



**IA**  
INNATE ABILITY

## **SYNCHRO FT**

Simple and Versatile Technology for a Wide Range of Tailor-Made Treatments for Aesthetic Medicine and Dermatology

- Vascular Treatments
- Hair Removal
- Benign Pigmented Lesions
- Non-Ablative Skin Rejuvenation
- Pseudofolliculitis Barbae (PFB)
- Acne

**DEKA**  
Innate Ability

INNATE ABILITY

Simple, versatile and  
effective work tool



## The Measure of a Great Technology is its Ease of Use

Combining Nd:YAG laser with the FT pulsed light, the versatile Synchro FT enables physicians to offer a complete range of dermatological and aesthetic treatments: hair removal on all phototypes, vascular and pigmented lesions, skin rejuvenation.

*Synchro FT, with its Nd:YAG laser and FT handpieces, has significantly improved my work. I feel as though I've been working with these technologies for years. Ever since the first treatment, I've been using the protocol database with amazing results. Following just a few simple instructions, I can tailor each treatment to the patient's specific needs.*

*The six interchangeable filters of the multi-application pulsed light handpiece are an extremely useful innovation. No more interruptions or wasted time: it takes only a moment to replace the filter to change application or adjust it to the patient's phototype.*

*Finally, two more handpieces are now available to expand Synchro FT offering and its versatility: one is specific for the treatment of superficial vascular lesions while the second is dedicated for epilation of wide body area.*

Piero Campolmi, MD  
Department of Dermatology  
University of Florence, Italy

**Synchro FT** allows physicians to select the most effective wavelength, define the pulse shape, and set the most suitable spot size for every type of treatment. The segmentation of the pulse is an additional guarantee of safety. Guided by the database, the physician can choose to break down the single emission into as many as three pulses. This greatly reduces the risk of redness, thermal damage, and undesirable side effects on the patient's skin. Tailor-made treatments and excellent results: Synchro FT successfully treats a variety of vascular and pigmented lesions on all face and body areas, on fair and dark phototypes, and on all skin types.

**Ease of Use and Know-how at your Fingertips with the Protocol Database**

The clinical protocols included in the database cover a comprehensive range of treatments. By following the treatment settings validated by dermatologists and researchers, the physician can select the correct pulse parameters. In this way, the database guides professionals in the simple and safe selection of the most effective protocol.

**Synchro FT** is the synthesis of DEKA's technological excellence: unique, known and appreciated the world over.

3	Different sources housed in a single platform: laser Nd:YAG Long Pulse & Nd:YAG Short Pulse; FT pulsed light.
5	Handpieces for the Nd:YAG laser source, with Top-Hat Spot Size technology and automatic recognition system.
3	FT available handpieces: <ul style="list-style-type: none"> <li>• multi-applications handpiece with interchangeable filters;</li> <li>• vascular handpiece;</li> <li>• hair removal handpiece.</li> </ul>
6	Interchangeable filters for the multi-applications FT pulsed light handpiece. It takes only a moment to adjust the emission to the specific application and the patient's phototype.
10"	New, larger LCD Colour Touch Screen.
9	Regulation levels for the contact skin cooling system incorporated in the system, for the laser handpieces.
11	Regulation levels for the contact skin cooling system incorporated in the system, for the FT pulsed light handpiece.
Over 300	Protocols dealing with dermatology and aesthetic surgery.



**Power and Precision with DEKA Laser Equipment**

Thanks to the Dual-Switch Technology DEKA offers physicians the chance to use two different energy emission modes: Standard or High Peak. Hair removal, treatment of vascular lesions, and non-ablative photorejuvenation: three applications in which Dual-Switch Technology is particularly useful and effective.

The Top-Hat Spot Size ensures a consistently even fluence over the entire spot area. There is never any risk of either overexposing the patient's skin or of not irradiating it sufficiently because the fluence is too weak.

In addition to the database aid, the Synchro FT software has two practical keys (Dual Choice Bar) that make possible to set the perfect shape of the pulse for vascular and hair removal treatments without having to use the database. After setting the initial parameters, the physician can optimise the pulse to suit the specific treatment.



simplicity      effectiveness      safety      speed

**Maximum Versatility with FT Handpieces**

With the FT pulsed light technology the physician can select the most suitable wavelength for the type of application (hair removal, vascular and pigmented treatments, non-ablative photorejuvenation and tightening), or patient's phototype.

Now you can choose among 3 different FT handpieces:

- The multi-application handpiece with 6 interchangeable filters. By simply switching filters without changing handpiece, physician can select the suitable wavelength in just a few seconds;
- G-Light handpiece with a special filter and design optimised for the treatment of superficial vascular lesions;
- Big size hair removal handpiece dedicated for epilation of wide body areas.

### Total Comfort with the New Cooling System

DEKA has incorporated the Contact Skin Cooling technology into all its handpieces. Indispensable for the patient's well-being, this cools the skin using a completely new method. Treatments are practically painless and minimally invasive, and recovery times are short with no risk of side effects. Total comfort for the patient, maximum safety for the physician..



A



B

Nd:YAG Laser (Photos using polarized light).  
*Courtesy of Piero Campolmi, M.D., Giovanni Cannarozzo, M.D., Paolo Bonan, M.D., Florence - Italy*

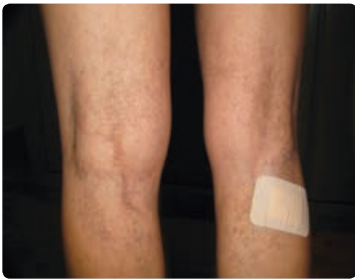


A



B

Nd:YAG Laser.  
*Courtesy of Piero Campolmi, M.D., Giovanni Cannarozzo, M.D., Paolo Bonan, M.D., Florence - Italy*



A



B

FT Pulsed Light Handpiece (Photos using polarized light).  
*Courtesy of Piero Campolmi, M.D., Giovanni Cannarozzo, M.D., Paolo Bonan, M.D., Florence - Italy*



A



B

FT Pulsed Light Handpiece (Photos using polarized light).  
*Courtesy of Piero Campolmi, M.D., Giovanni Cannarozzo, M.D., Paolo Bonan, M.D., Florence - Italy*



<b>Laser Type</b>	Nd:YAG LP & SP
<b>Wavelength</b>	1064 nm
<b>Energy per Pulse</b>	50 J (max) in Standard mode - LP; 35 J (max) in High Peak mode - SP
<b>Pulse Duration</b>	From 0.8 to 12 ms in High Peak mode - SP From 2 to 35 ms in Standard mode - LP
<b>Delay Between Pulses</b>	From 10 to 125 ms
<b>Number of Pulses</b>	From 1 to 3
<b>Repetition Rate</b>	Single Pulse - up to 10 Hz
<b>Spot Sizes</b>	2.5 - 5 - 7 - 10 - 13 mm
<b>Fluence</b>	Up to 700 J/cm <sup>2</sup>
<b>Aiming Beam</b>	Diode Laser, 3 mW @ 635 nm

<b>Source</b>	Xe Lamp
<b>Spectrum of Emission</b>	Multi applications HP: 500-680 nm & 850-1200 nm; 520-1200 nm; 550-1200 nm; 600-1200 nm; 650-1200 nm; 800-1200 nm. G-Light HP: 500-680 nm & 850-1200 nm. Hair Removal HP: 550-1200 nm.
<b>Energy per Pulse</b>	160 J (max.)
<b>Pulse Duration</b>	From 3 to 8 ms
<b>Delay between Pulses</b>	From 5 to 50 ms
<b>Number of Pulses</b>	From 1 to 3
<b>Repetition Rate</b>	2 s (min) @ Std Mode; 0.5 s @ SmP Mode
<b>Treatment Area</b>	Multi applications HP: 48x13 mm; 23x13 mm - Optional. G-Light HP : 15x13 mm. Hair Removal HP: 48x17 mm.
<b>Fluence</b>	Up to 25 J/cm <sup>2</sup>
<b>Integrated Skin Cooling</b>	Contact Peltier system
<b>Emission Control</b>	Footswitch and Fingerswitch

<b>Skin Cooling</b>	Integrated
<b>Control Panel</b>	Wide LCD Colour Touch Screen (10")
<b>Emission Control</b>	Footswitch and Fingerswitch
<b>Database</b>	Integrated
<b>Electrical Requirements</b>	230 Vac / 16 A (max.) / 50-60 Hz
<b>Dimensions &amp; Weight</b>	100 cm (H), 50 cm (W), 83 cm (D), 65 Kg



This brochure is not intended for the market of USA.

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**SYNCHRO\_FT**

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**DEKA Innate Ability**

A spin-off of the El.En. Group, DEKA is a world-class leader in the design and manufacture of lasers and light sources for applications in the medical field. DEKA markets its devices in more than 80 countries throughout an extensive network of international distributors as well as direct offices in Italy, France, Japan and USA. DEKA manufactures laser devices in compliance with the specifications of Directive 93/42/EEC and its quality assurance system is in accordance with the ISO 9001 and ISO 13485 standards.

Dealer stamp