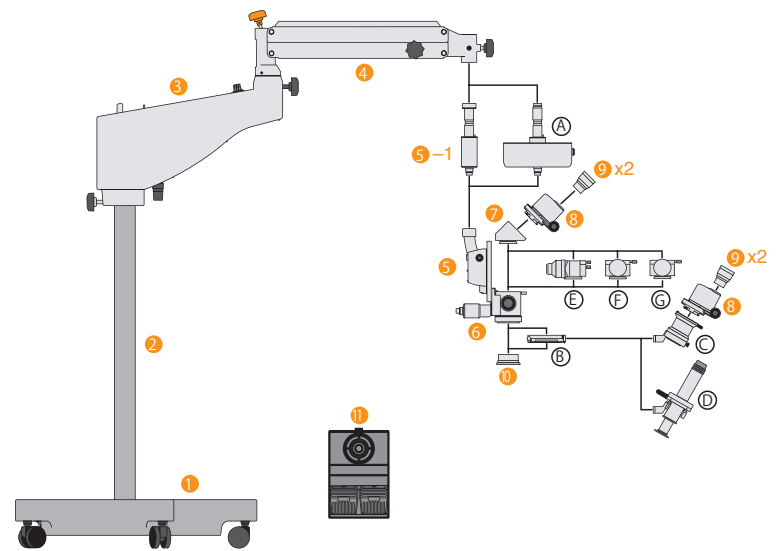


System Chart



Specifications

Main microscope	
Binocular tube	Parallel 45° inclined binocular tube
Objective lens	F=200mm
Eyepieces	12.5x
Magnification change type	Drum type with 5 changes
Total magnification	3.4x, 5.3x, 8.5x, 13.6x, 21.2x
Field of view	φ 66.2, φ 42.4, φ 26.5, φ 16.6 φ 10.6mm
X-Y Translator (option)	Range: ±25mm

Arm(counter-balanced)	
Length	1st arm:400mm; 2nd arm:560mm
Rotational angle	1st arm:360°; 2nd arm:300°
Column base	
Base dimension	φ 740mm
Power unit	
Primary voltage	AC100-120 / AC220-240V
Power frequency	50-60Hz
Maximum power consumption	280VA
Weight	
Weight	96kg

*Subject to change in design and/or specifications without advanced notice.

IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.



TOPCON CORPORATION



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Operation Microscope
OMS-90



TOPCON CONNECTING VISIONS
TOPCON CORPORATION
75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan. Phone:3-3558-2523/2522 Fax:3-3965-6898 www.topcon.co.jp

TOPCON MEDICAL SYSTEMS, INC.
111 Bauer Drive, Oakland, NJ 07436, U.S.A.
Phone:+1-201-599-5100 Fax:+1-201-599-5250 www.topconmedical.com

TOPCON MEDICAL LASER SYSTEMS, INC.
3130 Coronado Drive Santa Clara, California 95054 USA
Phone:+1-408-235-8200 Phone:(USA only)+1-888-760-8657
Fax:+1-408-235-8259 E-mail: tmlsinfo@topcon.com

TOPCON CANADA INC.
110 Provencier Avenue, Boisbriand, QC J7G 1N1 CANADA
Phone:+1-450-430-7771 Fax:+1-450-430-6457 www.topcon.ca

TOPCON EUROPE MEDICAL B.V.
Essebaan 11; 2908 LJ Capelle a/d IJssel; P.O.Box145;
2900 AC Capelle a/d IJssel; THE NETHERLANDS
Phone:+31 -(0)10-4585077 Fax:+31 -(0)10-4585045
E-mail: medical@topcon.nl; www.topcon.eu

ITALY OFFICE
Viale dell' Industria 60; 20037 Paderno Dugnano; (Milano), ITALY
Phone:+39-02-9186671 Fax:+39-02-91081091 E-mail: info@topcon.it; www.topcon.it

DANMARK OFFICE
Praestemarksvej 25; 4000 Roskilde, DANMARK
Phone:+45-46-327500 Fax:+45-46-327555
E-mail: topcon@topcondanmark.dk www.topcondanmark.dk

IRELAND OFFICE
Unit 276, Blanchardstown; Corporate Park 2 Ballycoolin Dublin 15, IRELAND
Phone:+353-18975900 Fax:+353-18293915 E-mail: medical@topcon.ie; www.topcon.ie

TOPCON S.A.R.L.
BAT A1 3 route de la révolte 93206 SAINT DENIS CEDEX
Tel : +33 1 49 21 23 23 Fax : +33 1 49 21 23 24 E-mail:topcon@topcon.fr; www.topcon.fr

TOPCON DEUTSCHLAND G.m.b.H.
Hanns-Martin-Schleyer Strasse 41; D-47877 Willich, GERMANY
Phone:+49-(0)2154-9850 Fax:+49-(0)2154-985177 E-mail:med@topcon.de; www.topcon.de

TOPCON SCANDINAVIA A.B.
Neogatan 2; P.O.Box 25; 43151 Mölndal, SWEDEN
Phone:+46-(0)31-7109200 Fax:+46-(0)31-7109249 E-mail:medical@topcon.se; www.topcon.se

TOPCON ESPAÑA S.A.
HEAD OFFICE
Frederic Mompou 4 Esc. A Bajos 3, 08960 Sant Just Desvern Barcelona, SPAIN
Phone:+34-93-4734057 Fax:+34-93-4733932 E-mail: medica@topcon.es; www.topcon.es

TOPCON (GREAT BRITAIN) LTD.
Topcon House, Kennet Side, Bone Lane, Newbury, Berkshire RG14 5PX United Kingdom
Phone:+44-(0)1635-551120 Fax:+44-(0)1635-551170 E-mail:medical@topcon.co.uk; www.topcon.co.uk

TOPCON POLSKA Sp. z. o. o.
ul. Warszawska 23; 42-470 Siewierz, POLAND
Phone:+48-(0)32-6705045 Fax:+48-(0)32-6713405 www.topcon-polska.pl

TOPCON SINGAPORE MEDICAL PTE. LTD.
1 JALAN KILANG TIMOR #09-01 PACIFIC TECH CENTRE SINGAPORE 159303
Phone:+65-68720605 Fax:+65-67736150 E-mail:medical_sales@topcon.com.sg www.topcon.com.sg

TOPCON INSTRUMENTS (MALAYSIA) SDN.BHD.
No. D1, (Ground Floor), Jalan Excella 2, Off Jalan Ampang Putra,
Taman Ampang Hilir, 55100 Kuala Lumpur, MALAYSIA
Phone:+60-(0)3-42709866 Fax:+60-(0)3-42709766

TOPCON INSTRUMENTS (THAILAND) CO., LTD.
77/162 Sinnsathorn Tower, 37th Floor, Krungthoburi Rd., Klongtonnai,
Klongsarn, Bangkok 10600, THAILAND
Phone:+66-(0)2-440-1152-7 Fax:+66-(0)2-440-1158

TOPCON CORPORATION BEIJING OFFICE
Block No.9, Kangding Street Beijing Economic-Technological Development Area,
Beijing, 100178, CHINA
Phone:+86-(0)10-6780-2799 Fax:+86-(0)10-6780-2790

TOPCON CORPORATION SHANGHAI OFFICE
14L Huamin Empire Plaza, No.726, Yan-an Xi Road,
Shanghai, 200050, CHINA
Phone:+86-(0)21-5238-7722 Fax:+86-(0)21-5237-0761

TOPCON CORPORATION BEIRUT OFFICE
P.O.Box 70-1002 Antelias, Beirut, LEBANON
Phone:+961-4-523525/523526 Fax:+961-4-521119

TOPCON CORPORATION DUBAI OFFICE
P.O.Box 293705, Dubai Airport Free Zone L.L.U. J-12, Dubai, U.A.E
Phone:+971-4-299-5900 Fax:+971-4-299-5901

An innovative concept providing optimal observation and versatile operation

The following unique features are
incorporated in the OMS-90
Operation Microscope:

Coaxial Illumination

Stain-proof Coated Objective Lens

Parallel Binocular Tube

PD Adjustment Knob

Built-in Yellow Filter

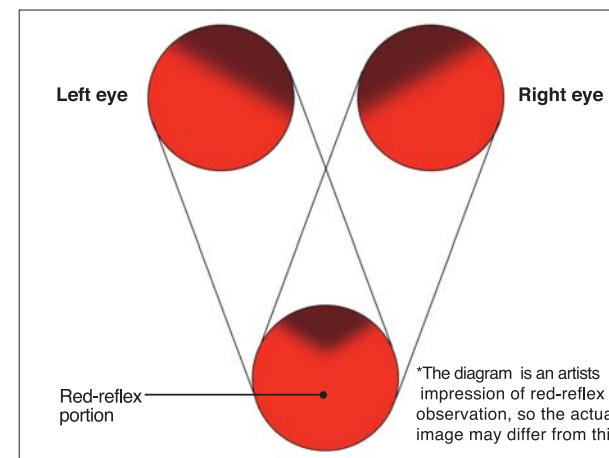
Compact Base

OMS-90
OPERATION MICROSCOPE



Coaxial Illumination

The newly designed illumination system of the OMS-90 assures the finest optical performance. The optical system has been fitted with a new and innovative design that allows the surgeon to view a sharper image, with more clarity than ever before.



The illumination system of the OMS-90 produces a superior red-reflex image for assistance in surgical procedures. As shown in the diagram, the innovative system design merges two improved field of views to produce an enhanced red-reflex and unparallel image quality.

Stain-proof Coated Objective Lens (F=200mm)

The newly developed stain-proof coating is applied to help retain a clear viewing area. The focal length (F=200mm) provides the standardized comfortable working distance.

Parallel Binocular Tube

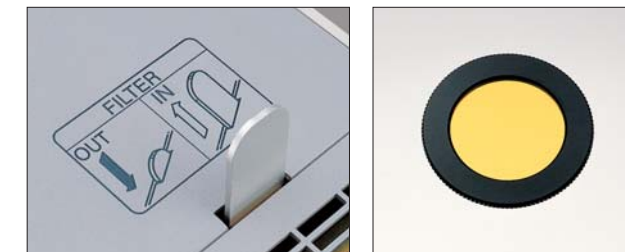
The parallel binocular tube provides a natural stereoscopic view.

PD Adjustment Knob

The built-in PD adjustment feature offers easy alignment.

Built-in Yellow Filter

The flip in/out yellow filter is built into the system to allow full protection against retina phototoxicity.

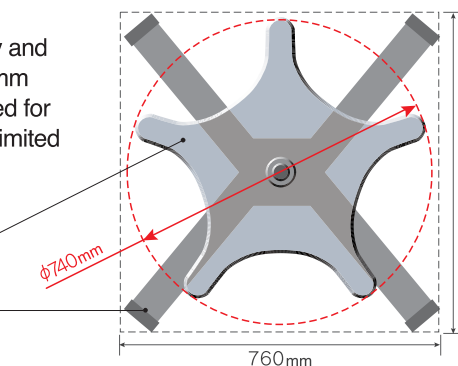


Compact Base

The new sturdy and compact $\phi 740$ mm base is designed for optimal use of limited operating room floor space.

OMS-90

Previous model



Optional Accessories

X-Y Translator

The X-Y translator adapter provides precise movement around the surgical field. A one-touch re-centering button is provided.



Assistant's Microscope

The parallel binocular assistant's microscope provides easy positioning, a wide field of view and 30 degrees of rotation.



Beam Splitter (80/20 or 50/50)

An 80/20 or a 50/50 beam splitter is available for the attachment of documentation devices.

Oblique Illuminator

The oblique illuminator offers a supplemental light source for indirect illumination. The slit will rotate 30 degrees and adjust from 0 to 20mm in width.



Accessory Adapter Model 2

The accessory adapter is required to attach the assistant's microscope and/or the oblique illuminator to the OMS-90.

1/2 TV Attachment

The 1/2 TV attachment incorporates a built-in beam splitter and lets the user connect a 1/2 inch C-mount camera to the OMS-90.