

## Professional RC

## 2015 Price List

<b>RC10</b>		
RC10-MX	RC 10" f/9, Paramount MX	\$26,490.00
RC10-ME	RC 10" f/9, Paramount ME II	\$34,540.00
<b>RC12.5</b>		
RC12.5-MX	RC 12.5" f/9, Paramount MX	\$37,200.00
RC12.5-ME	RC 12.5" f/9, Paramount ME II	\$39,520.00
RC12.5-750F	RC 12.5" f/9, OGS 750 Fork with AP 1600 control	\$44,740.00
<b>RC14.5</b>		
RC14.5-EM500	RC 14.5" f/8 Takahashi EM500	\$43,000.00
RC14.5-ME	RC 14.5" f/8, Paramount ME II	\$45,320.00
RC14.5-750F	RC 14.5" f/8, OGS 750 Fork with AP 1600 control	\$50,540.00
<b>RC16</b>		
RC16-ME	RC 16" f/8.4, Paramount ME II	\$58,970.00
RC16-750F	RC 16" f/8.4, OGS 750 Fork with AP 1600 control	\$64,320.00
RC16-1000Fmks	RC 16" f/8.4, OGS1000 Fork with Bisque TCS	\$99,960.00
<b>RC20</b> <i>The RC20, Our Most Popular Science Center Telescope!</i>		
RC20-ME	RC 20" f/8.1, Paramount ME II	\$76,490.00
RC20-AP 3600	RC 20" f/8.1, AP3600 German	\$91,600.00
RC20-1000Fmks	RC 20" f/8.1, OGS1000 Fork Bisque TCS	\$115,400.00
RC20-1400Gmks	RC 20" f/8.1, OGS1400 German Bisque TCS	\$160,500.00
RC20-1400Fmks	RC 20" f/8.1, OGS1400 Fork Bisque TCS	\$160,500.00
RC20-APM 300	RC-20" f/8.1, APM 300 German	\$112,750.00
<b>RC24</b>		
RC24-AP3600	RC 24" f/8, AP3600 German	\$120,100.00
RC24-1400Fmks	RC 24" f/8, OGS1400 Fork Bisque TCS	\$177,100.00
RC24-APM 300	RC 24" f/8, APM 300 German	\$136,100.00
RC24-1800Fast	RC 24" f/8, OGS1800 Steel & carbon fiber truss. Torque motor drive & Renishaw direct reading axle encoding	Please Call
<b>RC32</b>		
RC32-1400GN	RC 32" f/8, OGS1400 German	32" optics vary
RC32-1400FN	RC 32" f/8, OGS1400 Fork	Please Call
RC32-1900GS	RC 32" f/8, OGS1900 German Servo Drive	Please Call
RC32-1900FS	RC 32" f/8, OGS1900 Fork Servo Drive Axle Encoded	Please Call
RC32-2100F	RC 32" f/8, OGS2100 Fork, Torque motor drive	Please Call
RC32-2000AA	RC 32" f/8, OGS2000 Fork, Torque motor drive	Please Call
<b>RC40</b>		
RC40-2200Fast	RC 40" f/8, OGS2200 Fork, Torque Motor drive	<b>Please Call</b>
RC40-2000AA	RC 40" f/8, OGS2000 Alt/Az Torque Motor drive	

## Professional CC

## 2015 Price List

<b>CC10</b>		
CC10-MX	CC 10" f/15 Paramount MX	\$26,490.00
CC10-ME	CC 10" f/15 Paramount ME II	\$34,540.00
<b>CC12.5</b>		
CC12.5-MX	CC 12.5" f/16 Paramount MX	\$37,200.00
CC12.5-ME	CC 12.5" f/16 Paramount ME II	\$39,520.00
CC12.5-750F	CC 12.5" f/16 OGS 750 Fork with AP 1200 control	\$44,740.00
<b>CC14.5</b>		
CC14.5-EM500	CC 14.5" f/16 Takahashi EM500	\$43,000.00
CC14.5-ME	CC 14.5" f/16, Paramount ME II	\$45,320.00
CC14.5-750F	CC 14.5" f/16, OGS 750 Fork with AP 1200 control	\$50,540.00
<b>CC16</b>		
CC16-ME	CC 16" f/14 Paramount ME II	\$58,970.00
CC16-750F	CC 16" f/14 OGS 750 Fork with AP 1200 control	\$64,320.00
CC16-1000Fmks	CC 16" f/14 OGS1000 Fork with Bisque TCS	\$99,960.00
<b>CC20</b> <i>The RC20, Our Most Popular Science Center Telescope!</i>		
CC20-ME	CC 20" f/16 Paramount ME II	\$76,490.00
CC20-AP 3600	CC 20" f/16 AP 3600 German	\$91,600.00
CC20-1000Fmks	CC 20" f/16 OGS1000 Fork Bisque TCS	\$115,400.00
CC20-1400Gmks	CC 20" f/16 OGS1400 German Bisque TCS	\$160,500.00
CC20-1400Fmks	CC 20" f/16 OGS1400 Fork Bisque TCS	\$160,500.00
CC20-APM 300	CC-20" f/16 APM 300 German	\$112,750.00
<b>CC24</b>		
CC24-AP3600	CC 24" f/16 AP 3600 German	\$120,100.00
CC24-1400Fmks	CC 24" f/16 OGS 1400 Fork Bisque TCS	\$177,100.00
CC24-APM300	CC 24" f/16 APM 300 German	\$136,100.00
CC24-1800F	CC 24" f/16 OGS1800 All steel mount and fork, steel & carbon fiber truss. Torque motor drive & Renishaw direct axle encoding	Please Call
<b>CC32</b>		
CC32-1400GN	CC 32" f/10 OGS1400 German	Prices of optics vary with Euro
CC32-1400FN	CC 32" f/10 OGS1400 Fork	Please Call
CC32-1900GS	CC 32" f/10 OGS1900 German Servo Drive	Please Call
CC32-1900FS	CC 32" f/10 OGS1900 Fork Servo Drive Axle Encoded	Please Call
CC32-2100Fast	CC 32" f/10 OGS 2100 Fork, Torque motor drive	Please Call
CC32-2000AA	CC 32" f/10 OGS 2000 Fork, Torque motor drive	Please Call
<b>RC40</b>		
CC40-2200Fast	CC 40" f/9, OGS2200 Fork, Torque Motor drive	Please Call
CC40-2000AA	CC 40" f/9, OGS2000 Alt/Az Torque Motor drive	

## Professional Ceramic Optics

<b>Ritchey-Chretien</b>		
RC10	10" f/9	\$16,500.00
RC12.5	12.5" f/9	\$21,500.00
RC14.5	14.5" f/7.9	\$27,300.00
RC16	16" f/8.4	\$39,900.00
RC20	20" f/8.1	\$57,750.00
RC24	24" f/8	\$90,500.00
RC32	32" f/8	Prices dependent on the Euro <i>Please Inquire</i>
<b>Classical</b>		
CC10	10" f/15	\$16,500.00
CC12.5	12.5" f/16	\$21,500.00
CC14.5	14.5" f/16	\$27,300.00
CC16	16" f/14	\$39,900.00
CC20	20" f/16	\$57,750.00
CC24	24" f/16	\$90,500.00
CC32	32" f/10	Prices dependent on the Euro <i>Please Inquire</i>

## Astrograph Optics made with Schott Supremax

<b>RC Astrograph</b>		
RC10	10" f/7	\$7,500.00
RC12.5	12.5" f/6.5	\$11,900.00
RC14.5	14.5" f/7	\$15,900.00
RC16	16" f/6.5	\$24,800.00
RC20	20" f/7	\$44,000.00
RC24	24" f/6.5	\$63,000.00
RC32	32" f/8	\$196,000.00
<b>CDK Astrograph</b>		
CDK20	20" f/6	\$34,200.00
CDK24	24" f/6	\$53,300.00
CDK28	28" f/6	\$114,500.00
<b>German Mountings</b>		
	<i>Capacity</i>	
EM400	55 lbs	\$10,800.00
EM500	80 lbs	\$15,780.00
Paramount MX	100 lbs	\$9,000.00
Paramount ME II	240 lbs	\$15,500.00
AP3600	300 lbs	\$19,900.00
APM GE100 DD	110 lbs	\$23,000.00
APM GE200 DD	220 lbs	\$40,600.00
APM GE300 DD	450 lbs	\$44,000.00

<b>Fork Mountings</b>		<i>Capacity</i>	
OGS-750F	130 lbs		\$21,860.00
OGS1000F	200 lbs		\$44,000.00
OGS1400F	300 lbs	<i>(pier included)</i>	\$88,600.00
OGS1900F	600 lbs	<i>(pier included)</i>	\$166,150.00
APM300F	450 lbs	<i>(pier included)</i>	\$95,000.00
<b>Piers</b>			
EM400	36" Portable		\$2,600.00
M-500 Pier	40" Transportable Tripod		\$3,100.00
HP75	42" Aluminum Transportable		\$2,750.00
OGS75	42" Steel Fixed		\$3,190.00
ME Pier	48" Steel Fixed		\$750.00

<b>Automation Controls</b>		
Software Bisque TCS	Affordable servo drive & software "Go-To" controller with Internet control suite (PC required). +Custom OGS Parts	\$7,500.00
Software Bisque TCS Pro	<i>Affordable servo drive &amp; software "Go-To" controller with Internet control suite (PC required). +Custom OGS Parts</i>	\$12,500.00
<b>Dome Controls</b>		
Dome Rotation	For Ash & Observa Domes (installation additional)	\$5,500.00
Shutter Control	For Ash & Observa & Astro Haven (installation additional)	\$4,500.00
<b>Control Software</b>		
Astronomer's Control Panel	All observatory automation through the web browser Share Your Sky!™, Remote astronomy option Plan your run, Features the most automation tools Designed for science and imaging! Professional grade online help, Customer service is second to none!	\$1,495.00 Expert \$2,495.00 Institution
ACP (Personal Internet or Educational Internet)		
Software Bisque Sky X & Camera Add On	Sky X Professional astronomy software allows you to combines both CCD camera control functions and astronomical image processing functions into a single package. Sky X and Camera add on tightly integrate control of your telescope, CCD camera, focus and color filter wheel.	\$550.00
Optec Pyxis 3" Rotator	Automatically select your guide star (adapter are optional)	\$2,050.00
Optec Perseus 4 port	Remotely select your camera, instrument or eyepiece	\$3,250.00
<b>Cameras</b>		<b>Cameras</b>
Apogee	Full product line available	Apogee
SBIG	Full product line available	SBIG
FLI	Full product line available	FLI

# **Optical Guidance Systems**

**Research Telescopes**

[www.OpticalGuidanceSystems.com](http://www.OpticalGuidanceSystems.com) | 215.947.5571

## **OGS 10-32 Inch Al, Mg and Carbon Fiber Optical System Exclusive Features**

- ⌚ All systems are tested and collimated on the OGS 33" laser autocollimator
- ⌚ All systems arrive precision collimated and ready to use. Guaranteed!
- ⌚ Optical systems fully 2-year warranted, optical, mechanical, and electrical.
- ⌚ Mirror coatings are fully 1-year warranted!

## **Standard Features and Accessories on "Observatory Systems"**

- ⌚ Ritchey-Chretien optics
- ⌚ Closed optical tube constructed of aluminum
- ⌚ Professionally painted high endurance automotive finishes are standard
- ⌚ Tube balance weights (fine balance)
- ⌚ Tube attachment fixture (clamping rings)
- ⌚ Slewing handles
- ⌚ Illuminated finder;  
8 x 50 (10-16" OTA), 10 x 60 Baader finders (20-32" OTA)
- ⌚ Removable OGS/Astrophysics rack-and-pinion focuser or fixed AP extension tubes,  
65mm I.D. (10-16" OTA), 105mm I.D. (16-32" OTA)
- ⌚ AP 2" star diagonal
- ⌚ Tele Vue 55mm Plössl eyepiece
- ⌚ Threaded holes for instrumentation attachment on back plate
- ⌚ Active cooling
- ⌚ Lightweight conical-shaped low-expansion ceramic mirrors provide low thermal and tube inertia
- ⌚ Extremely smooth, computer-polished optical surface, 1/20 RMS wavefront or better
- ⌚ Standard Al with "enhanced" SiO<sub>2</sub> quartz overcoat for a wide flat response
- ⌚ Optional custom optical coatings available
- ⌚ Professional Zygo interferogram with fringe analysis of optics
- ⌚ High stability optical boresight
- ⌚ Invar 36 or carbon fiber metering rods to ensure thermally stable focus over 100 F.
- ⌚ Digital secondary focusing with display of step count (auto-focus capable)
- ⌚ Tested and collimated on the OGS 33" laser autocollimator

## Optional Accessories

- ⌚ **Open truss assemblies, carbon fiber or aluminum**
- ⌚ **Custom colored or “pearl” painted tubes**
- ⌚ **Three-element 70mm Ø Photo-Visual Focal Reducer (0.75x) for 35mm format**
- ⌚ **Three-element 90mm Ø Photo-Visual Focal Reducer (0.84x) for 60mm diagonal format**
- ⌚ **Three-element 42mm Ø Photo-Focal Reducer (0.63x) for ST-7/8 Imaging**
- ⌚ **Three-element field corrector provides a 1.5° diffraction limited field**
- ⌚ **Off-axis guider**
- ⌚ **Optional off-axis apertures for solar filters, or apertures used as Hartman mask**