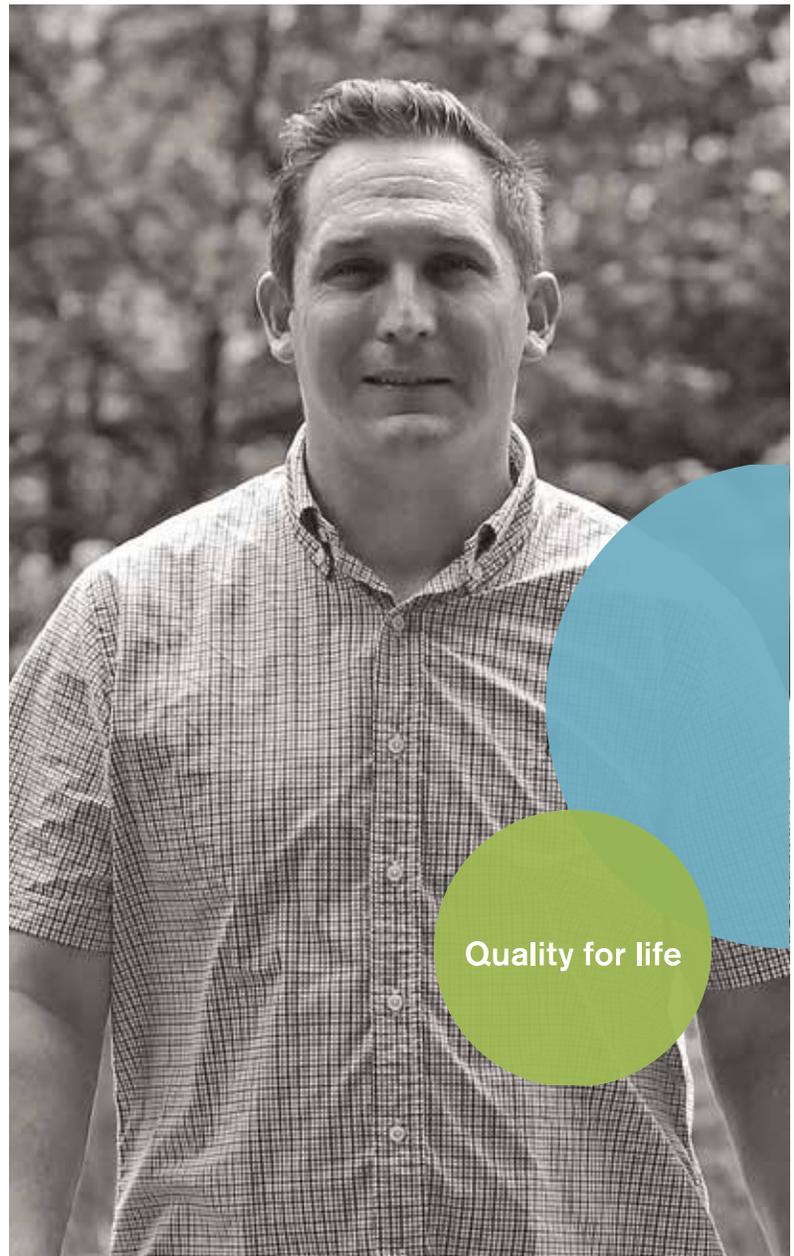
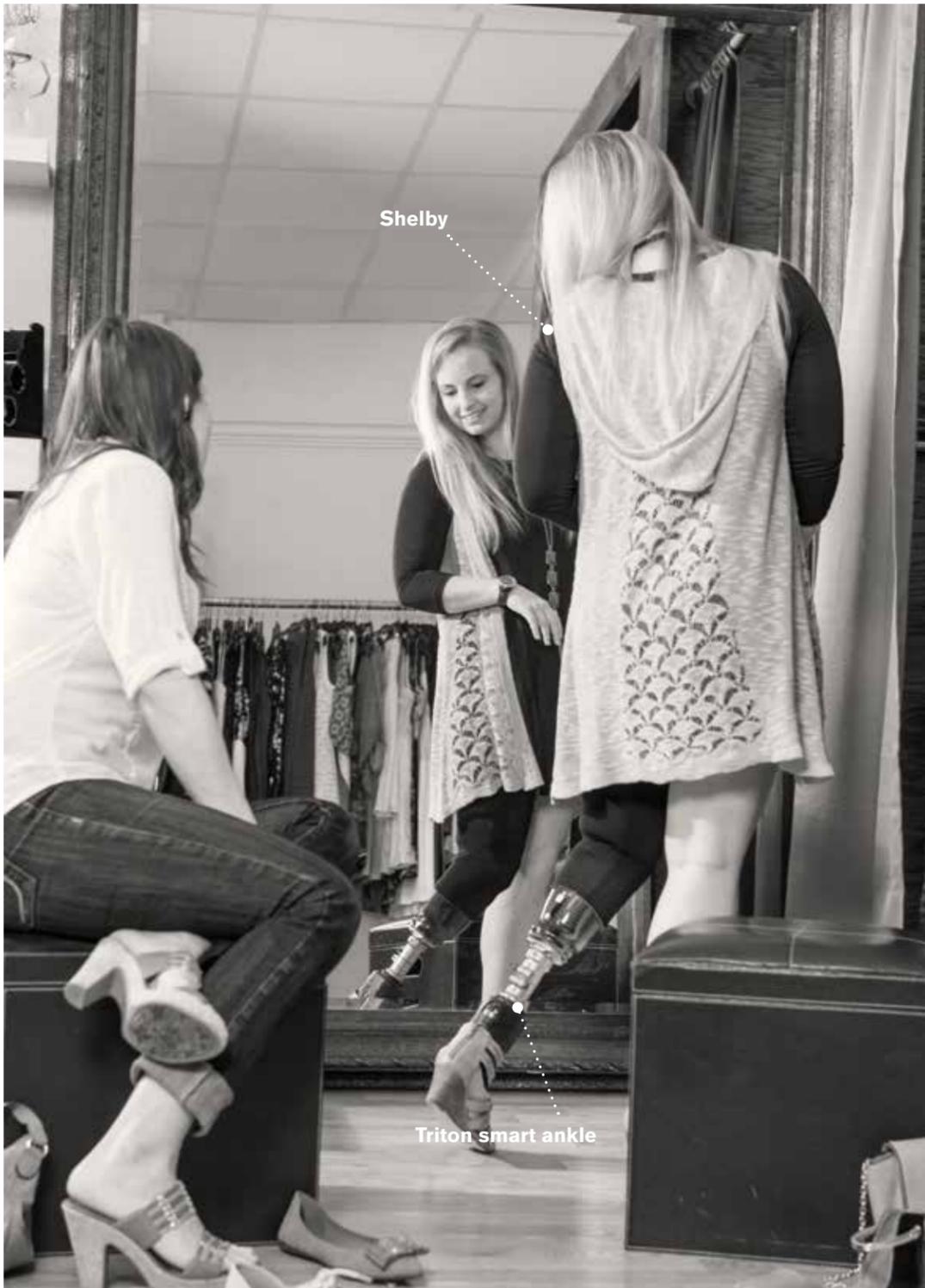


3 people
3 unique lifestyles
3 advanced foot solutions

Reclaim your life





Shelby

Triton smart ankle



Hans

Meridium



Ryan

Empower

Intelligent feet are made for more than just walking

Today's advanced microprocessor controlled foot technology, allows amputees to adopt lifestyles with few restrictions. Prosthetic feet are now able to provide wearers with a wide range of functionalities.

Every individual patient has specific and unique needs when it comes to prosthetic fittings. Ottobock is focused on creating prostheses that mimic natural anatomy and movement as closely as possible. With decades of practical experience in the field of advanced knee solutions, we are able to offer a number of intelligent prosthetic feet. Our technologies offer specific support for each individual user, allowing them to adopt differing speeds, change shoes and adapt to changing terrains and everyday situations.

Help your patients reclaim their lives.



This is Triton® smart ankle

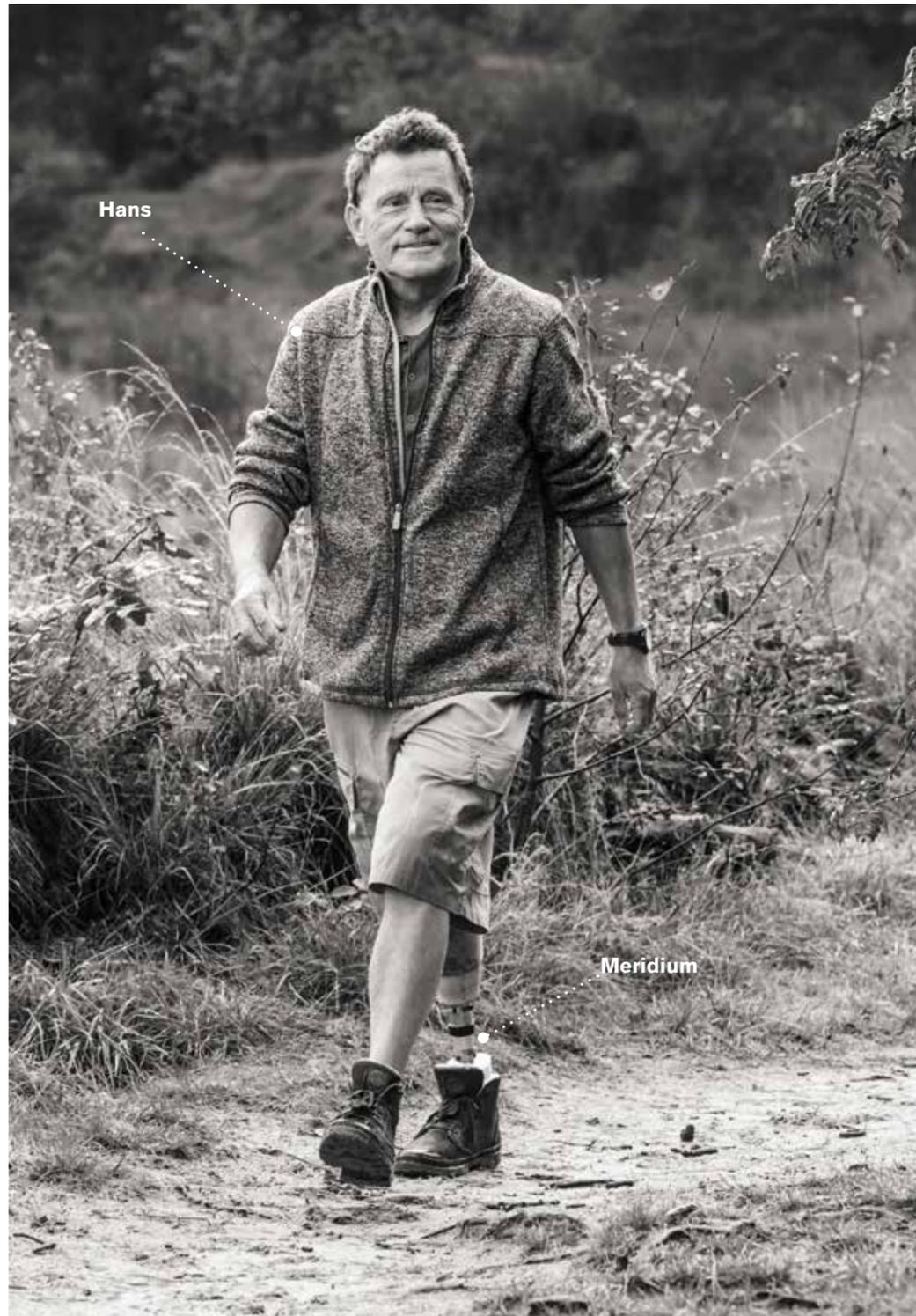
- Triton smart ankle's carbon fiber foot provides dynamic movement and energy return
- The ankle's adaptability can help patients maneuver along ramps and slopes
- It can help relieve strain on the user's residual limb and provide a more natural appearance while sitting
- Heel height is easily adjustable when switching footwear
- Smart energy management enables a battery life of up to four days

12 hours on the job 10 minutes to relax 1 Triton smart ankle

Meet Shelby

- Shelby navigates familiar environments such as her work and city
- Adapting to hills and slopes is important to Shelby, such as pushing patients up and down ramps
- Shelby alternates from moving quickly to sitting for long periods of time
- Changing shoes for different occasions is important to Shelby
- In her active life, she benefits from the additional freedom of being independent from daily charging

Reclaim your choice.



This is Meridium®

- With movement in the ankle, mid-foot, and forefoot, Meridium can help users achieve a more natural gait
- The foot's wide range of motion can help provide more stability on uneven terrain
- Meridium has intuitive stance which senses if the patient stops while on a slope or stairs and blocks flexion until the user is ready to continue
- When descending stairs a secure full foot step contact is possible
- Changing shoes is easy with Meridium thanks to the automatic heel height adjustment

6000 steps 5 different landscapes 1 Meridium

Meet Hans

- Natural foot behavior and an inconspicuous appearance while walking, standing and sitting is very important to Hans
- From urban areas for business to nature in his leisure time: Hans needs his prosthetic foot to adapt to changing environments
- Hans relies on the stability of Meridium while standing on level ground at work or on uneven terrain in the countryside
- When using stairs, he benefits from the adaptability and control Meridium offers him
- The ability to switch between dress shoes or casual shoes is important to Hans

Reclaim your way.



1 strong will 100 percent energy 1 Empower

Meet Ryan

- It is important for Ryan to be active and not become tired during the day
- From time to time he walks longer distances where he requires greater endurance
- Ryan needs to be able to move quickly when life demands it
- He routinely encounters different terrain while doing various activities, including physical work such as carrying or lifting heavy loads
- For Ryan it is important to organize his daily routine carefree with as little pain as possible.

Reclaim your power.

This is Empower

- Empower's powered propulsion emulates lost muscle function for more mobility^{1,2}
- It energizes every step, to walk farther and faster – even up ramps and stairs^{1,6}
- Empower provides balance and stability on variable terrain due to its real-time adaptation³
- It centers alignment to reduce joint forces which can help to reduce pain^{1,2,5,6}
- Naturalized ankle movement to help improve the user's gait⁴ and allow the foot to rest flat while the patient is seated for more natural appearance.

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5. Grabowski A., D'Andrea S. (2013): Effects of a powered ankle-foot prosthesis on kinetic loading of the unaffected leg during level-ground walking, Neuroeng Rehabil., 10:49.

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Advanced prosthetic feet –

at a glance



Triton smart ankle	
Activity level	2/3
Foot Sizes	22-29 cm
User weight limit	220 lbs (100 kg)
Clearance (size 26)	6 in (150 mm)
Adaptation	gradual
Battery life	Up to 4 days
Energy return of carbon foot	✓
Automatic adjustment to ramps	✓
Automatic adaptation to walking speed	✓
Relief function	✓
Heel height adjustment	✓
Adaptation with every step	
Adaptation to even and uneven terrain	
Intuitive stance function	
Increased toe clearance during swing phase	
Stairs function (up or down)	
Powered propulsion on level ground	
Powered propulsion on ramps and stairs up	

Meridium	
Activity level	2/3
Foot Sizes	24-29 cm
User weight limit	275 lbs (125 kg)
Clearance (size 26)	7 in (175 mm)
Adaptation	full real-time
Battery life	1 day
Energy return of carbon foot	
Automatic adjustment to ramps	✓
Automatic adaptation to walking speed	✓
Relief function	✓
Heel height adjustment	✓
Adaptation with every step	✓
Adaptation to even and uneven terrain	✓
Intuitive stance function	✓
Increased toe clearance during swing phase	✓
Stairs function (up or down)	✓
Powered propulsion on level ground	
Powered propulsion on ramps and stairs up	

Empower	
Activity level	3
Foot Sizes	25-30 cm
User weight limit	287 lbs (130 kg)
Clearance (size 26)	8 3/4 in (222 mm)
Adaptation	full real-time, powered
Battery life	8 hours (changeable battery)
Energy return of carbon foot	✓
Automatic adjustment to ramps	✓
Automatic adaptation to walking speed	✓
Relief function	✓
Heel height adjustment	✓
Adaptation with every step	✓
Adaptation to even and uneven terrain	✓
Intuitive stance function	
Increased toe clearance during swing phase	
Stairs function (up or down)	✓
Powered propulsion on level ground	✓
Powered propulsion on ramps and stairs up	✓

Tip: 

A great combination possibility for our microprocessor controlled feet is the active vacuum socket solution DVS.

The DVS - Dynamic Vacuum reduces the perceived weight of the prosthesis due to the strong suspension and its intimate fit to the residual limb. Combining all of this with the ease of fitting makes the DVS a very suitable solution with an advanced prosthetic foot.

One for every user

As well as offering the dynamics of a carbon fiber foot, Triton smart ankle helps wearers easily maintain control of their movements through heel heights adjustment and its easy adaptation to ramps and slopes.

Meridium instantly adapts to various terrains in real-time, enabling users to sit, walk and stand naturally while providing stability and safety no matter what unexpected environmental challenges the wearer faces.

With its powered propulsion, Empower provides the support to keep your patients mobile and productive during the whole day, by reducing physical stress and strain especially on the wearer's back and joints.



