



## Telescope Sources

### Product and Contact Information for Principal Manufacturers/Suppliers

Presented here in alphabetical order is a listing of the primary sources for astronomical telescopes. Except in the case of those for some overseas manufacturers, note that this compilation does *not* include dealers themselves, advertisements for whom can be readily found in the various astronomical magazines such as *Sky & Telescope*. Under the company's bolded name are its mailing address, phone number/s where available, Internet web site and/or e-mail address, and a concise listing of the telescopes offered at the time of writing. Readers should contact them directly for copies of their latest catalogs, specifications for specific models, current prices, shipping charges, delivery times, and warranty and return policy. Note that most of these firms also offer a line of mounting options and accessories in addition to the instruments themselves. In a number of cases, their catalogs are available on-line, as well as by mail. Also listed *un-bolded* are numerous companies from the past who are either out of business entirely or are no longer making telescopes. Many of their instruments are not only still in use by stargazers today but are also offered from time to time on the used market. In many cases these telescopes are considered classics, and as such are much sought after by observers and collectors alike. No contact information is given for these firms other than where they were or currently are located.

**APM-Telescopes**

Saarbrücken, Germany

Web site: [www.apm-telescopes.de](http://www.apm-telescopes.de) E-mail: [apm\\_telescopes@web.de](mailto:apm_telescopes@web.de)

Models: 3-inch to 21-inch apochromatic refractors; 16-inch to 60-inch Cassegrain and Ritchey–Chrétien reflectors; 5-inch to 24-inch Maksutov–Cassegrain catadioptrics.

**Apogee, Incorporated**

P.O. Box 136, Union, IL 60180

Phones: 815-568-2880/877-923-1602

Web: [www.apogeeinc.com](http://www.apogeeinc.com) E-mail: [apogeeinc@sbcglobal.net](mailto:apogeeinc@sbcglobal.net)

Models: 80-mm and 90-mm RFT achromatic refractors; 80-mm apochromatic refractor; 135-mm Dobsonian reflector.

**Aries Instruments Company**

58 Ushakova st.kv.39, Kherson, 325026 Ukraine

Phone: 380-55-227-9653

Models: 6-inch, 7-inch, and 8-inch apochromatic refractors.

**Astro-Physics, Incorporated**

11250 Forest Hill Rd., Rockford, IL 61115

Phone: 815-282-1513

Web site: [www.astro-physics.com](http://www.astro-physics.com)

Models: 4.1-inch, 5.1-inch, and 6.1-inch “Starfire” apochromatic refractors.

**Boller & Chivens Division/Perkin-Elmer Corporation**

South Pasadena, CA

Models: 16-inch to 36-inch Cassegrain reflectors for advanced amateurs and professional observatories. Perkin-Elmer itself did the optics for the famed Hubble Space Telescope.

**Borg Telescopes/Hutech Corporation**

23505 Crenshaw Blvd., #225 Torrance, CA 90505

Phone: 310-325-5511/877-289-2647

Web site: [www.sciencecenter.net/hutech](http://www.sciencecenter.net/hutech)

Models: 3-inch and 4-inch achromatic refractors; 3.1-inch, 3.5-inch, and 5.5-inch apochromatic refractors.

**Brashear (John) Optical Company**

Pittsburgh, PA

Models: achromatic refractors to 30-inches; Newtonian and Cassegrain reflectors to 72-inch aperture, for professional observatories – plus many student-observatory and amateur-class instruments (primarily refractors 4-inch to 12-inch in size). Later became J.W. Fecker (see below). The company was eventually taken over by Contraves-Goerz and operates today as Brashear LP, manufacturing custom-made, ultra-large-aperture (325-inch-class!) telescopes for astronomical research and military applications.

**Bushnell Performance Optics/Bausch & Lomb**

9200 Cody St., Overland Park, KS 66214

Phones: 913-752-3400/800-423-3537

Web site: [www.bushnell.com](http://www.bushnell.com)

Models: 4.5-inch “Voyager” RFT reflector; 3-inch, 4.5-inch, 6-inch, and 8-inch Newtonian reflectors; 90-mm Maksutov–Cassegrain catadioptric. Also markets a series of small-aperture, low-end achromatic refractors which, unfortunately, use many plastic parts in the tube assemblies and mountings. B&L took over Criterion Manufacturing (see below) and for a number of years sold its “Dynamax” 6-inch and 8-inch Schmidt–Cassegrain catadioptrics under their name, adding a 4-inch model to the line as well.

**Cave Optical Company**

Long Beach, CA

Models: famed line of “Astrola” 6-inch, 8-inch, and 10-inch RFT reflectors; 6-inch, 8-inch, 10-inch, 12.5-inch, 16-inch, and 18-inch Newtonian reflectors; 8-inch, 10-inch, 12.5-inch, and 16-inch Cassegrain reflectors; 4-inch and 6-inch achromatic refractors.

**Celestron International**

2835 Columbia St., Torrance, CA 90503

Phone: 310-328-9560

Web site: [www.celestron.com](http://www.celestron.com)

Models: 5-inch, 6-inch, 8-inch, 9.25-inch, 11-inch, and 14-inch Schmidt–Cassegrains; 4-inch Maksutov–Cassegrain; 3.1-inch, 4-inch, and 6-inch achromatic refractors; 4-inch apochromatic refractor; 3-inch, 4.5-inch, 6-inch, 8-inch, 11-inch, 14-inch, and 17.5-inch Newtonian reflectors. In its early years, Celestron made 10-inch, 16-inch, and 22-inch Schmidt–Cassegrains, many of which are still in use today. These were followed by its famed 8-inch Schmidt–Cassegrain (known today as the Classic C8), which rapidly became the largest-selling and most popular telescope in the world after the imported 60-mm refractor.

**Ceravolo Optical**

Toronto, Canada

Model: 8.5-inch Maksutov–Newtonian reflector.

**Cheshire Instruments**

Atlanta, GA

Models: Custom-made achromatic refractors from 5-inch to 12-inch in aperture in classic-style brass tubes.

**Chicago Optical**

Morton Grove, IL

Models: 4-inch and 6-inch RFT reflectors.

**Clark (Alvan) & Sons**

Cambridgeport, MA

Models: achromatic refractors to 36-inch (Lick Observatory) and 40-inch (Yerkes Observatory) aperture, plus numerous 4-inch to 12-inch refractors

for student/college observatories and amateur astronomers. Clark instruments are considered true classics and are much-sought-after collector's items in the smaller sizes today.

### **Coronado**

1674 S. Research Loop, Suite 436, Tucson, AZ 85710.

Phones: 520-740-1561/888-SUNWATCH

Web site: [www.coronadofilters.com](http://www.coronadofilters.com)

Models: dedicated solar telescopes – 40-mm to 140-mm aperture refractors with internal hydrogen-alpha (or calcium-K) narrow-bandpass filters.

### **Coulter Optical Company, Incorporated**

Idyllwild, CA

Models: the world's first commercial Dobsonian reflector was Coulter's 13.1-inch Odyssey-I, followed by 8-inch, 10.1-inch, 17.5-inch, and 27-inch instruments. After Coulter went out of business, some of the Odyssey models were reintroduced for a short while by Murnaghan Instruments (see below), but the Dobsonian line was eventually discontinued.

### **Criterion Manufacturing Company (later Criterion Scientific Instruments)**

Hartford, CT

Models: classic "Dynascope" series of 4-inch, 6-inch, and 8-inch Newtonian reflectors. The superb 6-inch RV-6 became one of the best-selling telescopes of all time and is still widely sought-after by observers and collectors today. Criterion also later manufactured 4-inch, 6-inch and 8-inch "Dynamax" Schmidt-Cassegrain catadioptrics. The company was eventually taken over by Bushnell/Bausch & Lomb (see above).

### **D&G Optical Company**

2075 Creek Rd., Manheim, PA 17545

Phone: 717-665-2076

Web site: [www.dgoptical.com](http://www.dgoptical.com)

Models: 5-inch, 6-inch, 8-inch, and 10-inch achromatic refractors, plus larger sizes custom-made upon request.

### **DFM Engineering, Incorporated**

1035 Delaware Ave., Unit D, Longmont, CO 80501

Phone: 303-772-9411

Web site: [www.dfmengineering.com](http://www.dfmengineering.com) E-mail: [sales@dfmengineering.com](mailto:sales@dfmengineering.com)

Models: custom-made, mainly observatory-class Cassegrain reflectors 16-inch to 50-inch in aperture.

### **DGM Optics**

P.O. Box 120, Westminster, MA 01473

Phone: 978-874-2985

Web site: [www.erols.com/dgmoptics](http://www.erols.com/dgmoptics)

Models: 4-inch to 9-inch aperture off-axis Newtonian reflectors.

**Dobbins Instrument Company**

Lyndhurst, OH

Models: 4.5-inch, 5-inch, 6-inch, 8-inch, and 10-inch achromatic refractors; 8-inch, 10-inch, and 12-inch Newtonian reflectors.

**Discovery Telescopes**

28752 Marquerite Parkway, Unit 12, Mission Viejo, CA 92692

Phone: 949-347-0142/877-523-4400

Web site: [www.discovery-telescopes.com](http://www.discovery-telescopes.com)

Models: 12.5-inch, 15-inch, 17.5-inch, 20-inch, and 24-inch Dobsonian reflectors.

**Ealing Optics Division/The Ealing Corporation**

Cambridge, MA

Models: 12-inch to 30-inch Cassegrain reflectors.

**Edmund Scientifics**

60 Pearce Ave., Tonowanda, NY 14150

Phone: 800-728-6999

Web site: [www.scientificsonline.com](http://www.scientificsonline.com)

Models: 60-mm achromatic refractor; 4.25-inch Astroscan RFT reflector (see Edmund Scientific Company below).

**Edmund Scientific Company**

Barrington, NJ

Models: creator of the famed 4.25-inch Astroscan RFT, which was eventually sold to Edmund Scientifics (an independent company – see above). Edmund also offered early 3-inch, 4.25-inch, 6-inch, and 8-inch basic Newtonian reflectors. In later years, an upgraded line of 3-inch, 4.25-inch, 6-inch, and 8-inch Newtonians was introduced, but then eventually discontinued when the decision was made to concentrate on industrial and military rather than hobbyist optics.

**Essential Optics**

Big Bear City, CA

Models: 8-inch, 10-inch, 12.5-inch, 14.25-inch, and 18-inch Newtonian reflectors.

**Excelsior Optics**

6341 Osprey Terrace, Coconut Creek, FL 33073

Phone: 954-574-0153

Web site: [www.excelsioroptics.com](http://www.excelsioroptics.com)

Models: 10-inch Newtonian reflectors (two).

**Fecker (J.W.), Incorporated**

Pittsburgh, PA

Models: 4-inch “Celestar” Newtonian reflector; 6-inch “Celestar” Maksutov-modified Cassegrain reflector. Also made many large observatory-class Newtonian and Cassegrain reflectors ranging from 24 inches to 72 inches in aperture. Successor to the John Brashear Optical Company (see above).

Fitz (Henry)

New York, NY

Models: 4-inch to 13-inch achromatic refractors by one of America's earliest telescope makers.

### **Galileo Telescopes**

13873 SW 119<sup>th</sup> Ave., Miami, FL 33186

Phone: 800-548-537

Web site: [www.galileospace.com](http://www.galileospace.com) E-mail: [customerservice@galileospace.com](mailto:customerservice@galileospace.com)

Models: 50-mm, 60-mm, 72-mm, and 80-mm achromatic refractors; 80-mm, 90-mm, 102-mm, and 120-mm Newtonian reflectors.

### **Goto Optical Manufacturing Company**

Tokyo, Japan

Web site: [www.goto.co.jp](http://www.goto.co.jp) E-mail: [info2@goto.co.jp](mailto:info2@goto.co.jp)

Models: 3.1-inch and 5-inch apochromatic refractors; 5-inch and 8.4-inch Newtonian reflectors; 7.9-inch coudé reflector; 17.7-inch Cassegrain reflector.

### **Grubb Parsons**

Newcastle upon Tyne, UK

Models: 18-inch and larger Newtonian and Cassegrain reflectors for professional (and some private) observatories. This historic company had produced many world-class instruments, including the 98-inch Isaac Newton and 170-inch William Herschel telescopes.

### **Hardin Optical**

1450 Oregon Ave., Bandon, OR 97411

541-347-4847/1-800-394-3307

Web: [www.hardinoptical.com](http://www.hardinoptical.com)

Models: 6-inch, 8-inch, 10-inch, and 12-inch Dobsonian reflectors.

### **Helios Telescopes/Optical Visions Limited**

Suffolk, UK

Web site: [www.opticalvision.co.uk](http://www.opticalvision.co.uk)

Models: 4.5-inch, 6-inch, and 8-inch Newtonian reflectors.

### **Infinity Scopes, LLC**

P.O. Box 69207, Tucson, AZ 85737

Phone: 520-248-0932

Web site: [www.infinityscopes.com](http://www.infinityscopes.com)

Model: Lightweight, ultra-portable 8-inch fork-mounted Newtonian reflector.

### **Intes Telescopes/ITE Astronomy**

16222 133<sup>rd</sup> Dr. N, Jupiter, FL 33478

Phone: 800-699-0906

Web site: [www.iteastronomy.com](http://www.iteastronomy.com)

Models: 6-inch, 7-inch, and 9-inch Maksutov-Cassegrain catadioptrics; 6-inch and 7-inch Maksutov-Newtonian catadioptrics.

**Intes Micro Company, Limited**

Moscow, Russia

Phone: 7-095-126-9903

Models: 5-inch, 6-inch, 7-inch, and 8-inch Maksutov–Newtonian catadioptrics; 6-inch to 16-inch aperture Maksutov–Cassegrain catadioptrics. (Not related to Intes Telescopes.)

**Jaegers (A.)**

Lynbrook, NY

Models: 2-inch, 3-inch, and 5-inch achromatic refractor optical-tube assemblies. Well-known in years past for their achromatic objectives up to 6-inch in aperture by those desiring to assemble their own refractors.

**Jim’s Mobile, Incorporated (JMI)**

8550 West 14<sup>th</sup> Ave., Lakewood, CO 80215

Phones: 303-233-5353/800-247-0304

Web site: [www.jimsmobile.com](http://www.jimsmobile.com) E-mail: [info@jmitelescopes.com](mailto:info@jmitelescopes.com)

Models: 6-inch, 12.5-inch, and 18-inch “Next Generation Telescopes” Newtonian reflectors. (See also Chapter 8 for their 6-inch, 10-inch, and 16-inch binocular telescopes.)

**Johnsonian Designs**

3466 E. Country Rd. 20-C, Unit B20, Loveland, CO 80537

Phone: 910-219-6392

Web Site: [www.johnsonian.com](http://www.johnsonian.com)

Models: 8-inch, 10-inch, and 12-inch “Pop-up” Dobsonian reflectors.

**Konus USA Corporation**

7275 NW 87<sup>th</sup> Ave., Miami, FL 33178

Phone: 305-592-5500

Web site: [www.konus.com](http://www.konus.com)

Models: 3.1-inch, 3.5-inch, 4-inch, 4.7-inch, and 6-inch achromatic refractors; 4.5-inch, 6-inch, and 8-inch Newtonian reflectors.

**LiteBox Telescopes**

1415 Kalakaua Ave., Suite 204, Honolulu, HI 96826

Phone: 808-524-2450

Web site: [www.litebox-telescopes.com](http://www.litebox-telescopes.com)

Models: 12.5-inch, 15-inch, and 18-inch Dobsonian reflectors.

**LOMO America, Incorporated**

15 E. Palatine Rd., Unit 104, Prospect Heights, IL 60070

Phones: 847-215-8800/888-263-0356

Web site: [www.lomoamerica.com](http://www.lomoamerica.com) E-mail: [infor@lomoamerica.com](mailto:infor@lomoamerica.com)

Models: 2.8-inch to 8-inch Maksutov–Cassegrain catadioptrics; 4-inch to 8-inch Maksutov–Newtonian catadioptrics – all made in Russia.

**Mag 1 Instruments**

16342 W. Coachlight Dr., New Berlin, WI 53151

Phone: 262-785-0926

Web site: [www.mag1instruments.com](http://www.mag1instruments.com)

Models: 8-inch, 10-inch, 12.5-inch, and 14.5-inch “PortaBall” Newtonian reflectors.

### MC Telescopes

RR #3, Box 3745, Nicholson, PA 18446

Phone: 570-942-6838

Web site: [www.mctelescopes.com](http://www.mctelescopes.com)

Models: 10-inch, 12.5-inch, 15-inch, 16-inch, and 18-inch Dobsonian reflectors.

### Meade Instruments Corporation

6001 Oak Canyon, Irvine, CA 92618

Phones: 949-451-1450/800-919-4047

Web site: [www.meade.com](http://www.meade.com)

Models: 60-mm, 70-mm, 80-mm, 90-mm, 5-inch, and 6-inch achromatic refractors; 4-inch, 5-inch, 6-inch, and 7-inch apochromatic refractors; 3-inch to 12-inch Newtonian reflectors; 6-inch, 8-inch, and 10-inch Schmidt–Newtonian catadioptrics; 90-mm, 105-mm, 125-mm and 7-inch Maksutov–Cassegrain catadioptrics; 8-inch, 10-inch, 12-inch, 14-inch, and 16-inch Schmidt–Cassegrains; 10-, 12-, 14- and 16-inch Ritchey–Chrétien catadioptric reflectors.

### Murnaghan Instruments

1781 Primrose Lane, West Palm Beach, FL 33414

Phone: 561-795-2201

Web site: [www.e-scopes.cc/murnaghan\\_instruments\\_corp56469](http://www.e-scopes.cc/murnaghan_instruments_corp56469)

Models: 90-mm and 4-inch achromatic refractors; 4.5-inch and 6-inch Newtonian reflectors. Also marketed Coulter Optical’s Odyssey Dobsonian reflectors (see above) for a brief period, then subsequently discontinued making them.

### NightSky Scopes, LLC

61432 Daspit Rd., Lacombe, LA 70445

Phone: 985-882-9269

Web site: [www.nightskyscopes.com](http://www.nightskyscopes.com)

Models: 12.5-inch, 14.5-inch, 16-inch, 18-inch, 20-inch, and 22-inch Dobsonian reflectors.

### Novosibirsk Instruments/TAL Instruments

Novosibirsk, Russia

Web site: [www.telescopes.co.ru](http://www.telescopes.co.ru)

Models: 2.5-inch, 3.1-inch, 4.3-inch, 4.7-inch, and 6-inch Newtonian reflectors.

### ObservatoryScope

P.O. Box 818, Ellijay, GA 30540

Phone: 706-636-1177

Web site: [www.ObservatoryScope.com](http://www.ObservatoryScope.com)

Models: 20-inch to 36-inch aperture Ritchey–Chrétien reflectors.



**Obsession Telescopes**

P.O. Box 804, Lake Mills, WI 53551

Phone: 920-648-2328

Web site: [www.obsessiontelescopes.com](http://www.obsessiontelescopes.com)

Models: 12.5-inch, 15-inch, 18-inch, 20-inch, and 25-inch Dobsonian reflectors. (Also formerly made 30-inch and 32-inch aperture Dobsonians!)

**Optical Craftsmen (The)**

Chatsworth, CA

Models: 3-inch to 16-inch Newtonian, Cassegrain, and Newtonian–Cassegrain reflectors. Their 8-inch Discoverer Newtonian was one of the finest instruments in its aperture class ever offered to stargazers.

**Optical Guidance Systems**

2450 Huntingdon Pike, Huntingdon Valley, PA 19006

Phone: 215-947-5571

Web site: [www.opticalguidancesystems.com](http://www.opticalguidancesystems.com)

Models: 10-inch to 32-inch Cassegrain reflectors; 10-inch to 32-inch Ritchey–Chrétien reflectors.

**Optical Techniques, Incorporated**

Newtown, PA

Models: 4-inch and 6-inch Quantum Maksutov–Cassegrains, manufactured by former Questar (see below) employees.

**Orion Optics UK**

Cheshire, UK

Web site: [www.orionoptics.co.uk](http://www.orionoptics.co.uk)

Models: 4.5-inch, 6-inch, 8-inch, 10-inch, and 12-inch Newtonian reflectors; 5.5-inch Maksutov–Cassegrain catadioptric. Not related to Orion Telescopes & Binoculars (next).

**Orion Telescopes & Binoculars**

P.O. Box 1815, Santa Cruz, CA 95061

Phones: 800-676-1343/800-447-1001

Web site: [www.oriontelescopes.com](http://www.oriontelescopes.com)

Models: 80-mm RFT achromatic refractor; 60-mm, 70-mm, 90-mm, 100-mm, and 120-mm achromatic refractors; 80-mm semi-apochromatic refractor; 100-mm apochromatic refractor; 90-mm, 102-mm, 127-mm, and 150-mm Maksutov–Cassegrain catadioptrics; 3-inch, 4.5-inch, 5.1-inch, 6-inch, 8-inch, 10-inch, and 12-inch Newtonian reflectors; 3.6-inch off-axis (unobstructed) Newtonian reflector; 4.5-inch StarBlast RFT reflector; 8-inch, 9.25-inch, and 11-inch Schmidt–Cassegrain catadioptrics (made by Celestron for Orion, under the latter's label).

**Pacific Telescope Company/Synta Optical Technology Corporation (Suzhou, China)**

160-11880 Hammersmith Way, Richmond, BC, Canada V7A 5C8

Phone: 604-241-7027

Web site: [www.skywatchertelescope.com](http://www.skywatchertelescope.com)

Models: 3.1-inch, 3.5-inch, 4-inch, 4.7-inch, and 6-inch achromatic refractors; 80-mm, 100-mm, and 120-mm apochromatic refractors; 4.5-inch, 5.1-inch, 6-inch, and 8-inch Newtonian reflectors; 6-inch, 8-inch, and 10-inch Dobsonian reflectors; 6-inch and 7-inch Maksutov–Cassegrains.

#### **Parallax Instruments**

P.O. Box 303, Montgomery Center, VT 05471

Phone: 802-326-3140

Web site: [www.parallaxinstruments.com](http://www.parallaxinstruments.com)

Models: 10-inch to 20-inch Cassegrain reflectors; 10-inch to 20-inch Ritchey–Chrétien reflectors.

#### **Parks Optical**

750 E. Easy St., Simi Valley, CA 93065

Phone: 805-522-6722

Web site: [www.parksoptical.com](http://www.parksoptical.com)

Models: 4.5-inch Companion RFT reflector; 6-inch, 8-inch, 10-inch, 12.5 inch, and 16-inch Newtonian reflectors; 6-inch to 16-inch Newtonian–Cassegrain reflectors.

#### **Pentax Corporation**

35 Inverness Dr. East, Englewood, CO 80155

Phone: 800-877-0155

Web site: [www.pentax.com](http://www.pentax.com)

Models: 65-mm, 85-mm, and 100-mm achromatic refractors; 65-mm, 75-mm, 85-mm, and 100-mm apochromatic refractors.

#### **Photon Instrument, Limited**

122 E. Main St., Mesa, AZ 85201

Phones: 480-835-1767/800-574-2589

Web site: [www.photoninstrument.com](http://www.photoninstrument.com) E-mail: [telescopes@photoninstrument.com](mailto:telescopes@photoninstrument.com)

Models: 102-mm and 127-mm achromatic refractors. Photon is also one of the premier companies for the repair and restoration of classic, amateur, and professional instruments.

#### **Questar Corporation**

6204 Ingham Rd., New Hope, PA 18938

Phone: 215-862-5277/800-247-9607

Web site: [www.questarcorporation.com](http://www.questarcorporation.com)

Models: 3.5-inch and 7-inch Questar Maksutov–Cassegrain catadioptrics. Also 12-inch custom-made Maksutov–Cassegrain observatory model upon special order. The 3.5-inch Questar was the world's first commercial catadioptric telescope, and early models are much sought-after by collectors today.

#### **RC Optical Systems**

3507 Kiltie Loop, Flagstaff, AZ 86001

Phone: 520-773-7584

Web site: [www.rcopticalsystems.com](http://www.rcopticalsystems.com)

Models: 10-inch, 12.5-inch, 16-inch, and 20-inch Ritchey–Chrétien reflectors.

RVR/Asko

Rochester, NY

Models: 12.2-inch, 15.7-inch, and 17.7-inch Newtonian reflectors.

Skyscope Company, Incorporated (The)

New York, NY

Model: marvelous little 3.5-inch Newtonian reflector with  $60\times$  eyepiece that got many stargazers of the past generation started in astronomy at a very affordable price.

**Sky Valley Scopes**

9215 Mero Rd., Snohomish, WA 98290

Phone: 360-794-7757

E-mail: [info@skyvalleyscopes.com](mailto:info@skyvalleyscopes.com)

Models: 12-inch to 18-inch Dobsonian reflectors.

Spacek Instrument Company

Pottstown, PA

Models: 4-inch, 6-inch, and 8-inch Newtonian reflectors; 12-inch Cassegrain reflector; 6-inch refractor; 10-inch Newtonian–Maksutov camera.

S&S Optika

Englewood, CO

Model: excellent, affordable 6-inch Newtonian reflector.

Stargazer Steve

Sudbury, Ontario, Canada

Models: beginner's 4.25-inch Newtonian reflector; 4.25-inch and 6-inch Dobsonian reflector kits.

Star Liner

Tucson, AZ

Models: 6-inch, 8-inch, and 16-inch Newtonian reflectors; 8-inch, 10-inch, 12.5-inch, and 14.25-inch Cassegrain reflectors.

**StarMaster Telescopes**

2160 Birch Rd., Arcadia, KS 66711

Phone: 620-638-4743

Web site: [www.starmastertelescopes.com](http://www.starmastertelescopes.com)

Models: 11-inch, 12.5-inch, 14.5-inch, 16-inch, 18-inch, 20-inch, and 24-inch Dobsonian reflectors.

**Starsplitter Telescopes**

3228 Rikkard Dr., Thousand Oaks, CA 91362

Phone: 805-492-0489

Web site: [www.starsplitter.com](http://www.starsplitter.com)

Models: 8-inch, 10-inch, 12.5-inch, 15-inch, 20-inch, 24-inch, 28-inch, and 30-inch Dobsonian reflectors.

**Stellarvue**

11820 Kemper Rd., Auburn, CA 95603

Phone: 530-823-7796

Web site: [www.stellarvue.com](http://www.stellarvue.com)

Models: 3.1-inch and 4-inch achromatic refractors; 4-inch semi-apochromatic refractor; 4-inch, 6-inch apochromatic refractor.

**Swift Instruments, Incorporated**

952 Dorchester Ave., Boston, MA 02125

Phones: 617-436-2960/800-446-1116

Web site: [www.swift-optics.com](http://www.swift-optics.com)

Models: 2.4-inch and 3-inch achromatic refractors.

**Takahashi/Texas Nautical Repair, Incorporated**

3110 S. Shepherd Dr., Houston, TX 77098

Phone: 713-529-3551

Web site: [www.takahashiamerica.com](http://www.takahashiamerica.com)

Models: 2.4-inch, 3-inch, 3.5-inch, 4-inch, 4.2-inch, 5-inch, 6-inch, and 8-inch apochromatic refractors; 5.2-inch, 6.3-inch, and 7.9-inch Newtonian reflectors; 8.3-inch Newtonian-Cassegrain reflector; 7.1-inch, 8.3-inch, 9.8-inch, and 11.8-inch Dall-Kirkham reflectors; 10-inch Ritchey-Chrétien reflector. Also 6.3-inch, 8.3-inch, and 9.8-inch modified Newtonian short-focus reflectors with hyperbolic primary mirror and four-element corrector/field flattener lens for both wide-field photographic and visual use.

**Tasco/Bushnell Performance Optics**

9200 Cody St., Overland Park, KS 66214

Phones: 913-752-3400/800-423-3537

Web site: [www.tasco.com](http://www.tasco.com)

Models: 50-mm, 60-mm, and 76-mm refractors; 3-inch RFT and 4.5-inch Newtonian reflectors. Tasco was the largest and best known of numerous companies (including Jason/Empire and Mayflower) importing and marketing small achromatic refractors from the Far East. It was subsequently taken over by Bushnell.

**Tectron Telescopes**

Chieffland, FL

Models: 20-inch and 25-inch Dobsonian reflectors.

**Telescope Engineering Company (TEC)**

15730 West 6<sup>th</sup> Ave., Golden, CO 80401

Phone: 303-273-9322

Web site: [www.telescopengineering.com](http://www.telescopengineering.com)

Models: 140-mm apochromatic refractor; 6-inch, 8-inch, and 10-inch Maksutov-Cassegrain catadioptrics; 7-inch and 8-inch Maksutov-Newtonian catadioptrics.

**Teleport Telescopes**

4030 N. Highway 78, Wylie, TX 75098

Phone: 972-442-5232

Web site: [www.teleporttelescopes.com](http://www.teleporttelescopes.com)

Models: 7-inch and 10-inch Dobsonian reflectors.

### **Tele Vue Optics, Incorporated**

32 Elkay Dr., Chester, NY 10918

Phone: 845-469-4551

Web site: [www.televue.com](http://www.televue.com)

Models: 60-mm, 70-mm, 76-mm, 85-mm, 101-mm, 102-mm, and 127-mm state-of-the-art apochromatic refractors. Tele Vue also manufactures the famed “Nagler” series of highly corrected, ultra-wide-angle eyepieces designed by company founder and optical genius Al Nagler.

### **3-B Optical Company**

Mars, PA

Models: 6-inch to 12-inch Dall–Kirkham reflector optics kits. Its ads in *Sky & Telescope* magazine caused quite a sensation with their bolded header “**3 MILES FROM MARS!**” (implying that the Red Planet could be seen that close with their optics – but actually only referring to their address here on Earth!).

### **Tinsley Laboratories, Incorporated**

Berkeley, CA

Models: 5-inch Maksutov–Cassegrain; 12-inch Cassegrain reflector. Also manufactured large observatory-class telescopes.

### **TMB Optical**

P.O. Box 44331, Cleveland, OH 44144

Phone: 216-524-1107

Web site: [www.tmboptical.com](http://www.tmboptical.com)

Models: 80-mm to 10-inch apochromatic refractors (10 different apertures).

### **Unitron, Incorporated**

170 Wilbur Place, Bohemia, NY 11716

Phone: 631-589-6666

Web site: [www.unitronusa.com](http://www.unitronusa.com)

Models: 2.4-inch, 3-inch, and 4-inch achromatic refractors. Unitron refractors produced from the early 1950s to the early 1970s are considered classics, and are much sought-after today on the used market by observers and collectors alike. At one time Unitron offered as many as 26 models, ranging from 1.6-inch to 6-inch in aperture!

### **Unertl (John) Optical**

Pittsburgh, PA

Models: 60-mm to 90-mm short-focus achromatic refractors (essentially spotting scopes); custom-made reflectors of various sizes and types, including an 8-inch aperture modified Cassegrain reflector with stationary eyepiece.

### **VERNONscope/Brandon Optical**

Ithaca, NY

Models: 94-mm and 130-mm apochromatic refractors. Brandon made an excellent 3-inch achromatic refractor in the past and was famous for its

orthoscopic eyepieces, which are still manufactured by VERNONscope today.

**Vixen North America/Tele Vue Optics**

32 Elkay Dr., Chester, NY 10918

Phone: 845-469-8660

Web site: [www.vixenamerica.com](http://www.vixenamerica.com)

Models: 60-mm, 80-mm, 90-mm, 102-mm, 4.7-inch, and 5.1-inch achromatic refractors; 80-mm, 4-inch, 4.5-inch, and 5.1-inch apochromatic refractors; 8-inch Cassegrain reflector.

**William Optics USA**

4200 Avenida Sevilla, Cypress, CA 90630

Phone: 714-209-0388

Web site: [www.william-optics.com](http://www.william-optics.com) E-mail: [wo@william-optics.com](mailto:wo@william-optics.com)

Models: 66-mm, 80-mm, and 105-mm apochromatic refractors.

**Zeiss (Carl) Jena**

Jena, Germany

Web site: [www.zeiss.de](http://www.zeiss.de)

Zeiss withdrew from the amateur telescope market in 1994 and discontinued making instruments smaller than 16 inches in aperture in order to concentrate on their world-class large-observatory models. Superb Zeiss apochromatic refractors 4-inch (100-mm), 5-inch (130-mm) and 6-inch (150-mm) in aperture, plus a 7-inch (180-mm) Maksutov-Cassegrain, were marketed briefly through their US distributor, Seiler Instrument & Manufacturing Company in St. Louis, MO. Many of these instruments are actively in use today by observers who wanted to have the finest optics money could buy – from a truly world-class optical firm.