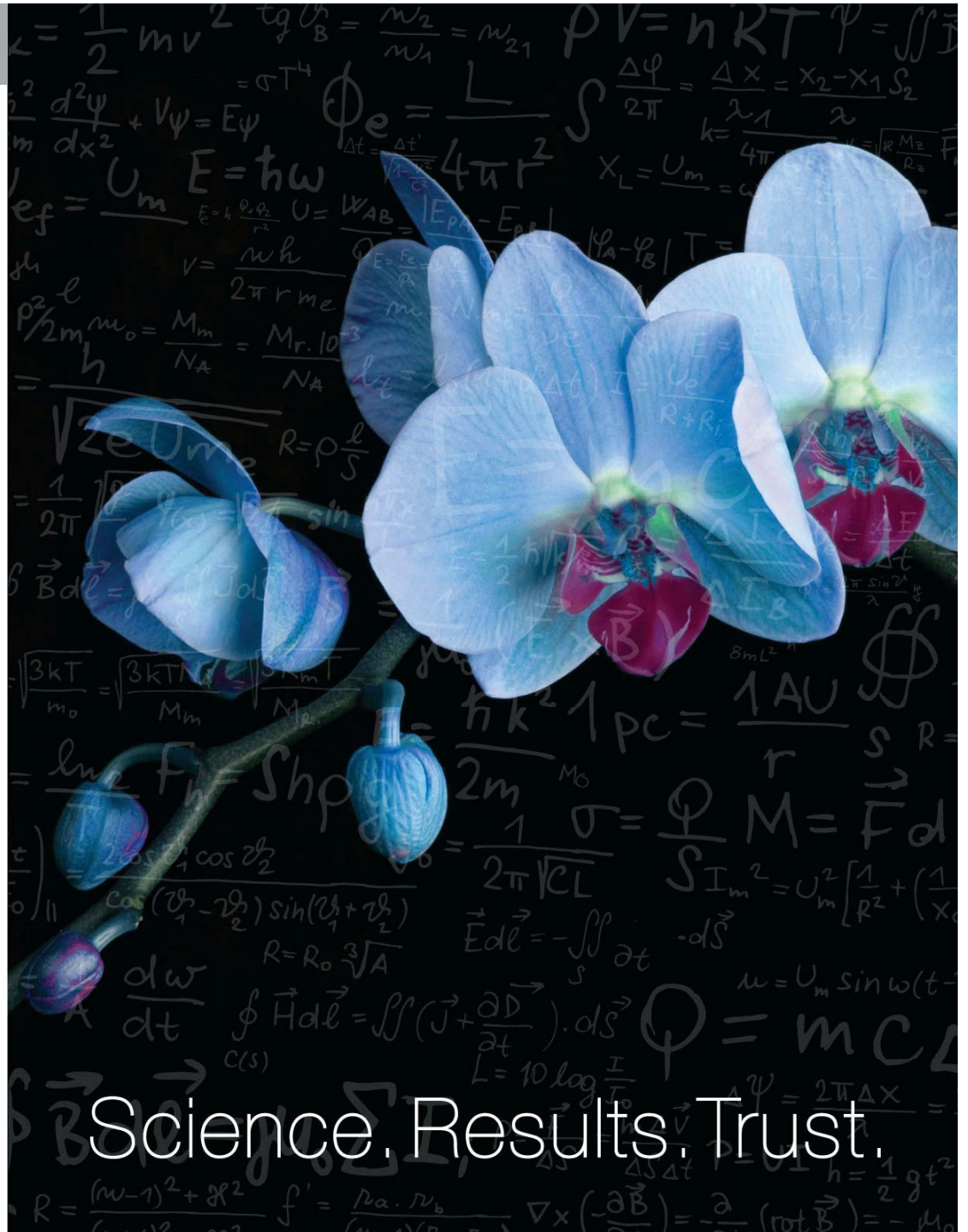


Syneron Medical Ltd.
Investor Presentation
November 2011



Science, Results, Trust.



Safe Harbor For Forward Looking Statements

Any statements contained in this document regarding future expectations, beliefs, goals, plans or prospects constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Further, any statements that are not statements of historical fact (including statements containing "believes," "anticipates," "plans," "expects," "may," "will," "would," "intends," "estimates" and similar expressions) should also be considered to be forward-looking statements. There are a number of important factors that could cause actual results or events to differ materially from those indicated by such forward-looking statements, including the risks set forth in Syneron Medical Ltd.'s most recent Annual Report on Form 20-F, and the other factors described in the filings that Syneron Medical Ltd. makes with the SEC from time to time. If one or more of these factors materialize, or if any underlying assumptions prove incorrect, Syneron Medical Ltd.'s actual results, performance or achievements may vary materially from any future results, performance or achievements expressed or implied by these forward-looking statements.



Investment Highlights

Global leader in aesthetic devices with 40% world-wide market share¹

Platform aesthetic company with largest worldwide sales, distribution and service network across 90 countries

Comprehensive and diverse product portfolio with leadership position in largest and fastest growing markets

Differentiated by product innovation, customer relationships and strong clinical data

~\$221 million revenue² (32% recurring³); \$177 million in cash (no debt)⁴; significant tax advantages

1 – Based on US publicly traded companies listed here (SLTM, CYNO, PMTI, CUTR); Does not include: recently public ZLTQ, privately held companies, home use companies, dental companies, aesthetic topicals/ cosmeceuticals companies, foreign-exchange listed companies, etc.

2 – Trailing twelve month revenue

3 – Based on 3Q 2011 results in PAD segment

4 – September 30, 2011 Balance Sheet; includes \$31M Settlement payment to Palomar for Hair Removal Patent Lawsuit



Leading Aesthetic Industry

Applying technology, infrastructure and expertise to drive leadership in all aesthetic categories

Professional Aesthetic Devices

- Established brand reputations and proven clinical efficacy
- Leveraging infrastructure and customer base
- High growth in select markets
- Strong cross-selling opportunities

Emerging Business Units

- Home Use Devices (HUD) and skin whitening topical – new, high growth markets
- Increasing consumer demand
- Leverages professional device technology and expertise
- High margin, recurring revenue

Superior Science – Core Technologies

Electro-Optical Synergy (elōs)

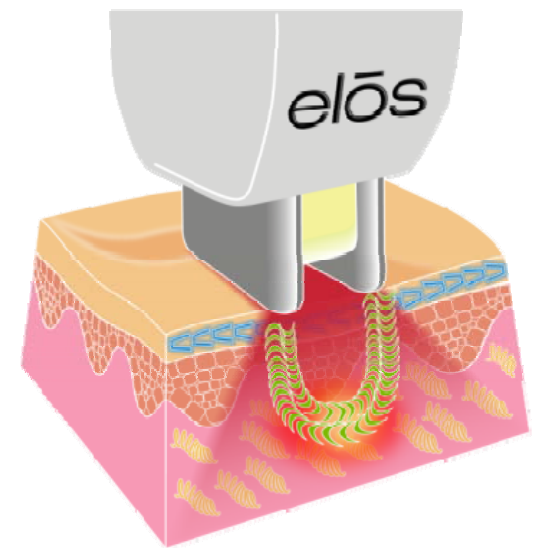
- Proprietary technology – first and only combination of bi-polar radio frequency (RF) and optical energy (laser or light)
- Provides safe, controllable energy with enhanced penetration
- Safe for all skin types with no additional risk to the epidermis
- Optimal home-use profile

Candela Lasers

- 40 years of innovation leadership
- Best-in-class products

Additional Core Competencies:

- Radio Frequency
- Intense Pulsed Light
- Ultrasound
- LED (Tända)
- Skin Lightening (elure)
- Teeth Whitening (Fluorinex)





Delivering Enhanced Value to the Customer

- Differentiated products with clinically validated efficacy
 - 75+ patents granted with 150 pending
 - 50+ clinical studies, publications, and presentations in 2010
 - Strong credibility with thought-leaders
 - Continue acquiring innovative technologies
- Address key customer and patient demands to drive procedure volume
- Superior global customer service and product support
- Leveraging technology in Professional and Emerging Aesthetic Device markets

Syneronadvantage™

Syneron™




6



 CANDELA®

Positioned to Outgrow the Industry

- Strongest industry position in largest and fastest growing Professional Aesthetic Device market segments – #1 or #2 position in each market segment
- Complementary products for dermatologists, plastic surgeons and non-core customers

| Procedure | 2013 (projected volume) | CAGR (2008 - 2013) | Syneron / Candela Products |
|------------------------------|-------------------------------|-----------------------|---|
| Fractional Skin Rejuvenation | 3,567,000 | 15.8% |  |
| Skin Rejuvenation | 2,889,000 | 8.5% | |
| Cellulite Reduction | 1,784,000 | 19.5% |  |
| Hair Removal | 9,365,000 | 13.0% |  |
| Skin Tightening | 1,226,000 | 21.8% | |
| Vascular Lesion Removal | 1,003,000 | 9.4% | |
| Pigment Lesion Removal | 892,000 | 10.2% | |
| Tattoo Removal | 669,000 | 12.8% | |

Pioneering New Treatment Categories

- Clinically proven efficacy with high patient satisfaction with less downtime
- New price point that can be combined with other treatments
- Expands revenue opportunities for physicians
- Growth opportunities with high margin recurring revenue

eMatrix: Sublative Rejuvenation

- For reduction in wrinkles, acne, and scars
- A safer & more effective fractional alternative specifically for ethnic skin
- Little to no patient downtime & consistent results



ePrime

- Minimally invasive, non-surgical RF aesthetic device for treatment of skin tone, laxity & volume
- Unique solution to increasing skin thickness
- Builds full skin structure of both collagen and elastin



eTwo – Complete Facial Rejuvenation

- Next evolution in the eMatrix platform – Combines unique Sublime™ and Sublative™ applications
- Lightweight, compact, multi-applicator platform that easily transports between practice locations
- Minimal epidermal disruption, maximum dermal impact.
- Safe and effective for all skin types
- Features the new Sublative iDs - Intelligently designed re-connectable tips maximize treatment options and results
- Launched worldwide in October 2011

eTwo



eLase – Next Generation Laser Hair Removal System

- New Motif LHR™ applicator that enables high frequency, low energy mode for “virtually pain free” laser hair removal
- Reduced treatment times for all ages, all skin types and the widest variety of hair types
- Optional Motif IR™ applicator for fractional skin rejuvenation procedures
- Launched in November 2011 for the International market



eLase™
with Motif™

Syneron™

CANDELA®

Best-in-Class Product Portfolio

VelaShape™

VelaShape II™

Velasmoothpro™

GentleLASE™ PRO

- VelaShape – Clear leader in non invasive body shaping and cellulite treatment
 - 3.5 million+ procedures performed
 - Installed base: 7,000 units worldwide
 - 40,000 Website hits per month
- New products feature per procedure disposables
- Physician leverage through VelaShape treatment bundle
 - Improves results as adjunct to every competitive modality
- Fastest, most effective hair removal for all skin types
- Patented Dynamic Cooling Device (DCD) produces consistent, reproducible epidermal cooling
- Multiple pulse duration for increased treatment flexibility for multiple spot sizes



Unmatched Global Footprint & Distribution



- ★ Syneron Corporate HQ
- ▲ Syneron North America HQ (Irvine, CA)
- Candela HQ (Wayland, MA)
- ◆ Syneron Regional HQ (Toronto Canada / Hong Kong)
- Direct International Sales (Australia, Canada, France, Germany, Italy, Japan, Portugal, Spain, UK, Israel)

- Global infrastructure provides agility and flexibility
 - Channel to market capability in 90 countries
 - Clear leader in the international market
 - Rapidly deploying resources to high growth markets
 - Accelerating global cross selling opportunities
- Multiple sales channels across geographies and product segments
 - Direct presence in 10 key markets
 - Direct sales enhance customer relationships, drive service revenue and increase profitability

Well Positioned in High Growth Markets

Asia-Pacific growth greater than 25%

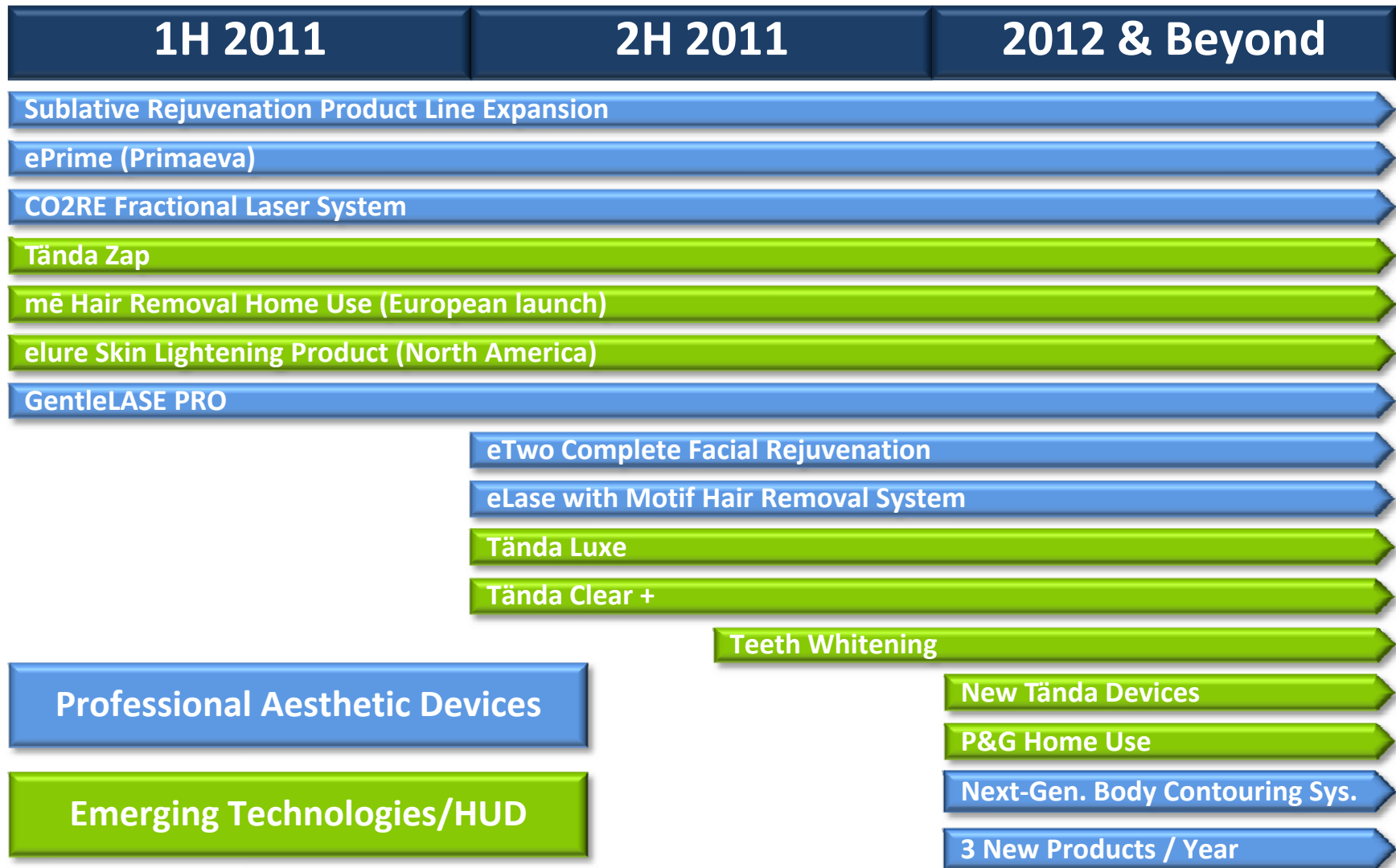
- Long-term presence with stable and loyal Asia-Pacific team
- Strong KOL support and first to establish Asian Medical Advisory Board
- Multi-pronged approach for high growth Chinese market

Latin America /
Hispanic growth
greater than 15%

Driving growth with safer
and easier-to-use technology
for all age groups and skin
types



Robust and Innovative New Product Pipeline



Leader in High Growth Emerging Technologies

Significant growth opportunities with high margin, recurring revenue products

Home Use Devices (HUD)

Projected \$350+ million market in 2013 with 27% 5-year CAGR ^{1,2}

Increased consumer desire for advanced aesthetic treatment at home

Includes facial/skin rejuvenation, hair removal

Teeth Whitening and Fluorination

Blockbuster global market ~\$5.5B billion

Methods include white strips, in-office bleaching, whitening trays/gels, toothpastes

Treatments are more effective and longer lasting

Skin Lightening

Extraordinary global market ~\$14 billion (~\$1 billion professional market)

Skin lightening widely used in Asia (~90% of market)

Daily use product – major recurring revenue opportunity

Home-Use Devices

ēlos Skin Rejuvenation Home Use Device

- Strategic partnership with Procter & Gamble for co-branded skin rejuvenation product
- Designed with strong focus on exceptional results, ease-of-use and safety controls

Tända LED Home Use Devices

- Clinically validated LED light therapy is complementary to Syneron's technology
- Multi-pronged distribution model including premium retailers and healthcare professionals
- The new Tanda Luxe device is cleared by the FDA for over-the-counter treatment of wrinkles and fine lines around the periorbital (around the eye) region.
- Tända product categories: Acne Solution and Anti-Aging Solution

 **SYNERONBEAUTY**



NORDSTROM

SEPHORA

Syneron™

 **CANDELA™**

Home-Use Devices

“mē” Home-Use Hair Removal System

- Dual action: immediate & permanent hair removal performed simultaneously
- More effective on light colored hair due to elōs technology & epilation option
- Suitable for nearly all skin types
- Fastest performance on the market – 4X faster



Fluorinex Teeth Whitening Home Use System

- Pivotal clinical study (120 patients) demonstrated superior results vs. top competitive product for both whitening and shortest time
- Complementary Fluorination home use system
- Expects to begin commercialization in early 2012 in the prestige retail consumer market



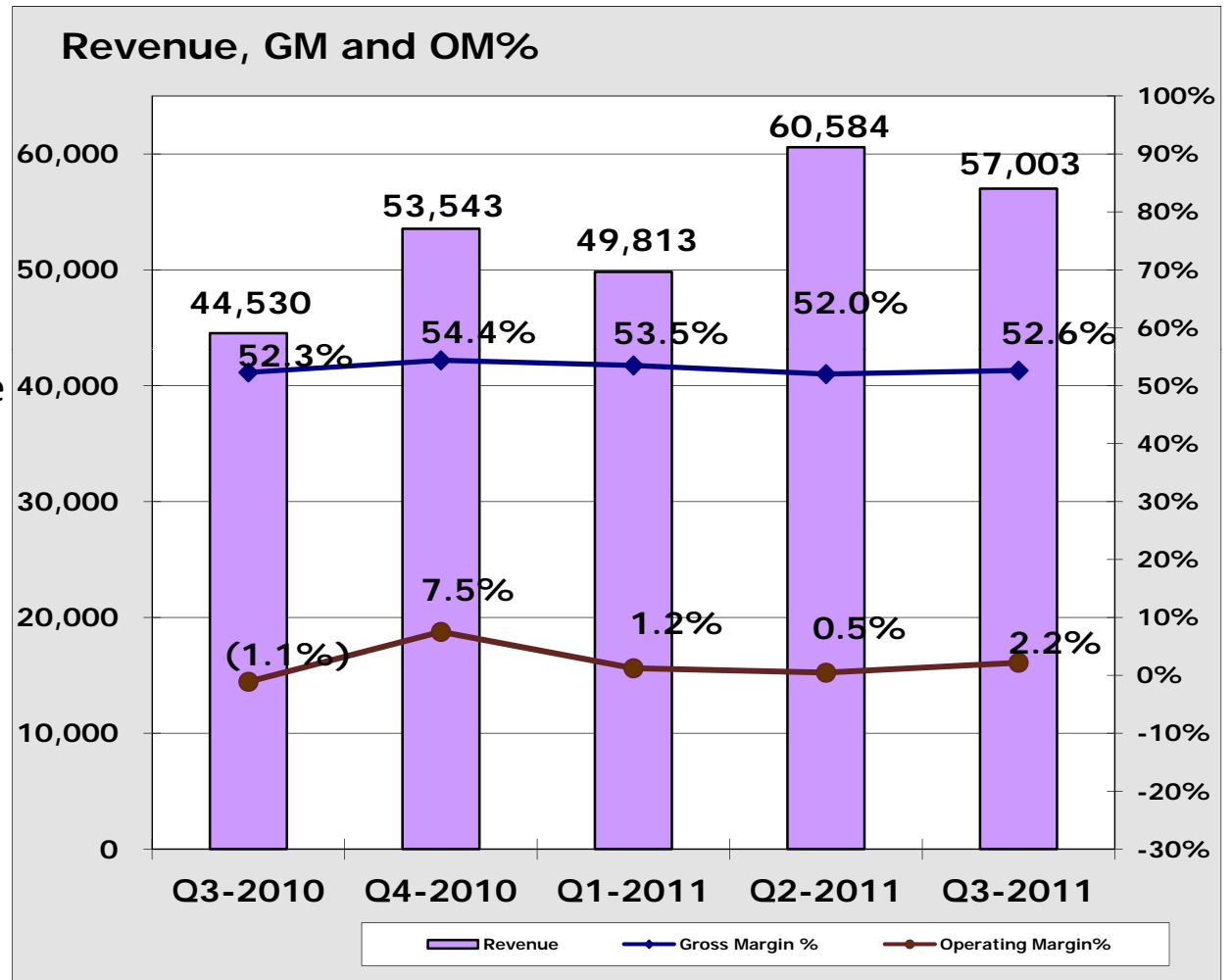
elure™ Advanced Skin Lightening

- Allure Magazine named elure™ #1 Best of Beauty Breakthrough of 2011
- Provides superior efficacy and speed of action
 - Enzyme decomposes melanin – provides results in 7 days (vs. 4-6 weeks with hydroquinone, which also causes significant irritation)
 - Safety and efficacy will be documented in 3 soon-to-be published peer-reviewed publications and will be presented from the podium at major global congresses
- Patent-protected until 2023
- Expanding manufacturing capacity to meet market demand
- Strong clinical results and intellectual property
- Recurring revenue and high GM product



Financial Strength

- \$177 million cash, no debt
- Expanding recurring revenue (32% of PAD segment revenue)
- Improving margins
- Ongoing operating expense reductions
- Clear market leader with 40% market share¹



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Third Quarter 2011 Highlights

- Revenue of \$57.0 million, up 28% YoY
 - International revenue of \$37.4 million, up 29% YoY
 - North America revenue of \$19.6 million, up 27% YoY
 - Significant cross-selling revenues
 - Service and consumables represented 32% of PAD segment revenue
- Recurring service and consumable revenue grew 22% YoY
- Gross margin of 52.6%^{1(non-GAAP)}, up from 52.3% prior year
- Net income of \$1.0 million^{1(non-GAAP)}, or \$0.03 per share vs. net loss of \$1.5 million, or \$0.04 per share prior year
- Operating profit in Professional Aesthetic Device business of \$4.8 million
- Emerging Business Units revenue of \$5 million, up 496.6% YoY and representing 9% of total revenue

1 – Non-GAAP figures exclude stock-based compensation, amortization and merger related expenses, and Palomar settlement expenses and associated legal fees



Palomar Settlement of Hair Removal Patent Lawsuit

Comprehensive settlement agreement ended patent disputes between the companies on mutually agreeable terms (9/16/11)

Agreement #1 – Fully paid up license

- Syneron paid Palomar \$31 million cash payment
- Eliminates exposure to continued legal liability in the matter (~\$1.7-\$2.0 million / quarter)
- Does not require any additional payments for professional hair removal systems
- Supports ongoing efforts to improve gross and operating margins
- Very strong cash balance post settlement

Agreement #2 – Tiered royalty payments

- Palomar granted Syneron a royalty license on U.S. sales of home-use hair removal system
- Royalty tied to patents that expire in 2014
- mē home-use system expected to launch in 2012 in U.S.
- Tiered percentages of 5% - 7.5% on cumulative sales



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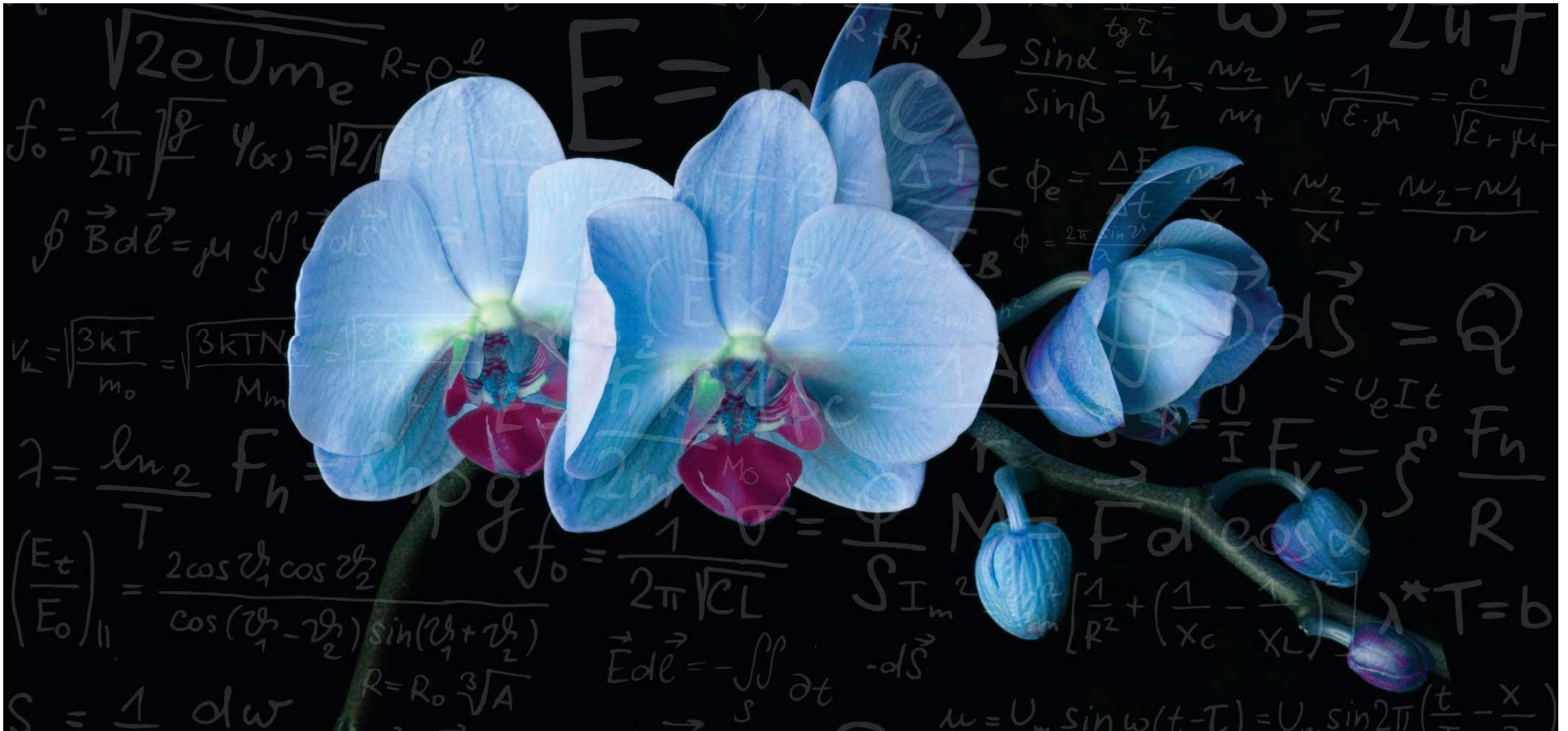
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Thank You

*To lead and drive the widespread
accessibility of trustworthy
aesthetic products to the general
public*

Syneron™

CANDELA™