

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922) 49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Ижевск (3412)26-03-58
Иваново (4932)77-34-06
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Россия (495)268-04-70

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Сургут (3462)77-98-35
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Казахстан (772)734-952-31

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

<https://deka.nt-rt.ru> || dak@nt-rt.ru

Аппарат лазерной хирургии SmartXide2 TRIO



Applications

- ● ● ● ENT
- ● ● ● Gynaecology
- ● ● ● Surgical V²LR
- ● ● ● Wound Healing

Sources

CO₂ - 10600nm
Diode CW/PW - 980nm

SmartXide² TRIO

Unique, TRIO

Designed to enhance surgeon capabilities
SmartXide² TRIO is the new era of laser surgical
innovation.

Precision, reproducibility and safety are the main plus of
the intuitive SmartXide² TRIO. The System provides both
articulated arm and high-performance hollow fibers
CO₂ delivery together with High Power Diode laser module
with dedicated fibers.

Smartxide² TRIO Quick Wins:

①

Surgical innovation of the Three-in-One technology for maximum
versatility in all surgical environments, especially in the OR of hospitals
and clinics.

②

New Sealed RF excited CO₂ laser source providing Pulsed Shape
Design technology (PSD®), to select pulses for various clinical
indications.

③

CO₂ Laser flexible hollow fiber for delicate and smart tissue
management, to achieve maximum thermal control and surgical
precision.

④

Additional High Power Diode Laser module, that means a second wavelength, to complete the clinical indications.



Highly accuracy microspot micromanipulators with surgical scanners, and complete sets of surgical handpieces, for each specialty enables surgeons to operate with precision and reproducibility of any surgical treatment.



Clinically validated and approved also for both "ONE SHOT Stapedotomy" performed with both with CO₂ laser and High power Diode laser module, and "MonaLisa Touch" for GSM patients.

RF Excited CO₂ Laser Source and PSD[®] Technology

The SmartXide² TRIO RF-excited CO₂ sealed Laser source offers high power and speed of action. The newest PSD[®] (Pulse Shape Design) technology, generates variable peak pulses with different structure, duration and power to adapt to the various clinical conditions. This makes the SmartXide² TRIO CO₂ laser system extremely versatile for the various surgical applications, especially for ENT and Gynecological surgery.

U-PULSE ("Ultrapulsed" - Fig. B) and "Real CW" pulses are the most commonly used in this kind of surgery. U-Pulse is the perfect pulse for ENT microsurgery because a massive energy is supplied in microseconds, ensuring a perfect ablation without tissue carbonization.

"The "Real CW" emission modality has no acoustic effect and is therefore suitable for the "ONE SHOT" stapedotomy technique.

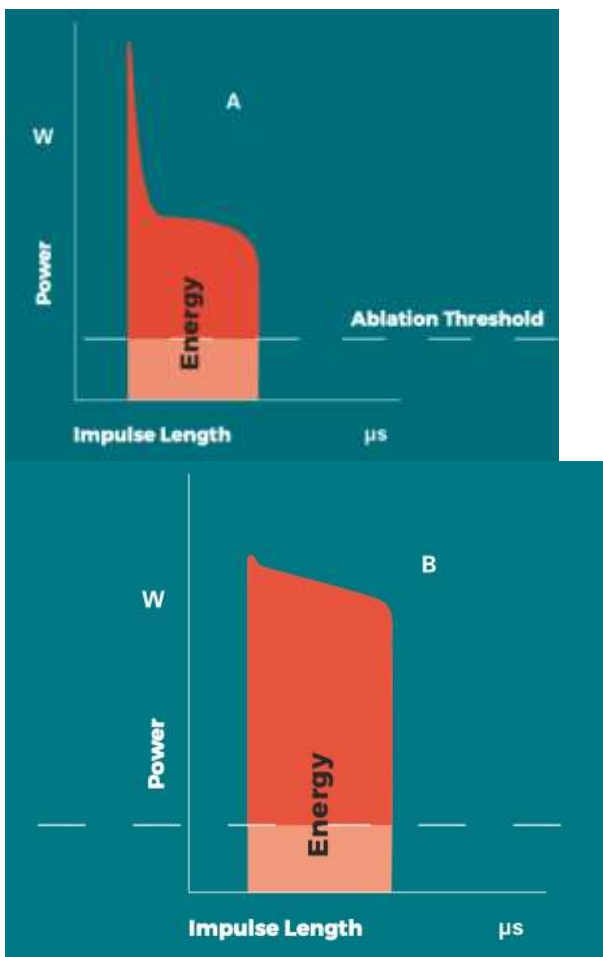
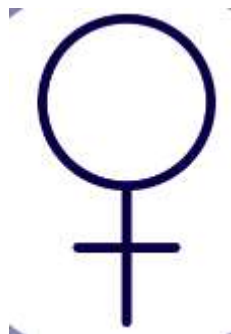


Fig. A: Single-pulse continuous-supply excited laser CO₂ (Superpulse emission).
 Fig. B: Single-pulse radiofrequency excited laser CO₂ (Ultrapulse emission). Radiofrequency-excited CO₂ laser sources produce greater energy above the ablation threshold (red colour) compared to continuous-supply excited CO₂ lasers, and at comparable pulse length.

GYNECOLOGY

SmartXide² TRIO is the elective CO₂ & Diode laser for minimally invasive Gynecological surgery, Colposcopy and Laparoscopy. It provides repeatable and predictable results and it connects to advanced scanning systems for laparoscopy and scanners and microspot micromanipulators for colposcopy. Delicate to healthy tissues and critical organs, it is instead highly effective and precise for incision, excision, ablation, vaporization on the targeted soft tissue. Therefore SmartXide² TRIO is the gold standard for gynecology surgeons for a wide range of clinical indications.



ENT

SmartXide² TRIO is the elective laser for minimally invasive surgery for ENT, especially for TLM - Transoral laser microsurgery for pharynx, for SCC – Squamous cell carcinomas and for Diode & CO₂ “ONE SHOT” Stapedotomy technique. It provides repeatable and predictable outcomes and it connects with advanced scanning systems, microspot micromanipulators and microscope, to simplify the surgical procedures. The “Depth” and “Power” operative modes make it very versatile & intuitive to use and due to the thermal control and smart soft tissue management it is highly delicate to healthy tissues and highly effective to the target tissue.



WOUND HEALING

SmartXide² TRIO is an innovative and elective CO₂ laser technology for surgical procedures for debridement and tissue regeneration in cutaneous wound healing. This induces a “cold injury” in the wound bed, thanks to either the special U-Pulse shape emission and devoted integrated protocols, high peak power and unsurpassed scanners and accessories. Any kind of skin ulcers (Diabetic foot ulcers, Venous leg ulcers, Pressure ulcers), surgical dehiscence and chronic wounds need a special care by a minimally invasive, non-contact and highly effective surgical procedure. Extremely delicate to healthy tissues, SmartXide² TRIO is a highly precise surgical laser for incision, excision, ablation and vaporization on the target soft tissue. Therefore it is considered the gold standard for Wound Healing, especially in severe cutaneous wounds, usually difficult to heal. This makes SmartXide² TRIO the perfect tool to provide unexpected outcomes.



Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922) 49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Ижевск (3412)26-03-58
Иваново (4932)77-34-06
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижегород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Россия (495)268-04-70

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Сургут (3462)77-98-35
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Казахстан (772)734-952-31

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93