



EasyRoller

For Airport Security





Metal
Heavy
Magnetic
Corrosive
Metal Detector Alarms

The unique story of EasyRoller

EasyRoller is the first **NON METAL** wheelchair on the market. It is the best choice for institutions where the use of metal inside the wheelchair is not allowed or not desirable. EasyRoller is made of environmentally friendly recyclable thermoplastic.

EasyRoller is unique and will make the user feel comfortable, and will ease the work for assistants and other personnel.

For Airport security: Passengers not carrying any metal objects and using EasyRoller, can easily pass through security controls without any metal detector alarms.

For swimming pool institutions: The users can easily and comfortably take the wheelchair into the swimming pool and the product will resist the chlorine in the water.

For hospitals: Patients can easily be moved through the entire hospital and all the way through the MRI-room without interfering with the MRI equipment.

100%
Thermoplastic





The History of EasyRoller

Year 2000:

Development of EasyRoller 1 started.

Year 2001:

EasyRoller 1 was introduced to the market - and the first units were sold.

Year 2006:

EasyRoller 1 and The entrepreneur Torbjørn Skjæran joined the TV show "Creator - TV2 Skaperen". Volume production and marketing were fully organised and planning of EasyRoller 2 started.

Year 2009:

EasyRoller reorganisation, -established new finance, -established an international market organization.

- And last but not least: Developing the next generation: **EASYROLLER 2**

References

Through the years, a few hundred EasyRoller 1 wheelchairs have been sold to this list of customers:

Airports in Norway: Bodø Airport, Harstad/Narvik Airport, and all regional airports

International airport: Keflavik Int.Airport, Island

Health sector: Most of the institutions using MRI in Scandinavia

Swimming pool: Most of swimming pools with access ramps in Norway and Denmark

EasyRoller 2 Product info

- No metal parts
- No loose parts
- Recyclable plastic
- Wide and comfortable seat area
- Ergonomic form developed in therapeutic professional environment
- Aesthetic design, not an institutional look
- High comfort and stability
- Easy maintenance
- Easy maneuvering
- Approved for users of up to 150 kg
- Approved according to standard EN12183 and ISO 7176



Ergonomic handle

Waterproof padding

Transparent cloth protection

Ergonomic shaped driving ring for better grip

Easy accessible parking brakes to be managed by user or by assistant

Double ball bearings in wheel axle

Tubeless tires

Double ball-bearings in wheel axle and swivel axle for better maneuvering

Easy user access from the side when sliding into seat



Flipable footrest



User - friendly

EasyRoller 2 has a unique design based on timeless furniture design. It has an overall soft shape and padding to protect the user on all human contact areas.

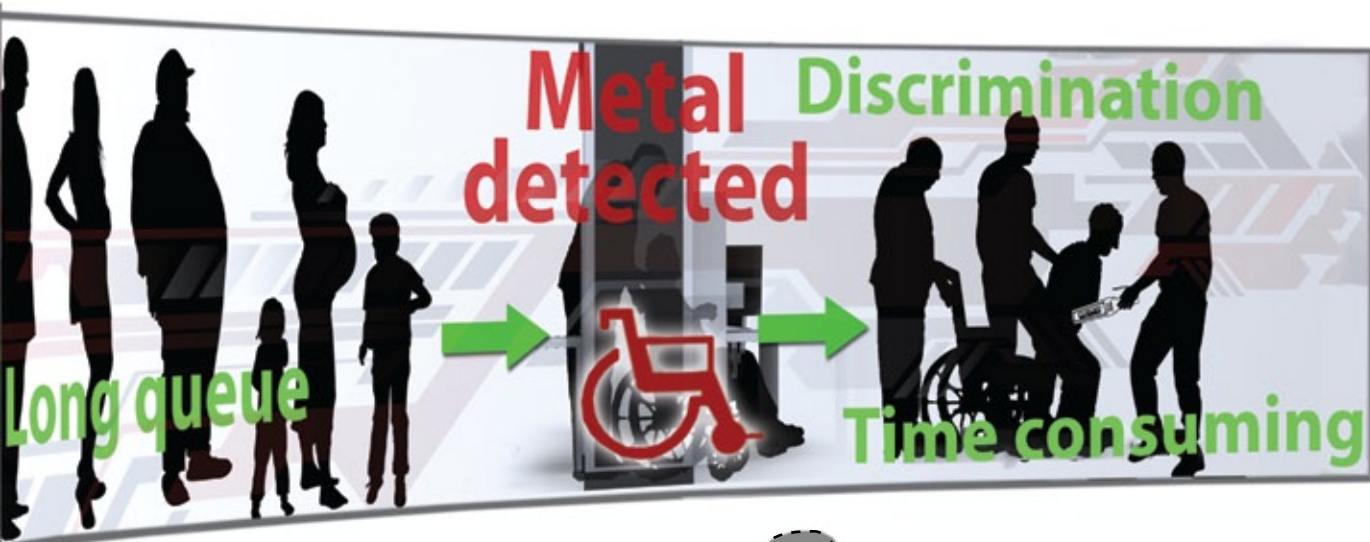
The main goal for the design is to make the product more appealing, preventing the user from feeling uncomfortable and institutionalised.



Traditional wheelchair in steel
- Loose parts often missing when needed

EasyRoller 2
- Always Ready to Go!





Traditional wheelchair

- Metal parts in frame and rims
- Many detachable parts, easy to lose
- Narrow accessibility from the side unless removing parts
- Hard to maintain
- Institutional appearance
- No waterproof padding
- Time-consuming screening



EasyRoller 2 leaves no doubt!





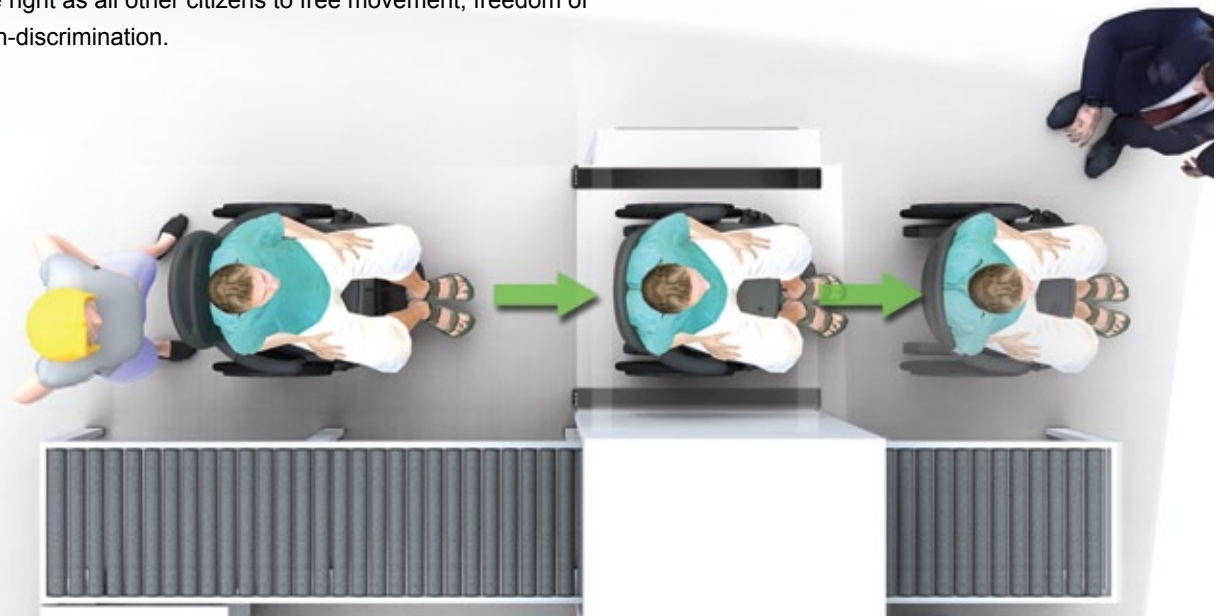
EasyRoller 2

- Allows passengers not carrying metal objects through the security control without any metal detector alarms
- The passenger can be seated through the security control
- No delays and no unnecessary resources



Note:

EasyRoller 2 fulfils the requirements in **EU 1107/2006** about disabled persons and persons with reduced mobility when travelling by air, to have the same right as all other citizens to free movement, freedom of choice and non-discrimination.





Product Data

Materials:

- Rotomolded PE on body and footrest
- PU tubeless tires
- Injection molded Nylon rims
- Injection molded Nylon brake system
- POM and Glass ballbearings in wheels
- EVA water resistant padding

Dimensions:

67x82,5x105cm (Width x length x height)

Weight: 17Kg



EasyRoller 2

The no.1 choice to safeguard civil aviation against acts of unlawful interference



100% thermoplastic
Ready to GO
Use anywhere
No loose parts
No metal detector alarms

EasyRoller 2 Development Team and Process

Torbjørn Skjæran
 EasyRoller

Year
2000 - 2009


Market demand
 force ER1 to upgrade...



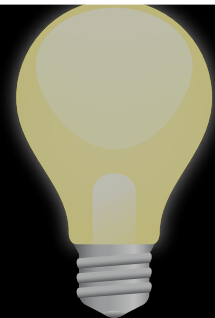

Thoralf Lian
 Kjetil Mørkved
 Mo industriinkubator


Securing the ER2
 pre-project process phase




Terje Rølvåg
 NTNU
 Norwegian University of
 Science and Technology

*"This product
 needs the
 perfect design and
 manufacturing method"*
 Terje Rølvåg





Victor Rosenvinge
 Morten Akre
 EKERDESIGN

Design and development
 of the ER2 pre-project

Anita Dyb
 Allan Andreassen
 Roald Danielsen

Professional Reference Group





Ørjan Didriksen
Svein Clausen
Nils-Petter Svanholm

Establishing capital and
EasyRoller Team

Innovation Norway

Finance and Internationalization



Victor Rosenvinge
Morten Akre
E K E R D E S I G N

Design, Construction and
Mechanical Engineering

Terje Rølvåg
NTNU
Norwegian University of
Science and Technology

Mechanical strength analysis



E K E R D E S I G N

The complete design house

- CONCEPTUAL DESIGN PHASE
- PRODUCT ENGINEERING PHASE
- PROTOTYPING PHASE
- PRODUCT TESTING PHASE
- PRODUCT PRODUCTION PHASE

100% thermoplastic
Ready to GO
Use anywhere
No loose parts



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Made in Norway 