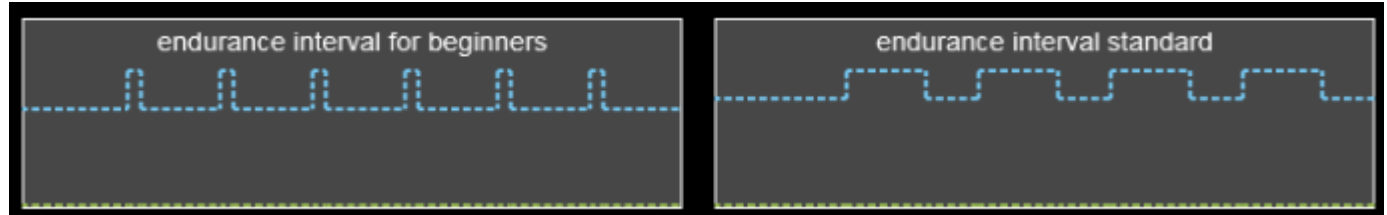


connectivity

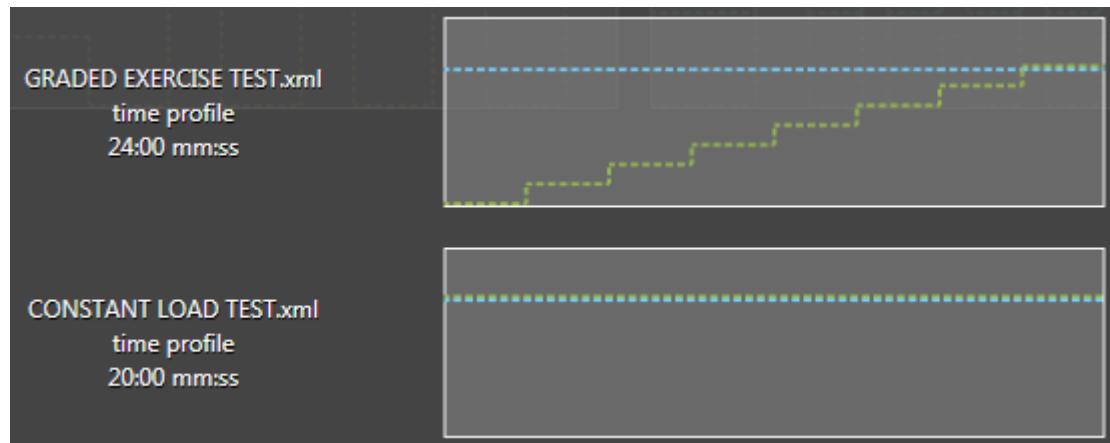
comfortable size

drills and stress tests

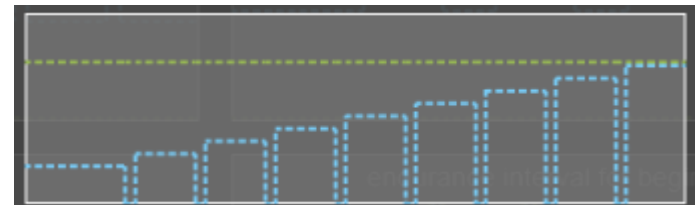
intervals



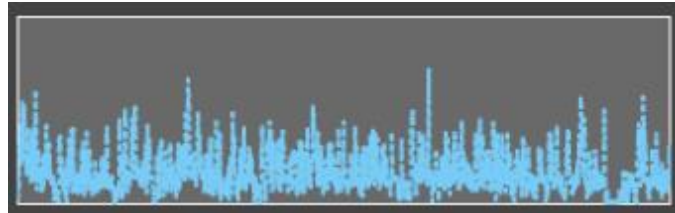
angiology



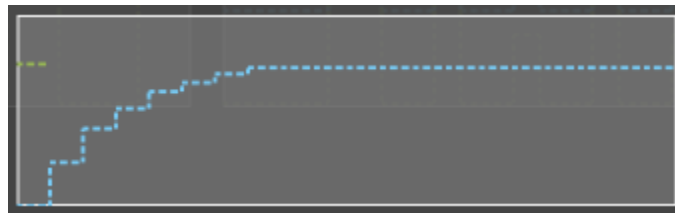
lactate / VO2



specific tests



sports specific



Sensors:
Optogait
pressure distribution Zebris FDM
1D force measurement
3D force measurement

safety



non-reflecting powder coating

reverse

connectivity

treadmill

optogait

Zebris FDM

gaitway 1D3G

gaitway 3D

different systems

technology

sampling rate

resolution

parameters

instrumented treadmills

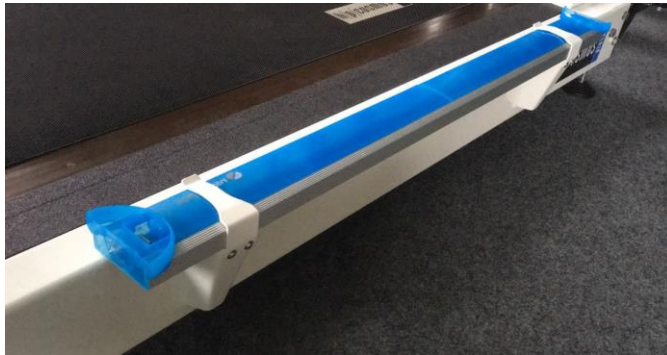
treadmill

optogait

Zebris FDM

gaitway 1D3G

gaitway 3D



instrumented treadmills

h/p/cosmos®

treadmill

optogait

Zebris FDM

gaitway 1D3G

gaitway 3D



instrumented treadmills

h/p/cosmos®

treadmill

optogait

Zebris FDM

gaitway 1D3G

gaitway 3D



coming
soon!

instrumented treadmills

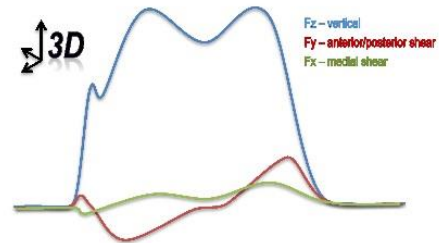
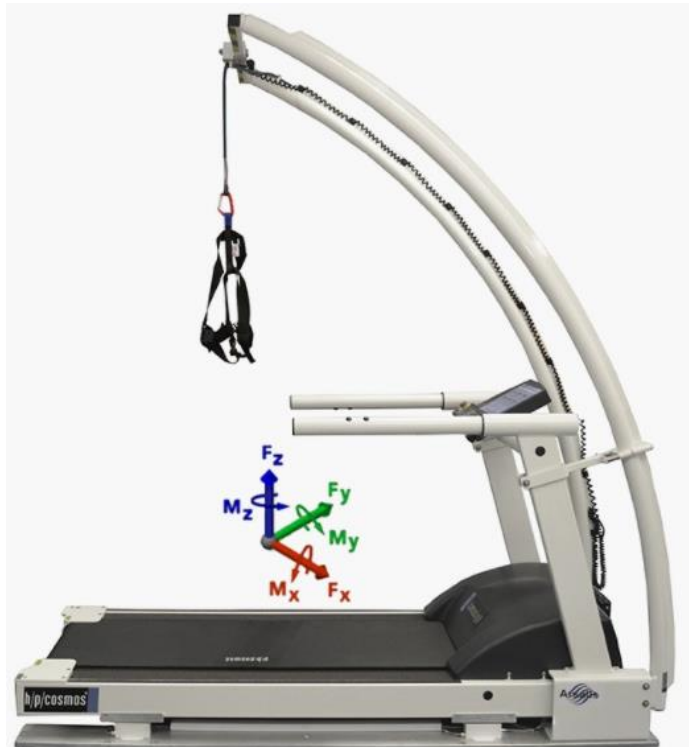
treadmill

optogait

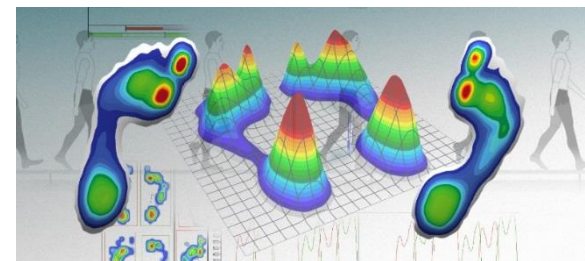
Zebris FDM

gaitway 1D3G

gaitway 3D



3D force measurement



optional: pressure distribution



safety

front limiter

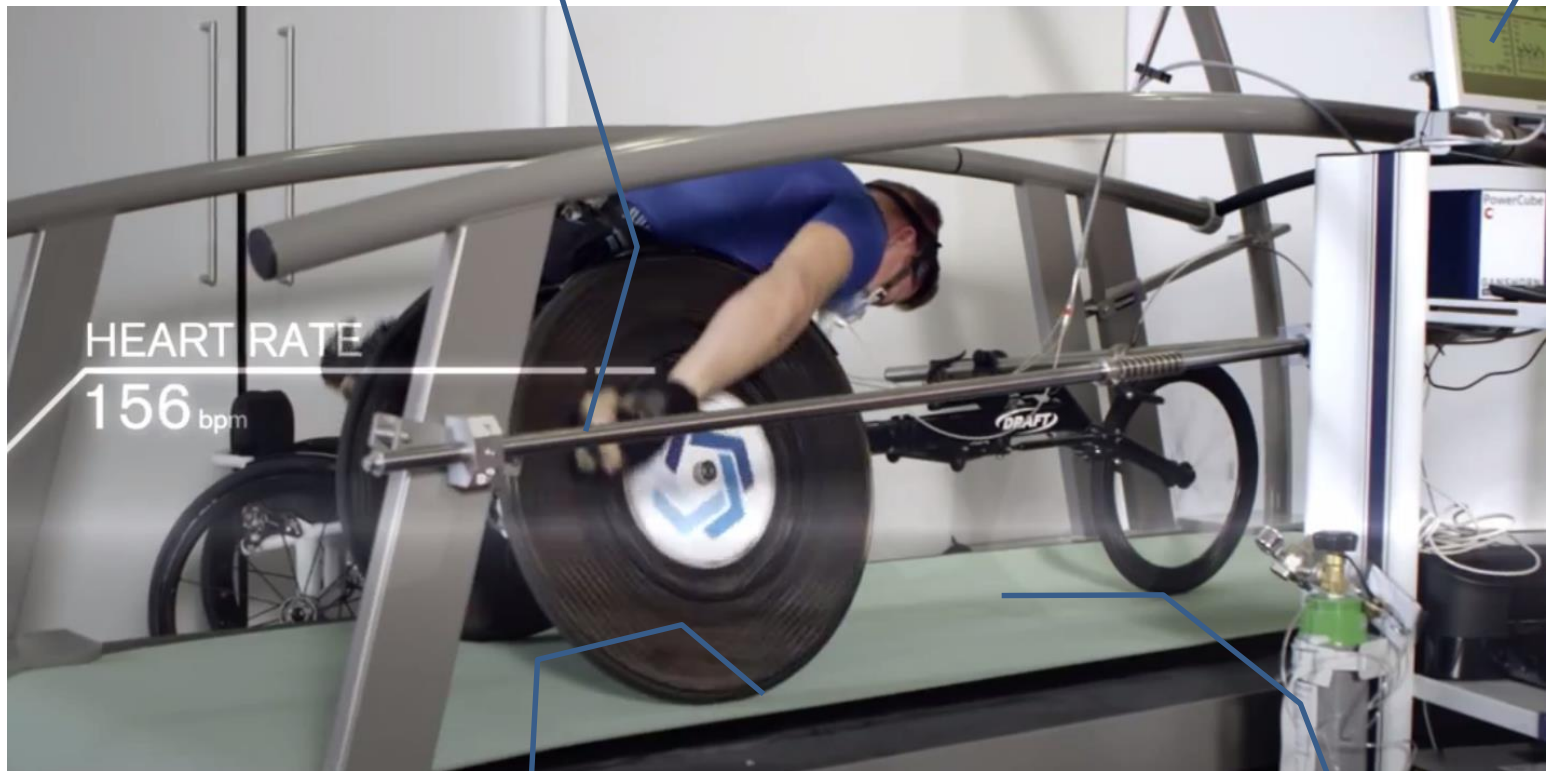
remote
and profile
setup

deck for rolling application

speed 80 km/h

wheelchair
stabilizer

connectivity



ramp

deck for rolling application

speed 40 km/h +



multi purpose treadmill system

powerful for training and performance testing
body-weight-support

rehabilitation („reduced gravity“)

over-speed

fall-stopp built in

short handrail left

jump on and off

excellent view for camera

robowalk expander

rehabilitation tool

athletic tool

Live Demo

further ergometers

h/p/cosmos®



torqualizer ef med 600



torqualizer recumbent ef med 600

further ergometers



torqualizer arm ef med 600



torqualizer stair ef med 600



torqualizer cross ef med 600

discovery- endless ladder

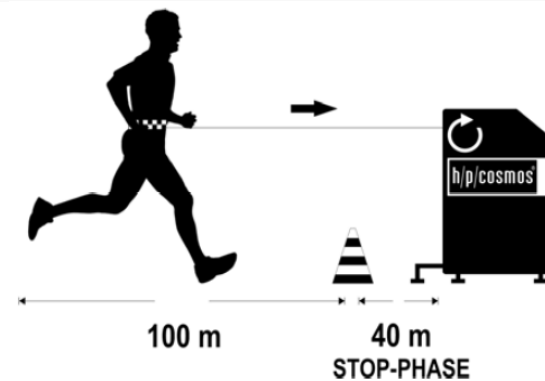
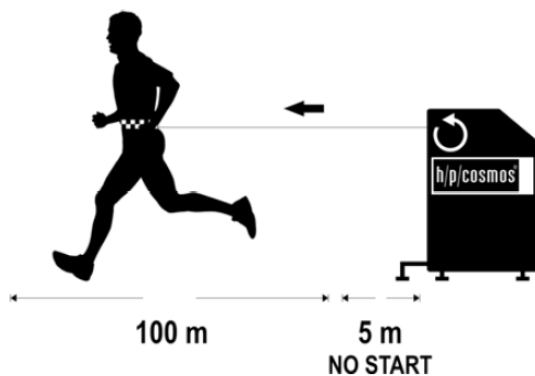
h/p/cosmos®

for athletes and special forces



comet 3p - speed & over-speed

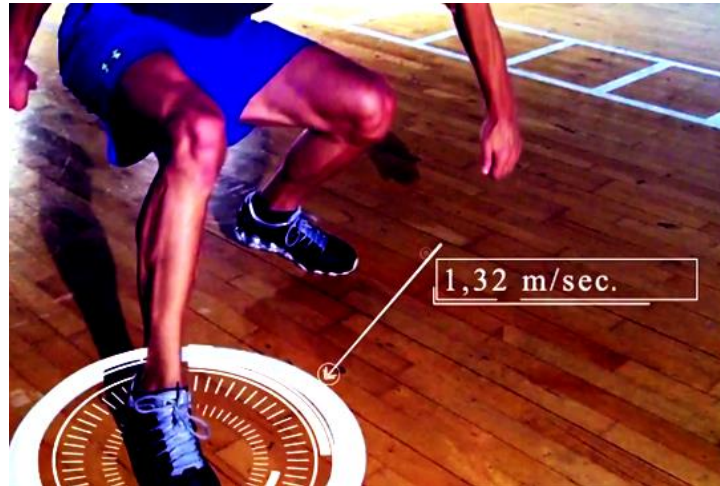
traction resistance and traction support



a new SpeedLab[®] component is born

h/p/cosmos[®]

FIBO 2018



more than helpful...

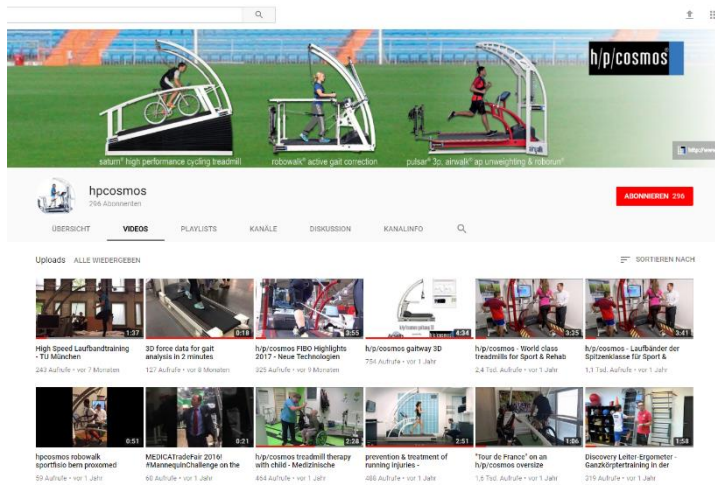
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YouTube

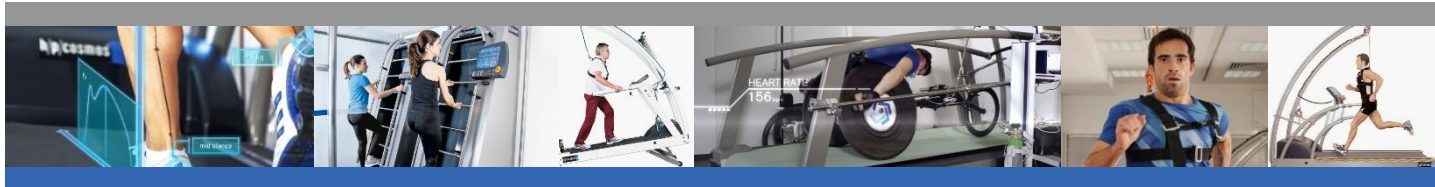
www.youtube.com/user/hpcosmos

facebook

www.facebook.com/hpcosmos



thank you for listening



part 2:
medical application
Dr. Cornelia Schlick
April 24th 2018

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