

RGBY Laser Source: >25W



ARC DIODE AUREUS 20W RGB-Y: with Coherent Genesis Taipan 577nm

Full Output power beamsource: >25W Spec. 20W RGB-Y (Additional Colour Line: Yellow 577nm)
Whitelight Balance: after scanners: 17W

Beamsource 640nm RED:	6,6W	after Scanner: >5,0W / Arctos Diode Array
Beamsource 530nm GREEN:	6,5W	after Scanner: 6,0W / Coherent Genesis Taipan or Jenlas/Jenoptik
Beamsource 445nm BLUE:	3,6W	after Scanner: >2,5W / Arctos Diode Array
Beamsource 577nm YELLOW:	7,0W	after Scanner: >5,0W / Coherent Genesis Taipan

Technische Daten: Technical Data Preview

Beam Parameters:	<4,0mm diameter; 1,0mrad (full angle) divergence
Scanners CT (Cambridge Technology)	Cambridge Technology incl. Arctos fast-speed scanner driver card
Grafikscanner:	CTI 6800HP with 1M0 CT-Servoamp and integrated Scanner Safety
Signaleingang:	Signal Input: ILDA Standard D-Sub 25p
Interlock:	AMP Safety-Standard für Not-Aus/AMP safety standard for emergency switch off
Kühlung:	Cooling: Geräuscharme Luftkühlung/Super Silent AIR-cooling
Gehäuse:	Housing: Aluminium schwarz eloxiert, staubdicht/black anodized, 100% sealed
Gewicht:	Weight: <65kg
Dimension: (L x H x W)	Maße: 615mm x 281mm x 360mm
Power Consumption:	Stromaufnahme: 110-265VAC@max 1200W

ARCTOS technical FEATURES:

- **Pure "snow" white balance: "Arctic White":** Coverage of the visible spectrum of laser light 450nm to 640nm
- **Digital Color Balance:** microprocessor controlled laser sources, adjusted to pure whitelight through a RGB-Y sensor
- **Active RGB Linearization:** RGB linearization achieves a brilliant color representation of >16.7 million colors without de-coloration
- **Dynamic Zone Safety:** Each system is equipped with a dynamic scanner-safety (MO1) specially developed for Arctos systems
- **5 Pending Patents:** Arctos has the worldwide most extensive experience in diode showlaser manufacturing since 2003
- **Energy Saving + Super Silent:** Low power consumption of less than <1,7kW (20W RGB) and max 600W (10WRGB)
- **ESD Protected Stabilized Switching Power Supplies:** Special broad-range combinatorial circuits (developed only for Arctos systems)
- **Microprocessor controlled:** Arctos internal microprocessors control and monitor the entire thermoelectric cooling and ventilating as well as the diodes.
- **High Speed Scanning up to 80.000 pps ILDA standard:** Arctos scanning systems comply with the highest industrial standards worldwide. Scanning speeds up to 80.000 pps allow a precise and jitter-free display of the graphics.
- **Geometric housing design:** Arctos solid, shock absorbing, mechanically levitated design (freischwebend) &
- **ARC-Modular construction. Maintenance Free + long lifetime**
- **Active Cooling:** Our systems are provided with a processor controlled internal thermoelectric cooling of heat-generating components and an exceptional internal heat abstraction
- **USB Ready:** designed to be controlled by an USB connection port if necessary. (Optionally)
- **DMX Ready:** The DMX option enables to access and engineer prefabricated animations or effects saved on a memory card by DMX live (any quantity available depending on the memory card). (Optionally)
- **Ethernet Ready:** -systems can be configured to integrate the QM 2000 output card to ensure a complete control over TCP/IPnetwork.
- **Standard ILDA Input; Digital Remote Control; Plug & Play**
- **ARCTOS represents certificated Integrator of Coherent: Arctos laser DRIVER DLP40-T.**