

OPTIKA

M I C R O S C O P E S
I T A L Y



SZM SERIES

Stereomicroscopes for the laboratory

THE SERIES

The stereomicroscopes of the SZM series are instruments specifically designed for laboratory and industry applications.

Their optical and mechanical qualities place them at the top of that sought-after category of appliances and the price/quality ratio is exceptionally good.

Sharing the same optical system consisting of binocular and trinocular heads with zoom objectives, the four models of the SZM series find their proper application wherever professional instruments are required at a particularly contained cost.

The numerous accessories provide an ample choice of possible configurations and extend the flexible use of the instruments.



Specifically for laboratory and industry

OBJECTIVES

0.7x 4.5x parfocal achromatic zoom objective (6.428:1 zoom ratio) controlled by a pair of knobs located on the body itself. Working distance 100 mm. Continuously variable magnification from 7x to 45x.

MICROSCOPE STAND

Pillar stand, 30 mm diameter and 25 cm high. Wide die-cast aluminium base; Size 26x20x6 cm. Fitted with a pair of specimen clamps.

Overhanging stand for special applications (viewing large specimens, electronic and mechanical assemblies, etc.). Total stand height: 42 cm; base: 23x23 cm; horizontal arm length: 45 cm. Stands made entirely of metal.

ILLUMINATION

On SZM-1 and SZM-2 models, adjustable illuminator for incident light fitted with a 12V/15W halogen bulb with dichroic mirror. Illuminator for transmitted light fitted with a 12V/15W halogen bulb. Light intensity adjustment, done using a pair of rheostats located at the side of the base, is provided for both lighting units separately.



Overhanging stand for special applications

SZM RANGE



SZM-1

*Binocular
0,7 ... 4,5x Zoom
Pillar stand*



SZM-2

*Trinocular
0,7 ... 4,5x Zoom
Pillar stand*



SZM-3

*Binocular
0,7 ... 4,5x Zoom
Overhanging*



SZM-4

*Trinocular
0,7 ... 4,5x Zoom
Overhanging*

| MODELS | Eyepieces | Head | Objective | Stand | Illumination |
|--------|-------------|------------|-------------------|--------------|--|
| SZM-1 | EWF10x/20mm | Binocular | 0,7 ... 4,5x Zoom | Pillar stand | Incident and transmitted 12V/15W halogen |
| SZM-2 | EWF10x/20mm | Trinocular | 0,7 ... 4,5x Zoom | Pillar stand | |
| SZM-3 | EWF10x/20mm | Binocular | 0,7 ... 4,5x Zoom | Overhanging | ---- |
| SZM-4 | EWF10x/20mm | Trinocular | 0,7 ... 4,5x Zoom | Overhanging | |

Available with Pillar stand and Overhanging

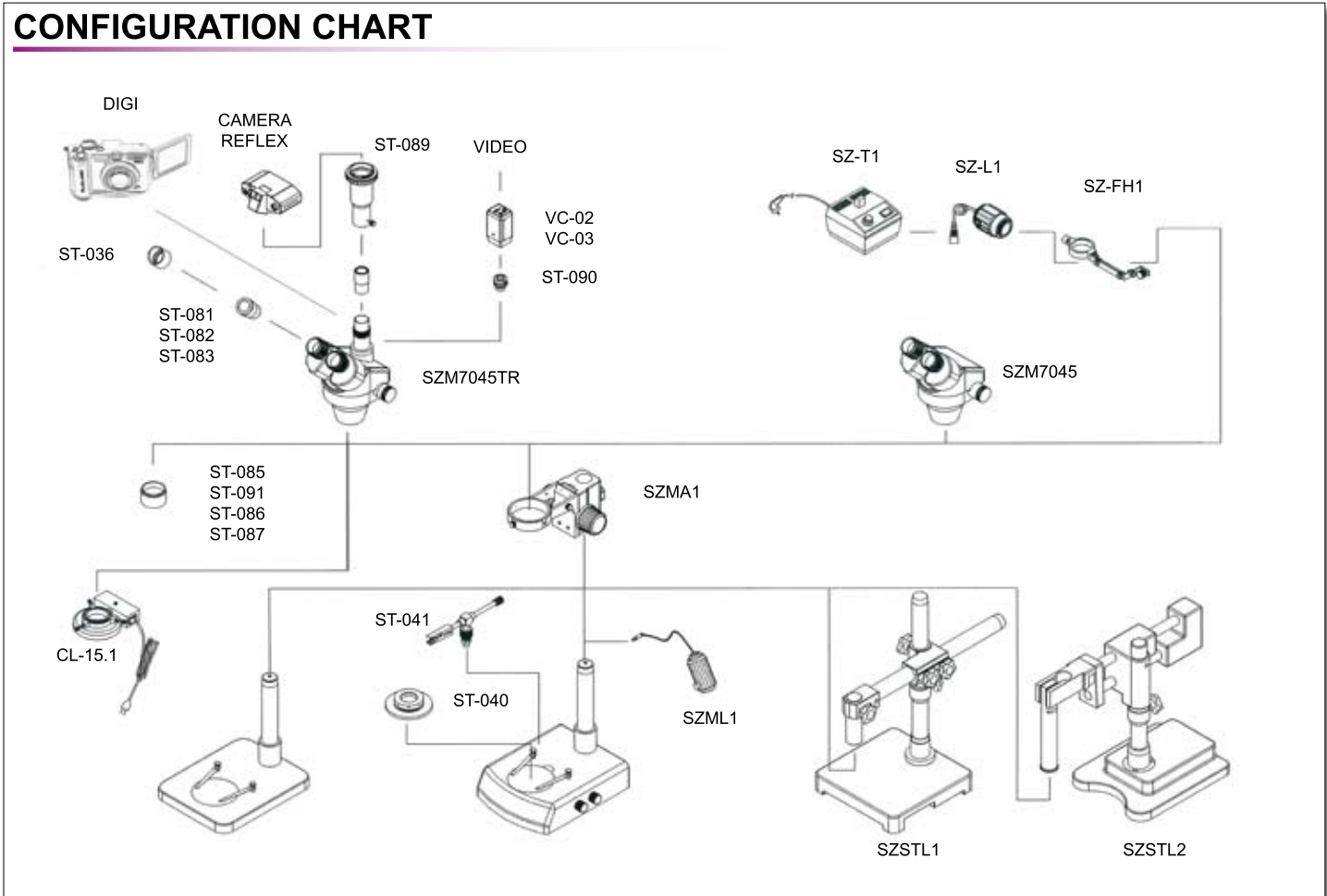
TECHNICAL SPECIFICATION

| Part | information |
|-------------------------------|--|
| Heads | binoculars and trinoculars 360° rotating and 45° inclined. |
| Interpupillar distance | adjustable between 51 and 75 mm. |
| Dioptric compensation | on both eyepiece tubes (bino & trino). |
| Eyepieces | EWF10x/20 mm |
| Objectives | Parafocal achromatic zoom 0,7x...4,5x (6,428:1 zoom factor). |
| Specimen stage | models with illumination are fitted with a black/white disc for contrast, specimen clamps and a frosted glass disc for transmitted light. |
| Focusing | by means of a rack and pinion controled by a pair of knobs |
| Microscope stand | Pillar stand 30 mm and 25 cm high, base 26x20x6h cm. Overhanging stand 42 cm high, 23x23 cm base and 45 cm horizontal arm lenght. |
| Illumination | Adjustable illuminator for incident light. 12V/15W halogen bulbs, with light intensity adjustments on both illuminators. |



Overhanging stand for special applications

CONFIGURATION CHART



ACCESSORIES

| | | | |
|--------|---|--------|---|
| ST-081 | Eyepieces (pair) WF10x/20 mm | ST-041 | Sample clip |
| ST-082 | Eyepieces (pair) WF15x/15 mm | ST-100 | Hand moving stage |
| ST-083 | Eyepieces (pair) WF20x/10 mm | ST-089 | Reflex camera adapter |
| ST-084 | Micrometric eyepiece WF10x/20 mm | ST-090 | CCD camera adapter |
| ST-085 | Additional lens 0,5x | ST-036 | Eye cups (pair) type 2 |
| ST-091 | Additional lens 0,75x | ST-012 | White/black object-plate, type 2 dia. 95 mm |
| ST-086 | Additional lens 1,5x | ST-014 | Glass stage, type 2, dia. 95 mm |
| ST-087 | Additional lens 2x | ST-038 | Halogen bulb, 12V/15W |
| ST-088 | Polarising set (filters and rotating stage) | ST-037 | Halogen bulb, 12V/15W, with dichroic mirror |
| ST-040 | Darkfield condenser | ST-033 | Dust cover type 13 |



EXAMPLE TO USE

SZM - SMD*Stereomicroscope with SMD inspection system***NEW**

The OPTIKA SMD inspection system has been specifically designed for the inspection of miniature electronic components and assemblies such as surface-mounted electronic devices on printed circuit boards.

The SMD system is ideally suited for quality-control applications and the rework and repair of solder connections of various electronic devices.

The SMD attachment allows the user to quickly change between vertical and oblique viewing angle is adjustable and can also be rotated through a full 360° range.

Components and solder joints are easily inspected using the oblique viewing method without having to tilt or turn the circuit board. A 103 mm working distance allows for easy access to defective components and facilitates quick repair.



contact us for more information...

OPTIKA

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