



Olas Pump Chambers for Cost Efficient Laser Construction

The optimal design of a laser pump chamber is still – even after 50 years of laser technology – no simple task. Decisions about the best suitable pump diodes, the right optics and the optimal cooling scheme determine such important features like the quality of the laser beam and the output power. Professional product developments may be quite costly and time consuming.

DÖHRER Elektrooptik expands its product portfolio and immediately offers complete pump chambers for Nd:YAG and Nd:YVO₄ lasers for laser power up to approx. 100 W.



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The concept of the Olas pump chambers is based on side pumped rods and on efficient water cooling. The compact and easy to install housing

allows the user a convenient adaption of his own optics and mechanics. With only 71 mm length for the 30 W versions and 120 mm for the 100 W modules the Olas pump chambers are very compact and easy.

The concept of the Olas pump chambers is based on the MCBT principle. MCBT that is Multi-Points Collimated Beam Technology and assures excellent beam quality.

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