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Oticon's Inium Products

Personalization for Everyone

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Presentation Overview

- Oticon Philosophy
- Platform
- Core features
- Alta
- Nera
- Ria
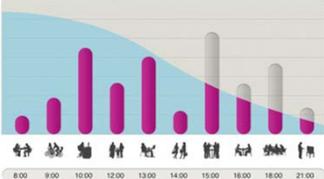- Sensei
- ConnectLine

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Oticon's Audiological Philosophy

Energy to live your life ▸▸

3 individualized approach makes the most of each user's characteristics and preferences

1   2

1 IMPROVED PERFORMANCE
2 REDUCED LISTENING EFFORT
3 IMPROVED PERSONALIZATION

Improve Client Satisfaction

4

IMPROVED CLIENT SATISFACTION

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Improved Performance in Difficult Situations

5

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Reduced Listening Effort – Improving the Ability to Perform All Day

6

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Improved Personalization – to Meet Your Client's Hearing Needs and Preferences
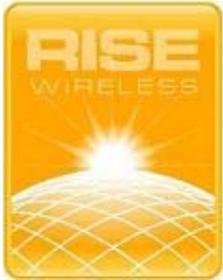
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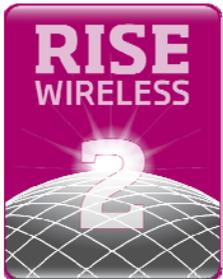**Quad-core** signal processing power

INIUM WIRELESS

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Benefits of Inium Performance Line families

	IMPROVED **PERFORMANCE**	REDUCED **LISTENING EFFORT**	IMPROVED **PERSONALISATION**
Alta	Highest level of speech understand in complex listening environments Highest ability to localise sound Highest level of personalisation – 5 profiles with 15 personalisation steps Reduced listening effort		
Nera	High ability to localise Reduced level of speech understanding in complex listening environments 3 profiles with 7 personalisation steps Reduced listening effort		
Ria	Good and automatic support in complex sound situations Reduced localisation abilities and level of speech understanding in complex listening environments 1 profiles with 3 personalisation steps Reduced listening effort		

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Audiological delivery of Inium Performance Line families

	Improved Performance	Reduced Listening Effort	Improved Personalisation
Alta	Speech Guard E Spatial Noise Management 10kHz bandwidth Spatial Sound Premium Free Focus Premium 10 channels	Speech Guard E Spatial Sound Premium Inium feedback shield	YouMatic Premium 5 personal profiles
Nera	Spatial Sound Advanced Free Focus Advanced 8kHz bandwidth 8 channels	Spatial Sound Advanced Inium feedback shield	YouMatic Advanced 3 personal profiles
Ria	Free Focus Essential 8kHz bandwidth 6 channels	Free Focus Essential Inium feedback shield	YouMatic Essential 1 personal profile

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Inium Platform
– the core of our performance offerings

ALTA
NERA
RIA

Oticon's Updated Product Portfolio

	PERFORMANCE	DESIGN	POWER	PEDIATRICS
PREMIUM	Alta			
ADVANCED	Nera	Intiga	Chili	Sensei
ESSENTIAL	Ria			
CONNECTIVITY	ConnectLine			
FM	Amigo			

Core features of Alta

1. Speech Guard E
2. Free Focus Premium
3. Spatial Sound Premium - BNM
4. Inium feedback shield
5. YouMatic Premium

Core Feature   Speech Guard E

Preserving the full speech
envelope with Speech Guard E

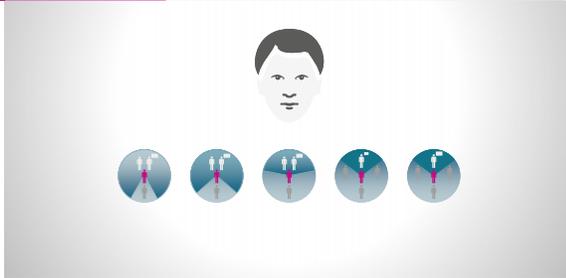**Speech Guard E**
Preserving the details of the speech envelope

Difference
Speech Guard vs.
Speech Guard E

| Conv. Compression | Speech Guard | Speech Guard E | Original signal |

Correlations:
Original input envelope to processed envelope

Signal	Level	Input-FA	Input-SG	Input-SG E
Two Voices	72 dB SPL	.70	.87	.93
Speech in Impulse	72 dB SPL	.64	.86	.90

Core feature — **Free Focus**

Free Focus Modes

Core feature — **Spatial Sound**
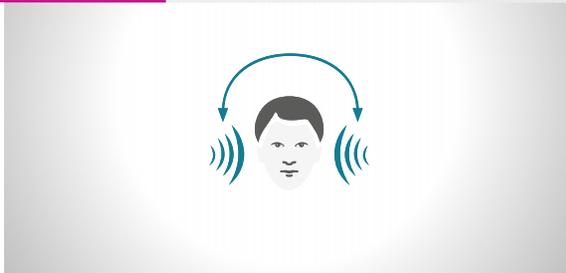
Spatial Sound Premium
    - Binaural Noise Management

Less
Likely
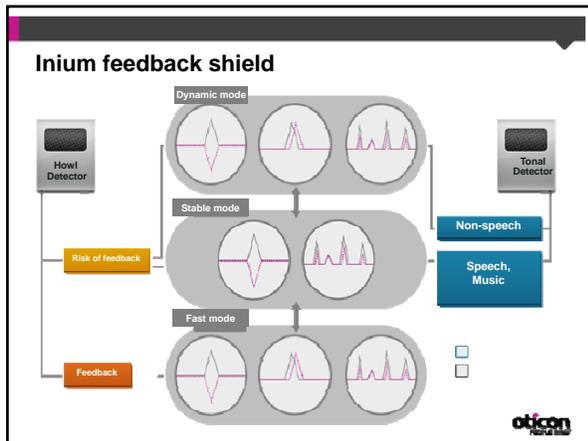
More
Likely

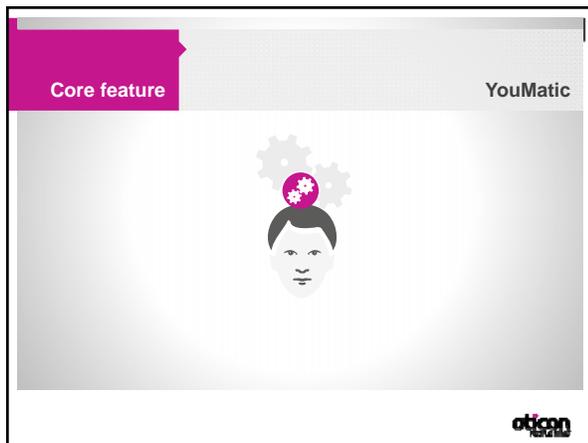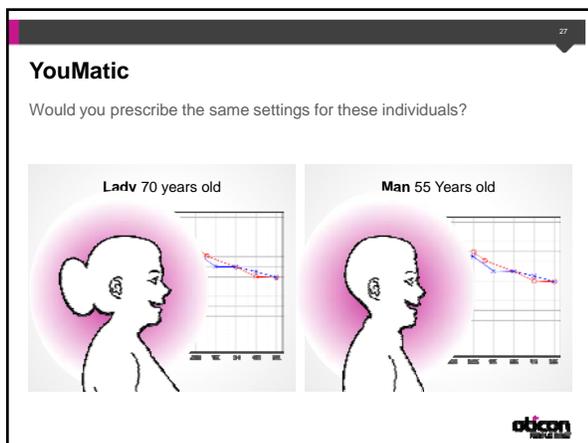**Core feature**   **Inium feedback shield**

Inium feedback shield

Greater comfort, **fewer interruptions!**
Significantly reduces feedback in difficult situations, with
optimized audibility, sound quality and comfort.

Inium feedback shield

Dynamic mode

Howl
Detector

Tonal
Detector

Stable mode

Risk of feedback

Non-speech

Speech,
Music

Fast mode

Feedback

Core feature

YouMatic

YouMatic

Would you prescribe the same settings for these individuals?

Lady 70 years old

Man 55 Years old

YouMatic

Would you prescribe the same settings for these individuals?

Lady 70 years old

Lady 70 years old
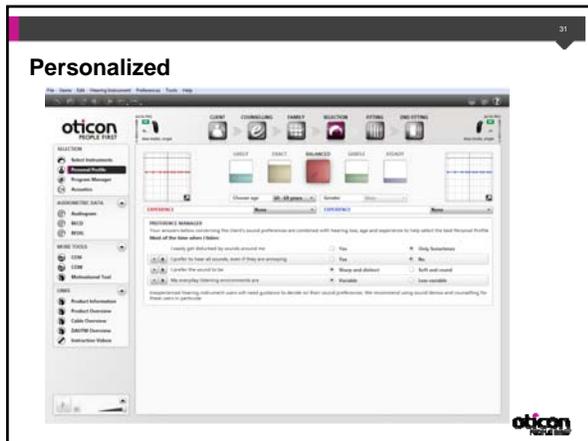

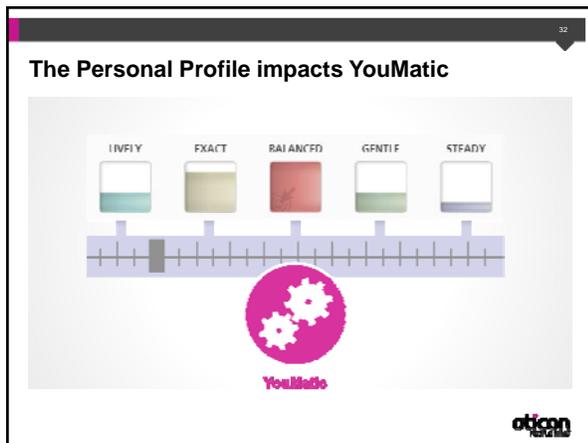**Traditional fitting process**

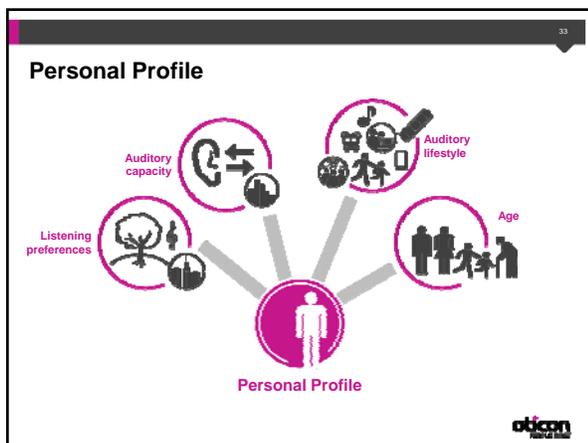**Measure** ➡ **Predict** ➡ **Fit** ➡ **(Fix)**

Personalisation fitting process

Measure ➡ **Predict** ➡ **Initial Fitting** ➡ **Optimized Fitting**

Personalized

The Personal Profile impacts YouMatic

Personal Profile

YouMatic Premium

Analogy
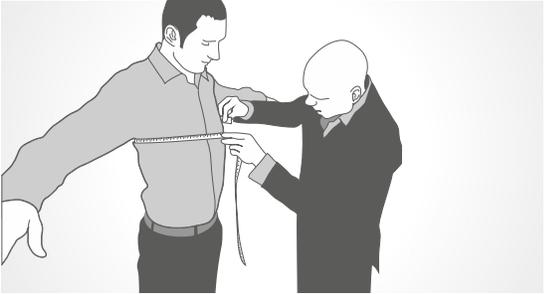
Core features of Nera
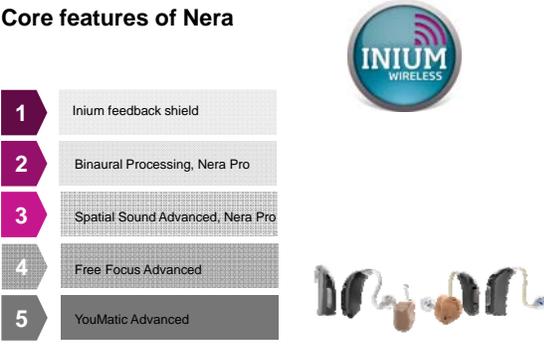
1 Inium feedback shield

2 Binaural Processing, Nera Pro

3 Spatial Sound Advanced, Nera Pro
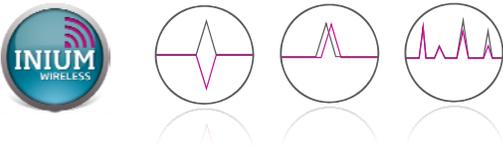
4 Free Focus Advanced

5 YouMatic Advanced

Inium feedback shield

Greater comfort, **fewer interruptions!**
Significantly reduces feedback in difficult situations, with
optimized audibility, sound quality and comfort.

Binaural processing with Spatial Sound Advanced in Nera Pro

Helps convey more of the natural characteristics of a physical environment and the origin of sounds within it.

▸ 8 Khz bandwidth
▸ Binaural processing
▸ Open fittings

Free Focus Advanced

▸ Helps patients have the freedom to focus on sounds most important to them without negatively impacting comfort and audibility.
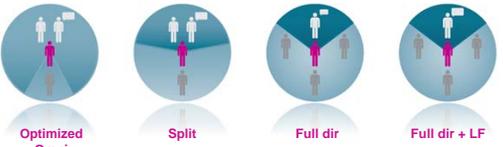
Optimized Omni | Split | Full dir | Full dir + LF

YouMatic Advanced

4 Core Features of Ria

1	Binaural Synchronization
2	Inium feedback shield
3	Free Focus Essential
4	YouMatic Essential

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Binaural Synchronization in Ria Pro

Helps create a more balanced listening experience with improved speech understanding, even in noisy situations.

▸ Modulation-based Noise Management

▸ Single-band Directionality

▸ Binaural Coordination

Inium feedback shield

Greater comfort, **fewer interruptions!**
Significantly reduces feedback in difficult situations, with
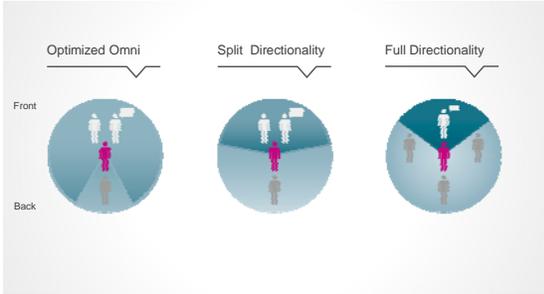**optimized audibility, sound quality and comfort.**
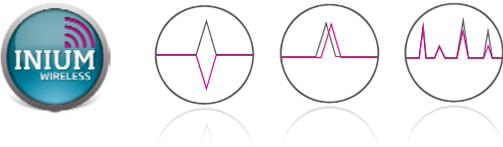
Free Focus Essential

Optimized Omni   Split Directionality   Full Directionality
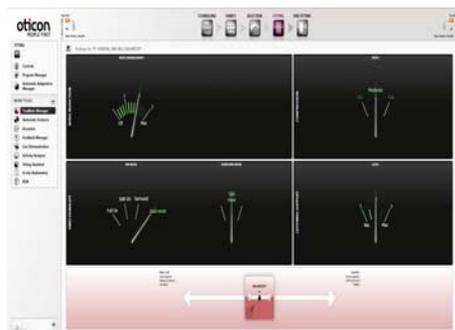
Front

Back

YouMatic Essential

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How Do We **Differentiate** Personalization?

Available in all Inium Performance Line Families

		Personal Profiles	YouMatic	Personalization Steps
Alta	Premium	5	Lively, Exact, Balanced, Gentle, Steady	15
Nera	Advanced	3	Exact, Balanced, Gentle	7
Ria	Essential	1	Balanced	3

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Inium Performance Line Feature Comparison

Features	Alta Pro	Alta	Nera Pro	Nera	Ria Pro	Ria
Minimum Software Required	Genie 2013.1	Genie 2013.1	Genie 2013.2	Genie 2013.2	2014.1	2014.1
Custom Styles: CIC through Full Shell*	Yes	Yes	Yes	Yes	Yes	Yes
BTE Styles: miniRITE, RITE, miniBTE, BTE13, BTE13P	Yes	Yes	Yes	Yes	Yes	Yes
Binaural Processing (compression)	Yes (Premium)	No	Yes (Advanced)	No	No	No
Binaural Synchronization (automatics)	Yes	Yes	Yes	Yes	Yes	Yes
Binaural Coordination (VC & Programs)	Yes	Yes	Yes	Yes	Yes	No
Speech Guard E	Yes	Yes	No	No	No	No
YouMatic	Yes (Premium)	Yes (Premium)	Yes (Advanced)	Yes (Advanced)	Yes (Essential)	Yes (Essential)
Free Focus	Yes (Premium)	Yes (Premium)	Yes (Advanced)	Yes (Advanced)	Yes (Essential)	Yes (Essential)
Automatic Directionality	Multi-band Adaptive	Multi-band Adaptive	Multi-band Adaptive	Single Band Adaptive	Single Band Adaptive	Single Band Adaptive
Inium feedback shield	Yes	Yes	Yes	Yes	Yes	Yes
Spatial Sound	Yes (Premium)	No	Yes (Advanced)	No	No	No
Binaural Noise Management	Yes	No	No	No	No	No
Personal Profiles	5	5	3	3	1	1
Noise Management	Binaural (TriState)	Binaural (TriState)	Binaural (TriState)	Binaural (Modulation-based)	Modulation-based	Modulation-based
ConnectLine Compatible**	Yes	Yes	Yes	Yes	Yes	Yes
Power Bass (streaming)	Yes	Yes	Yes	Yes	No	No
Music Widening (streaming)	Yes	Yes	Yes	Yes	No	No
Fitting Bandwidth (screened in software)	10 kHz	10 kHz	8 kHz	8 kHz	8 kHz	8 kHz
Channels	10	10	8	6	6	4
Activity Analyzer (Data Logging)	Yes	Yes	Yes	Yes	Yes	Yes
Life Learning	Yes	Yes	Yes	Yes	No	No
Number of Programs	4	4	4	4	4	4
Fitting Rationales	VAC, NAL, DSL	VAC, NAL, DSL	NAL, DSL	NAL, DSL	NAL, DSL	NAL, DSL

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Inium Performance Line Comparison

Important features

	ALTA	NERA	RIA
Speech Guard E	•		
Binaural Noise Management	•		
Spatial Sound	Premium	Advanced	
Binaural Synchronization	•	•	•
YouMatic	Premium	Advanced	Essential
Free Focus	Premium	Advanced	Essential
Inium feedback shield	•	•	•
Fitting Bandwidth	10 kHz	8 kHz	8 kHz

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Born to perform

IP57

All our behind-the-ear hearing solutions have been awarded IP57 classification

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Oticon Product Portfolio

	PERFORMANCE	DESIGN	POWER	PEDIATRICS
PREMIUM	Alta			
ADVANCED	Nera	Intiga	Chili	Sensei
ESSENTIAL	Ria			
CONNECTIVITY	ConnectLine			
FM	Amigo			

Oticon Sensei   **Core Features**

1. Speech Guard E
2. Inium feedback shield
3. SmartFit™ Trainer
4. EasyRECD™
5. VoicePriority i ™
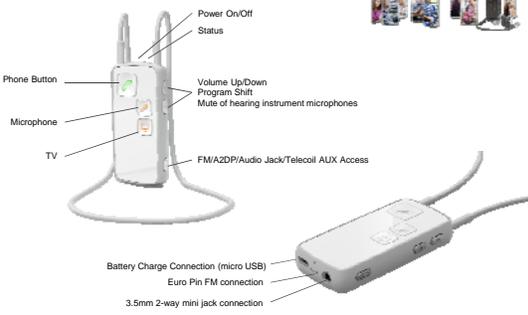6. ConnectLine

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More opportunities to stay connected

The ConnectLine system

Streamer Pro		Music	
Landline phone		Computer	
Mobile		Microphone	
Office phone		T-coil	
TV		FM	

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Streamer Pro

- Power On/Off
- Status
- Phone Button
- Volume Up/Down
- Program Shift
- Mute of hearing instrument microphones
- Microphone
- TV
- FM/A2DP/Audio Jack/Telecoil AUX Access
- Battery Charge Connection (micro USB)
- Euro Pin FM connection
- 3.5mm 2-way mini jack connection

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The ConnectLine System
More opportunities **to stay connected**

- Remote (volume, mute and programme shift)
- Phone adapter – 30 metre range
- Wireless gateway for office phone solution
- Improved mobile phone compatibility
- Wide band speech
- Office phone solution (Sennheiser interface box)
- Wireless office headset with new PA 2.0
- New TV adapter 2.0
- Digital stereo and Dolby Digital
- Recommended and tested Bluetooth dongle solution (headphone profile)
- Recommended and tested Bluetooth dongle solution (headset profile)
- Wide band speech (VOIP)
- 3.5mm mini jack
- Wired connection for plug and play headset
- Microphone 1.2 with wide band speech
- Dedicated microphone button on Streamer Pro
- Build in tele-coil
- Europin connector for FM receiver

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Oticon's Inium Products

Personalization for Everyone

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