

## DF141 Solid state pulsed laser

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**Lasers**

**Diode-pumped Nd:YAG lasers**

DF141

DF251

DF152

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**Laser Systems**

[General Description](#) [Specification](#)

Model	DF141/2	DF141/4
Pulse repetition rate:	20 Hz	20 Hz
Energy per pulse:		
1064 nm	50 mJ	50 mJ
532 nm	30 mJ	30 mJ
355 nm		4 mJ
266 nm		2 mJ
Pulse to pulse energy stability (1064 nm):		
1064 nm	0.8 %	0.8 %
532 nm	1.2 %	1.2 %
355 nm		2.2 %
266 nm		2.8 %
Pulse width (1064 nm):	10 - 12 ns	10 - 12 ns
Beam divergence:	< 1.8 mrad	< 1.8 mrad
Beam diameter:	4 mm	4 mm
Jitter:	<± 1.0 ns	<± 1.0 ns
Beam pointing stability:	< 50 µrad	< 50 µrad
Diode lifetime:	> 10 <sup>9</sup>	> 10 <sup>9</sup>
Power requirements:	90-240 V, 60 Wt, 50-60 Hz	90-240 V, 70 Wt, 50-60 Hz
Overall size (LxWxH):		
Laser head:	332 x 170 x 90 mm	430 x 170 x 90 mm
Power supply:	364 x 147 x 391 mm	364 x 147 x 391 mm
Weight:		
Laser head:	3.6 kg	4.8 kg
Power supply:	4.8 kg	4.8 kg

Dimensional drawing





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