# OLYMPUS®

# SZ SERIES

Zoom Stereo Microscopes



# Advanced Technological Features in a S Enhanced Cost Effectiveness



# m Design for



#### Ideal image qualities for ultra-precise examination

The SZ series employs newly-designed Greenough optics, based on MTF (Modulation Transfer Function) analysis, for improved image flatness and contrast. As a result, images are brighter and more distinct even at the periphery of the field of view. With their large zoom range, these stereo microscopes are ideal for high-magnification, high-resolution observation in biological research, precision-oriented semi-conductor and other industries.

#### The microscope body your specialty demands

The SZ series includes various types of cost-effective microscope bodies to meet the reeds of coaxial vertical illumination and TV observation. There are four different zoom ratio types with trinocular and binocular models at forty-five- and sixty-degree inclinations, with some models offering built-in coaxial vertical illuminators. Also, each tube allows interpupillary distance and diopter adjustments to suit the user.

- Shade-free images of the specimen
  The coaxial vertical illuminator features a
  polarizer and 1/4" wavelength retardation
  plate for shade-free images that retain a
  high level of brightness through the entire
  depth of the specimen. As a further benefit,
  observation of liquid crystals and glass
  membrane-covered hybrid ICs is much
  simpler and more comfortable than with
  conventional models.
- Trinocular tube with simple focusing
  Photomicrographic equipment or a TV camera
  may be mounted on the triocular tube. With
  the C-mount TV adapter mounted, focusing
  of both the binocular tube and TV monitor is
  extremely simple. And super widefield TV
  observation through twice the area of
  conventional microscopes is also possible.

#### New GSWH series super widefield eyepieces

SZ series microscopes come with super widefield, high-eyepoint GSWH1 OX eyepieces, which enable observation over a wide area and are convenient for operators who wear glasses. 1 OX, 15X, 20X and 30X eyepieces are available.



#### Simple mounting to bonders and probers

Because of Its original slim design and long working distance, the SZ series is perfect for use with bonders and probers. Various arms are available, allowing simple mounting to existing equipment And zoom magnification adjustment knobs are mounted at the high positron of the observation tube, which in turn provides extra convenience when mounting the microscope to other devices.



An SZ microscope mounted onto a prober (photo courtesy of Tokyo Electron Ltd.)

#### A wide assortment of specialized accessories

A variety of accessones are available for use with the SZ series, including a transilluminator base and universal stand Some accessories designed for the SZH series-Olympus' top-of-the-line zoom stereo microscopes-may also be adapted to the SZ series.

# 4 Types/14 Models Available Accommodating a Variety of High-Resolution, High-Magnification Microscopy

The sophisticated SZ11 microscope proves a powerful tool in the inspection of high-density ICs. examination of precision components and biotechnological fields.

SZ1145CHI BINOCULAR TUBE WITH BUILT-IN COAXIAL VERTICAL ILLUMINATOR
SZ1145TR PT TRINOCULAR TUBE WITH PHOTO TUBE
SZ1145TR CTV TRINOCULAR TUBE WITH C-MOUNT
SZ1145 BINOCULAR TUBE (INCLINED 45°)

The SZ11 series offers an extended zoom range for coverage of total magnification from 18X to 330X with high specification. In addition to high resolution image and high

magnification, the series offers a working distance as long as 73mm and also the best suitability to inspection/assemble for high integrated circuit/high precise experiment. As a further benefit, it is very efficient also in the field of biology.



Auxiliary objectives: 0.5X, 1.5X, 2X





#### Pagic Specifications

Model	SZ1145 CHI	SZ1145 TRPT	SZ1145 TRCTV	SZ1145		
Туре	Greenough					
Objective	1.8X – 11X Zoom ratio: 6.1:1					
Working distance	63mm 73mm					
Observation tube inclination angle		4	5°			
Interpupillary distance adjustment range	50-	76mm (left and rig	ght controls interlock	ked)		
Diopter adjustment	±5 diopter (available on both eyes)					
Observation tube	w/ coaxial stand illuminator	Trinocular, w/ photo tube	Trinocular, w/ TV adapter	Binocular		

#### Optical Performance

			Eyes	iece		-	yepiece	(Optiona	d)	
Microscope body	Zoom magnifi-	Working GSWH10X distance F.N. 22		GSWH15X F.N. 16.5		GSWH20X F.N. 12.5		GSWH30X F.N. 7		
	cation (mm)	_	Field of view (mm)	Total magnifi- cation	Field of view (mm)	Total magnifi- cation	Field of view (mm)	Total magnifi- cation	Field of view (mm)	
	1.8X	73	18X	12.2	27X	9.2	36X	6.9	54X	3.9
SZ1145	4X		40X	5.5	60X	4.1	80X	3.1	120X	1.8
SZ1145TR	8X		80X	2.8	120X	2.1	160X	1.6	240X	0.9
	11X		110X	2	165X	1.5	220X	1.1	330X	0.6
	1.8X		18X	12.2	27X	9.2	36X	6.9	54X	3.9
CZALAFOLII	4X	63	40X	5.5	60X	4.1	80X	3.1	120X	1,8
SZ1145CHI	8X	63	80X	2.8	120X	2.1	160X	1.6	240X	0.9
	11X		110X	2	165X	1.5	220X	1.1	330X	0.6

#### Auxiliary Objectives (optional)

Auxiliary objective	Working distance	Coaxial stand illuminato usable range				
	(mm)	GSWH10X	GSWH20X			
73AL0.5X	114	Δ	Δ			
73AL1.5X	36	Δ	0			
73AL 2X	19	Δ	0			

- O: Usable at virtually all magnification factors. △: The field of view may darken at the periphery at low magnification factors.

  With the 1/4 wavelength retardation plate mounted, the working
- distance decreases by 10mm.
   73AL1.5X and 73AL2X cannot be combined with the optional fiber optics ring light (LGR-2).

#### The compact, lightweight design of the SZ60 is optimal for industrial inspection requiring high magnification powers and for machine mounting.

SZ6045CHI BINOCULAR TUBE WITH BUILT-IN COAXIAL VERTICAL ILLUMINATOR SZ6045TR TT TRINOCULAR TUBE WITH PHOTO TUBE SZ6045TR CTV TRINOCULAR TUBE WITH C-MOUNT SZ6045 BINOCULAR TUBE (INCLINED 45°)

This series delivers sharp, high-contrast images and an excellent zoom range of 6.3:1 that guarantees observation of exceptionally high resolution images throughout a wide magnification range. 100mm working distance simplifies observation deep into the specimen, making it perfect for industrial inspection and for mounting on devices.



Auxiliary objectives: 0.5X, 1.5X, 2X



#### Basic Specifications

Model	SZ6045 CHI	SZ6045 TRPT	SZ6045 TRCTV	SZ6045		
Type		Gree	nough			
Objective	1X ~ 6.3X Zoom ratio: 6.3:1					
Working distance	90mm 100mm					
Observation tube inclination angle		4	5°			
Interpupillary distance adjustment range	50~	76mm (left and rig	tht controls interlock	(ed)		
Diopter adjustment	±5 diopter (available on both eyes)					
Observation tube	w/ coaxial stand illuminator	Trinocular, w/ photo tube	Trinocular, w/ TV adapter	Binocular		

#### Optical Performance

			Eyep	iece		E	yepiece	(Optional	n	
Microscope body	Zoom magnifi-	Working			GSWH15X F.N. 16.5		GSWH20X F.N. 12.5		GSWH30X F.N. 7	
	cation (mm)	Total magnifi- cation	Field of view (mm)							
SZ6045	1X	100	10X	22	15X	16.5	20X	12.5	30X	7
	2X		20X	11	30X	8.3	40X	6.3	60X	3.5
SZ6045TR	4X		40X	5.5	60X	4.1	80X	3.1	120X	1.8
	6.3X		63X	3.5	95X	2.6	126X	2	189X	1.1
	1X		10X	22	15X	16.5	20X	12.5	30X	7
0700450111	2X	~	20X	11	30X	6.3	40X	6.3	60X	3.5
SZ6045CHI	4X	90	40X	5.5	60X	4.1	80X	3.1	120X	1.8
	6.3X		63X	3.5	95X	2.6	126X	2	189X	1.1

#### Auxiliary Objectives (optional)

Auxiliary objective	Working distance	Coaxial stand illuminate usable range				
	(mm)	GSWH10X	GSWH20X			
100AL0.5X	186	Δ	Δ			
100AL1.5X	56	Δ	0			
100AL 2X	36	Δ	Δ			

- C: Usable at virtually all magnification factors. A: The field of view may darken at the periphery at low magnification factors.
  With the 1/4 wavelength retardation plate mounted, the working distance decreases by 10mm.

  100AL2X cannot be combined with the optional fiber optics ring light (LGP-2).

A basic and versatile model, the SZ40 can be mounted on equipment and satisfies a wide range of applicationsfrom training to uses in the pharmaceuticals field.

SZ4045CHI BINOCULAR TUBE WITH BUILT-IN COAXIAL VERTICAL

SZ4045CHI BINOCULAR TUBE WITH BUILT-IN COAXIAL ILLUMINATOR
SZ4045TR PT TRINOCULAR TUBE WITH PHOTO TUBE
SZ4045TR CTV TRINOCULAR TUBE WITH C-MOUNT
SZ4045 BINOCULAR TUBE (INCLINED 45°)
SZ4060 BINOCULAR TUBE (INCLINED 60°)

The SZ40 series offers a working distance as long as 110mm and an extended zoom range for confinuous coverage of magnification from 0.67X to 5X. Six types of auxiliary objectives are provided, with a variable working distance for 0.3X and 0.4X

objectives, allowing connection to the bonder or prober without disturbing the operation of the machinery. Applications range from regular operation and equipment mounting to liquid crystal inspection and educational training.



Auxiliary objectives: 0.3X, 0.4X, 0.5X, 0.75X, 1.5X, 2X



SZ4045 CHI

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Model	SZ4045 CHI	SZ4045 TRPT	SZ4045 TRCTV	SZ4045	SZ4060
Туре			Greenough		
Objective	0.67X ~ 4X Zoom ratio: 6:1				
Working distance	100mm 110mm				
Observation tube inclination angle	45°				60°
Interpupillary distance adjustment range		50 ~ 76mm (left	and right contri	ols interlocked	A contract of
Diopter adjustment	±5 diopter (available on left eye only)				
Observation tube	w/ coaxial stand illuminator		Trinocular, w/ TV adapter	Binocular	Binocular

					Eyepiece (Optional)					
Microscope body ma	Zoom magnifi-	Working			GSWH15X F.N. 16.5		GSWH20X F.N. 12.5		GSWH30X F.N. 7	
	cation	cation (mm)	Total magnifi- cation	Field of view (mm)						
	0.67X	110	6.7X	32.8	10X	24.6	13.4X	18.7	20X	10.4
SZ4045	1X		10X	22	15X	16.5	20X	12.5	30X	7
SZ4045TR SZ4060	2X		20X	11	30X	8.3	40X	6.3	60X	3.5
324000	4X		40X	5.5	60X	4.1	80X	3.1	120X	1.8
	0.67X	- 33.55	6.7X	32.8	10X	24.6	13.4X	18.7	20X	10.4
	1X		10X	22	15X	16.5	20X	12.5	30X	7
SZ4045CHI	2X	100	20X	11	30X	8.3	40X	6.3	60X	3.5
	4X		40X	5.5	60X	4.1	80X	3.1	120X	1.8

	Auxiliary objective			Coaxial stand illuminator usable range					
	objective	(mm)	GSWH10X	GSWH20X	GSWH30X				
*	110AL0.25X	400			Δ				
i	110ALK0.3X	250~350		Δ	Δ				
	110ALK0.4X	180-250		Δ	Δ				
	110AL 0.5X	200		Δ	Δ				
*	110AL0.62X	160	Δ	Δ	Δ				
	110AL0.75X	130	Δ	Δ	Δ				
	110AL 1.5X	61	Δ	Δ	0				
	110AL 2X	38	0	0	0				

- O: Usable at virtually all magnification factors. A: The field of
- view may darken at the periphery at low magnification factors.

  With the 1/4 wavelength retardation plate mounted, the working
- distance decreases by 10mm.

  110AL2X cannot be combined with the optional fiber optics
- ring light (LGR-2).

  \*This auxiliary objective is a custom-made product.

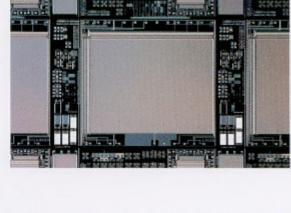
Designed to perfectly fit bonders and probers, the SZ30 zoom stereo microscope features superior cost effectiveness.

BINOCULAR TUBE (INCLINED 60°)

This model, developed primarily for mounting onto bonders and probers, offers excellent cost performance. The combination of a long working distance (110mm) and large zoom range of 0.9X to 4X means the user can expect superb optical performance and maneuverability.



Auxiliary objectives: 0.3X, 0.4X, 0.5X, 0.75X, 1.5X, 2X





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Model	S23060	
Туре	Greenough	
Objective	0.9X ~ 4X Zoom ratio: 4.4:1	
Working distance	110mm	31.00
Observation tube inclination angle	60°	1000
Interpupillary distance adjustment range	50 - 76mm (left and right controls interlocked)	
Diopter adjustment	±5 diopter (available on left eye only)	
Observation tube	Binocular	

#### Optical Performance

Microscope body			Eyep	iece		E	Eyepiece (Optional)							
	Zoom magnifi- cation	Working distance (mm)	CAL	H10X . 22	GSWH15X F.N. 16.5		GSW F.N.	H20X 12.5	GSWH30X F.N. 7					
			Total magnifi- cation	Field of view (mm)										
SZ3060	0.9X		9X	24.4	13.5X	18.3	18X	13.9	27X	7.8				
	1X		10X	22	15X	16.5	20X	12.5	30X	7				
	2X		20X	11	30X	8.3	40X	6.3	60X	3.5				
	4X		40X	5.5	60X	4.1	BOX	3.1	120X	1.8				

■ Auxiliary objectives for SZ40 Series (optional) can be used.

#### Auxiliary Objectives (optional)

	Auxiliary objective	Working distance		minator je			
	objective	(mm)	GSWH10X	GSWH20X	GSWH30X		
*	110AL0.25X	400			Δ		
	110ALK0.3X	250 - 350		Δ	Δ		
	110ALK0.4X	180-250		Δ	Δ		
i	110AL 0.5X	200		Δ	Δ		
*	110AL0.62X	160	Δ	Δ	Δ		
	110AL0.75X	130	Δ	Δ	Δ		
	110AL 1.5X	61	Δ	Δ	0		
	110AL 2X	38	0	0	0		

- C: Usable at virtually all magnification factors: \( \Delta\): The field of view may darken at the periphery at low magnification factors.

  With the 1/4 wavelength relardation plate mounted, the working distance decreases by 10mm.

  110AL2X cannot be combined with the optional fiber optics.
- ring light (LGR-2).

  \*This auxiliary objective is a custom-made product.

### A Variety of Arms and Stands are Available for Machine Mounting and Observation of Large-Sized Specimens



#### SZ-STU1

Universal Stand Type 1

The SZ-STU1 is designed for use with an SZ-STB1 bonder arm. The microscope body is tiltable during observation, thus expanding the working area. This helpful stand exhibits operational versatility in assembly/inspection lines in industry, as well as anatomical and electrophysiological testing in the biological world.



#### SZ-STU2

Universal Stand Type 2

Used in combination with the SZ-STS arm, the versatile SZ-STU2 universal stand type 2 allows a smooth adjustment of arm angle and length. This stand is perfect for inspection, photomicrography and TV mounting of large-sized specimens and on assembly lines. SZH microscope body can be also accepted on SZ-STU2.



SZ-STL

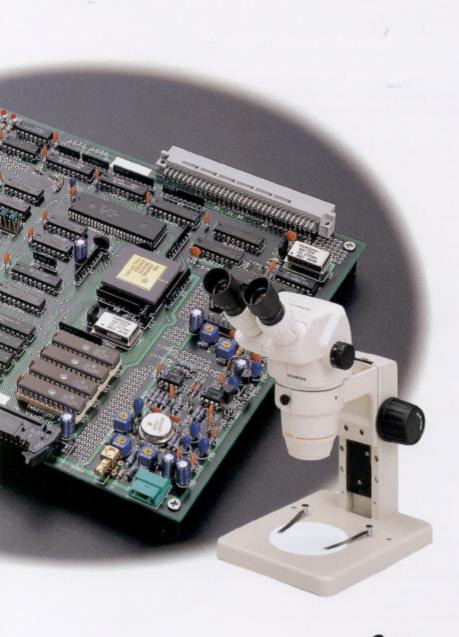
SZ-STL + SZ-STLA + SZ-STB1

#### Large-size Microscope Stand

The large, sturdy SZ-STL stand allows the attachment of photomicrographic equipment and a TV camera. It is optimized for observation of large specimens during assembly and inspection of printed circuit boards, or other applications.



- 1 SZ-STB2:
  - Bonder arm for Olympus stereo microscopes
- 2)SZ-STS:
  - Arm for SZH stereo microscope bases
- 3 SZ-STB1:
- B & L style bonder arm
- 4 SZ-BLAD:
- Adapter for B & L bonder arms
- SZ-STP:
  - Prober arm





SZ-FO **Focusing Stage** 

The SZ-FO stage is used in conjunction with the standard stand for the SZ series, the SZ-STL large-size microscope stand, or various stands for the SZH series. Because focus adjustment is made through vertical movement of the specimen, the specimen can be brought into focus smoothly even when a TV system or photomicrographic equipment is attached. The range of vertical movement, as large as 21mm, enables combined use with a cup stage or a gliding stage.

Use of the appropriate arm allows the SZ series to be combined with various stands provided with the SZH zoom stereo microcope.



#### SZH-ILLK Simple Transmitted Light Illumination Base

Designed for use with the SZ-STS arm for the SZH microscope, the SZH-ILLK illumination base is equipped with a 6V, 20W pre-centered halogen bulb that delivers uniform, extra-bright illumination. Featuring high heat radiation efficiency, this base is ideal for observations frequently made in the biological field.

\*Use of an SZ-STS arm also allows the mounting of various illumination bases provided for the SZH microscope.



#### SZH-STAD-1 Stage Adapter 1

The SZH-STAD-1 stage adapter 1 is used to attach the BH2-SRG circular rotating stage and the BH2-SH mechanical stage to the base section of the SZ microscope. This adapter can be used for reflected or transmitted light observation and it places the surface of the stage only 44m above tabletop level.

#### SZH-SC Cup Stage

The SZ-SC cup stage facilitates specimen positioning and can be freely adjusted to any desired angle.

#### SZH-SG Gliding Stage

The SZH-SG gliding stage permits free and smooth specimen manipulation on a horizontal plane over a 40mm range during microscopy.





Transmitted Light Illuminator, Coaxial Vertical Light Illuminator and Many Other Illumination Systems to Accommodate Expanded Applications



#### Trans-illuminator Base

The SZ-ILA trans-illuminator base provides bright and uniform illumination from low to high magniftcations.

Two illumination ways are available; LSGA (6V 15W HAL) + TL-2 and PMG3-LSH80 (12V 50W HAL)+SZ-CL50+TH3.

#### SZ-ADD

#### Dark field Adapter

When combined with an SZ-ILA transilluminator base, the SZ-ADD dark field adapter enables transmitted light dark field microscopy, which In turn accommodates the examination of striae in transparent materials and plankton in aqueous solution, as well as flaw detection.



# SZ-VIA

#### **Vertical Stand Illuminator**

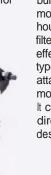
With a simple configuration, the SZ-VIA vertical stand illuminator facilitates high-contrast image observation of scratches on metal surfaces, IC chips, liquid crystal patterns and other objects, which was impossible under conventronal oblique incident light rllumrnatron It is designed for use with an LSGA3 epi-illuminator (employing a 6V 15W halogen bulb) that can be directly mounted to the stand, or an LSD stand illuminator (Incorporating 6V 30W, tungsten bulb)

SZ-VIA + LSGA + TL-2

#### LSD

#### Universal Illuminator

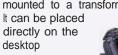
The LSD universal illuminator is designed for situations that call for especially bright illumination. Its stand configuration allows a selection of parallel luminous flux or convergent luminous flux, simply when placed alongside the microscope stand



#### **LSGA**

#### Epi-Illuminator

Employing a 6V, 15W high-intensity halogen bulb, the LSGA epi-illuminator is directly mountable to the microscope. The lamp housing incorporates a built-in, heat-insulating filter designed to minimize the adverse effects of heat on the specimen. Various types of 32.5mm diameter filters can be attached to the LSGA. When mounted to a transformer,







### SZ-FLR

#### I Fluorescent Ring Illuminator

The SZ-FLR fluorescent ring illuminator assures a sharp, shadow-free field or view. uniformly bright illumination with no shading to interrupt viewing of the subject. The illumination ring can be directly mounted on objectives, thus eliminating viewing interruptions. This cold light supply employs a 15V, 150W halogen bulb that is ideal for observation of specimens that are susceptible to heat.



### Eyepieces & Measuring Instruments

GSWH Series Eyepiece Specifications

Item	Focus system	F.N.	Eye relief	Diopter adjustment	Micrometer	
Eyepiece						
GSWH10X			24.6	Not available		
GSWH10X-H	Outside -	22	22.5	Available		
GSWH15X			18.8	Not available	φ24, mountable	
GSWH15X-H		16	18.0	Available		
GSWH20X			18.4	Not available		
GSWH20X-H		12.5	18.4	Available	Not available	
GSWH20X-HC			18.4	Available	w/ cross	
GSWH30X	Inside		18.5	Not available		
GSWH30X-H		7	18.5	Available	Not available	
GSWH30X-HC			18.5	Available	w/ cross	

#### OSM-4 Filar Micrometer Eyepiece

The OSM-4 is a compact and lightweight eyepiece that provides a high-precision digital readout of the specimen's dimensions.

 The eyepiece magnification is 10X, and its 10mm scale is divided into 10 increments.
 A single rotation of the micrometer drum provides a 1mm movement. The drum circumference is divided into 100 increments.



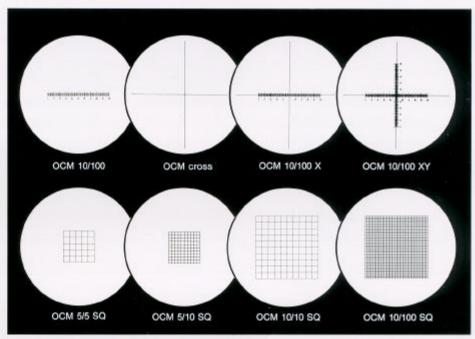
OC-M eyepiece Micrometers (φ24mm)
When the CC-M is inserted into the 10X or 15X eyepiece field iris diaphragm, the length of the specimen within the field of view may be measured. Various types are available to choose from depending on the specimen.

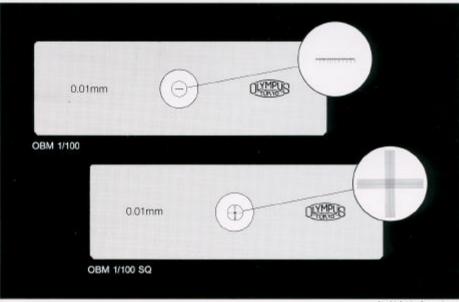
#### OBMM/OBM Stage Micrometer

The micrometer is utilized to calibrate micrometer reticles, its 1mm scale is divided into 100 increments, on a 26mm × 76mm slide.



for metallurgical specimens





# SZ series Specifications & Standard Outfits

#### Specifications

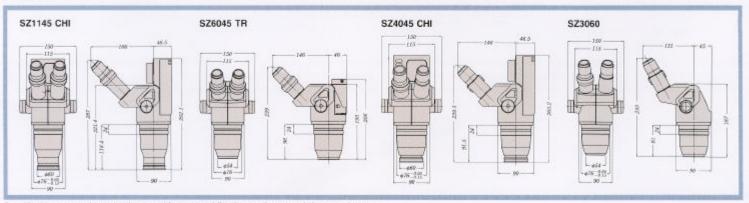
Models		SZ1145 CH1	SZ1145 TRPT	SZ1145 TRCTV	SZ1145	SZ6045 CHI	SZ6045 TRPT	SZ6045 TRCTV	SZ6045	SZ4045 CHI	SZ4045 TRPT	SZ4045 TRCTV	SZ4045	SZ4060	SZ3060
Microscope body	Magnification		1.8-	-11X			1-	6.3X					0.9-4X		
	Zoom ratio		6	1			6	.3		6					4.4
	Working distance	63mm	73mm			90mm	100mm			100mm			110mm		
	Observation tube inclination angle	45°											60°		
	Convergent angle	10°													
	Interpupillary distance adjustment	Left and right controls interlocked, range: 50-76mm (with eyepiece GSWH10X)													
	Diopter adjustment			±5 d	liopt. (Avai	lable both	eyes)			±5 diopt. (Available left eye only)					
	Effective illumination range*	all mag	-		1.5X or higher	-		2.3X or higher							
	Photo tube/C-mount TV adaptor mounting port	-	Inner di ¢38				Inner diameter:				Inner diameter: ø38mm		-		
	Light path selection	-		Bl or AMERA	-		100% Bl or 100% CAMERA			100% Bl or 100% CAMERA			-		
Eyepieces		Field number 22 (GSWH10X), ¢24 micrometer mountable													
Stand	Microscope body mounting port	Inner diameter: φ76mm													
	Focus	Rack and pinion with ball bearing guide, height adjustment knob, standard stroke: 120mm													
	Applicable illuminator	Epi-illuminator, trans-illuminator base													
Stage plate							φ100mm,	black & w	hite, with	stage clips	3				
Halogen bulbs		6V 20W		-		6V 20W			6V 20W -			_			
Photo adaptor	r (intermediate magnification)		1X				1X				1X				
TV adaptor (i	ntermediate magnification)	7000		0.5X		-		0.5X		-		0.5X		-	

<sup>\*</sup>With specimen titled at an angle of 20° or less,

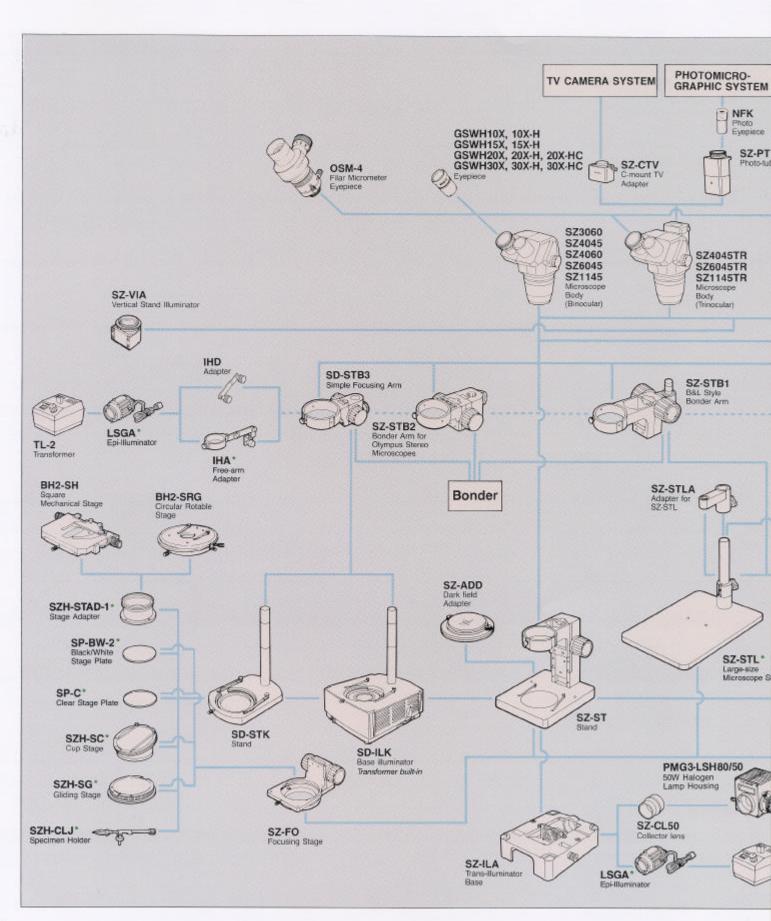
#### Specifications

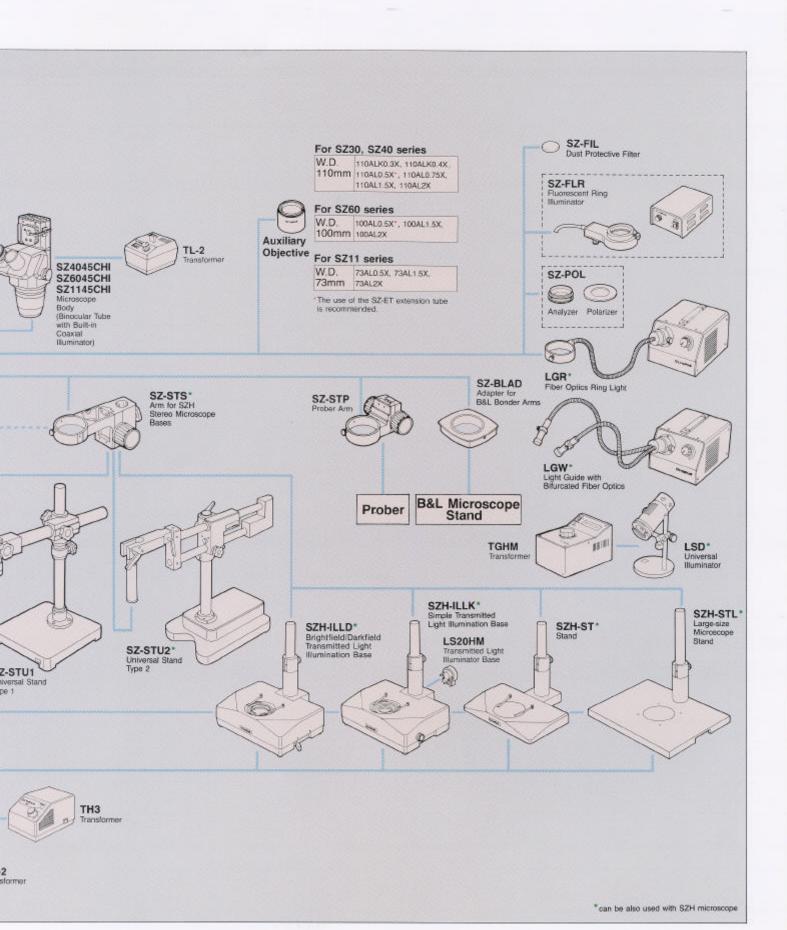
Mo	odels	SZ1145 CHI	SZ1145 TRPT	SZ1145 TRCTV	SZ1145	SZ6045 CHI	SZ6045 TRPT	SZ6045 TRCTV	SZ6045	SZ4045 CHI	SZ4045 TRPT	SZ4045 TRCTV	SZ4045	SZ4060	SZ3060
Microscope body	SZ1145CHI-F	0													
	SZ1145TR-F		0	0											
	SZ1145-F				0										
	SZ6045CHI-F					0									
	SZ6045TR-F					2200	0	0							
	SZ6045-F								0						
	SZ4045CHI-F				100000					0	NEW YORK				
	SZ4045TR-F										0	0			
	SZ4045-F												0		
	SZ4060-F													0	
	SZ3060-F														0
Eyepiece	GSWH 10X	(2 pgs.)	() (2 pcs.)	O (2 pcs.)	(2 pcs.)	O (2 pcs.)	O (2 pcs.)	O (2 pcs.)	O (2 pcs.)	(2 pcs.)	(2 pcs.)	(2 pcs.)	O (2 pcs.)	○ (2 pcs.)	O (2 pcs.)
Stand	SZ-ST	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stage clips		O (2 pcs.)	() (2 pcs.)	O (2 pcs.)	O(2 pcs)	(2 pcs.)	O (2 pcs.)	(2 pcs.)	(2 pcs.)	O (2 pcs.)	O (2 pcs.)	O (2 pcs.)	O (2 pcs.)	O (2 pcs.)	() (2 pcs.)
Stage plate (B&W)	SP-BW-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4 wavelength reta	rdation plate	0				0				0					
Halogen bulbs	6V20WHAL	O (2 pcs.)				(2 pcs.)				O (2 pcs.)					
Transformer	TL-2	0				0				0					
Photo-tube	SZ-PT		0				0				0				
Photo eyepiece	NFK3.3XLD		0				0				0				
C-mount TV adaptor	SZ-CTV			0				0	No. of Contract of			0			

#### Dimensions



# SZ Series System Diagram









Specifications are subject to change without any obligation on the part of the manufacturer.

#### Olympus business areas







Medical and health-care area







Imaging and information area







Industrial applications area

# FOCUS ON LIFE

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