



Lasers

- Home
- Up
- Contact
- Contents

Ready-made laser systems

RML-020-Nd:YAG PW 30[W]



The Nd:YAG laser - based system operating in pulsed mode with the average power to 30 or to 60 [W]. The parameters regulated are: repetition frequency, pulse duration and peak power of a single pulse. The system is provided with an assembly enabling to obtain rectangular pulses, and with a microprocessor controller enabling to control freely operation of the laser.

Applications: technological processing of materials, laser epilation.

Technical parameters:

power supply:	1 x 230AC [V]
current consumption	20 [A]
average power of the beam	30 [W]
wavelength	1064 [nm]
width of one pulse	0,5-40 [ms]
energy of one pulse	1-10 [J]
frequency repetition	4-40 [Hz]
top power of the pulse	100-1000 [W]
output beam diameter	7 [mm]
cooling system - external flow without filtration	5 [l/min]

RML-020-Nd:YAG PW 60[W]



Technical parameters:

power supply:	3 x 230AC [V]
current consumption	3x 15 [A]
average power of the beam	60 [W]
wavelength	1064 [nm]
width of one pulse	0,5-40 [ms]
energy of one pulse	1-20 [J]
frequency repetition	4-40 [Hz]
top power of the pulse	100-1000 [W]
output beam diameter	7 [mm]
cooling system - external flow without filtration	5 [l/min]

RML-020-Nd:YAG CW QS 40[W]

The Nd:YAG laser system operating in the quasi- CW mode with the average power up to 50 W. The only parameter regulated is the pulse repetition frequency and thereby the laser power. The duration of pulses and their peak power are set in the production process. The system is equipped with an assembly that enables to control the q-switch from the outside which makes the laser easy adaptable in the laser marker. The

Technical parameters:

power supply:	1 x 230AC [V]
current consumption	20 [A]
average power of the beam	40 [W]
wavelength	1064 [nm]
width of one pulse - approximately	20 [ns]
energy of one pulse - approximately	0,8 [J]
frequency repetition	100-5000 [Hz]
top power of the pulse - approximately	40 [kW]
output beam diameter	5 [mm]
cooling system - external flow without filtration	5 [l/min]

RML-020-Nd:YAG CW QS 80[W]

Technical parameters:

power supply:	3 x 230AC [V]
current consumption	3x 15 [A]
average power of the beam	80 [W]
wavelength	1064 [nm]
width of one pulse - approximately	20 [ns]
energy of one pulse - approximately	1,6 [mJ]
frequency repetition	100-5000 [Hz]
top power of the pulse - approximately	80 [kW]
output beam diameter	7 [mm]
cooling system - external flow without filtration	10 [l/min]

RML-050-Nd-Er, 100+15[Hz] 5+5[W]

Dual laser system containing both neodymium and erbium laser operating in pulsed mode. The parameters regulated are: repetition frequency, pulse duration and peak power of a single pulse. The system is provided with an assembly enabling to operate with rectangular pulses and a microprocessor controller making the laser easy to operate.

Applications: dental applications - working out losses, surgery, canal healing, bio - stimulation. All the systems have one - year warranty. By individual order, we produce laser systems with any parameters.

Technical parameters:

power supply:	1 x 230AC [V]
current consumption	15 [A]
average power of the Nd:YAG beam	5 [W]
average power of the Er:YAG beam	5 [W]
wavelength of the Nd:YAG	1064 [nm]
wavelength of the Er:YAG	2940 [nm]
width of pulse for Er and Nd	200 [us]
frequency repetition for Nd	10-100 [Hz]
frequency repetition for Er	3-10 [Hz]
top power of pulse	100-1000 [W]
output beam diameter	7 [mm]
cooling system - external flow without filtration	10 [l/min]

Important:

- All the systems have the one - year warranty
- By individual orders, we produce laser systems with any parameters

Pricelist:

TYPE	PRICE
Nd:YAG PW 30[W] NEW	\$18.250,-
Nd:YAG PW 60[W] NEW	\$22.300,-
Nd:YAG CW QS 40[W] DISCOUNT \$2000,-	\$18.350,-
Nd:YAG CW QS 80[W]	\$20.250,-
Nd-Er, PW 100+15[Hz] 5+5[W] DISCOUNT \$3000,-	\$27.250,-

[[Home](#)] [[Up](#)]