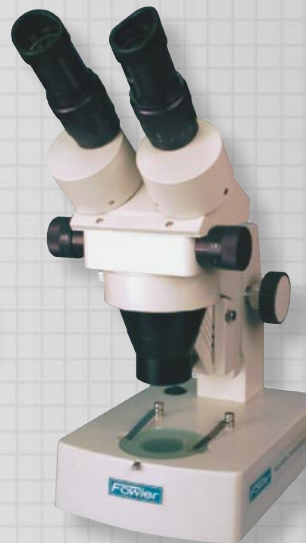




No. 53-640-777  
"Deluxe"



No. 53-640-877  
"Tri-ocular"  
(with camera adaptor feature)



No. 53-640-734  
"Standard"

**Fowler offers a variety of Stereo Zoom Microscopes. While the microscope is in focus, the magnification may be changed to suite the specimen. The zoom objectives of the instrument change the magnification continuously, covering a range of 7X—45X or 7.5X—34X (with standard 10X eyepieces).**

Stereo Zoom Microscopes are used in the electronics and precision machine industries for assembling and inspection of products. They are suitable for micrography and observation of fine structure of irregular bodies because of their high resolution and clear imaging within a broad field of view. They are also suitable for educational purposes in schools and hospitals and in agriculture, forestry, medical service, geology, archeology and biology fields.

**No. 53-640-734**—Binocular head is stationary and positioned toward front of tool. Transmitted light is adjustable, surface light is not.

**No. 53-640-777**—Binocular head can be rotated a full 360° and locked in any position desired. Transmitted and surface lights (brightness can be adjusted separately).

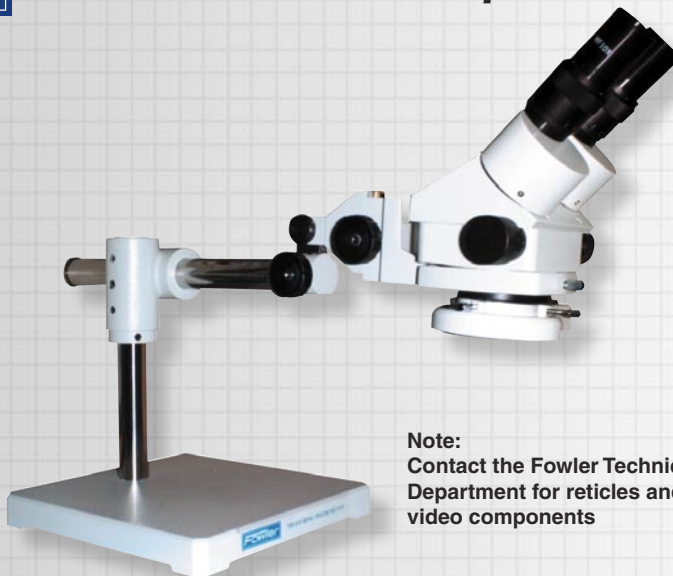
**No. 53-640-877**—Like our 53-640-777, but with an adaptor to connect 35mm cameras that feature a standard "T" lens mount and an additional 2.5x eyepiece for photographic purposes

- Crisp and erect images with high resolution provide an excellent stereoscopic effect. Two zoom control knobs on each side of the head and their horizontal axis make operation easy.
- Includes 10X eyepiece with wide field of view (linear field of eyepiece is 23mmØ).
- The binocular observation tube inclines 45°.
- Interpupillary distance can be adjusted over a wide range of 55—77mm and the diopter adjustment range from less than -5 to more than +5 for easy viewing.
- Stereo Zoom Microscopes include 10X eyepieces and both transmitted and surface illumination.

# Fred V. Fowler Company, Inc.



## Stereo Zoom Microscopes



**Note:**  
Contact the Fowler Technical  
Department for reticles and  
video components

*No. 53-640-740 with 53-640-778 (not included)*

### Specifications:

Model Number	Zoom Objective Magnification	10X Eyepiece Magnification	15X Eyepiece Magnification	20X Eyepiece Magnification
53-640-734	.75—3.4X	7.5—34X	11.25—51X	15—68X
53-640-777 without Doubler with 2X Doubler	.7—4.5X 1.4—9X	7—45X 14—90X	10.5—67.5X 21—135X	14—90X 28—180X
Model Number	Working Distance	Field of View	Field of View	Field of View
53-640-734	93mm (3.66")	31—21mm	21—4.5mm	15.5—3.4mm
53-640-777 without Doubler with 2X Doubler	93mm (3.66") 34mm (1.34")	33—5mm 16—3mm	22—4mm 11—2mm	16—3mm 8—1mm

### Order No.

### Description

53-640-734	Stereo Zoom Microscope 7.5—34X includes 10X eyepieces and eyecups
53-640-777	Deluxe Stereo Zoom Microscope 7—45X includes 10X eyepieces and eyecups
53-640-877	Deluxe Stereo Zoom Microscope 7—45X includes 10X eyepieces and eyecups with 35mm camera adaptor
53-640-778	Deluxe Zoom Head with 10X eyepieces only (for use with 53-640-740)
53-640-702	2X Doubler Lens for No. 53-640-777 and 877
53-640-710	10X Eyepieces included with No. 53-640-734, 777 and 877
53-640-715	15X Eyepieces, optional for No. 53-640-734, 777 and 877
53-640-720	20X Eyepieces, optional for No. 53-640-734, 777 and 877
53-640-740	Universal Zoom Stand with top light for No. 53-640-777 or 778
53-640-745	Replacement bulb for No. 53-640-740
53-640-781	6V/12W Halogen Transmitted Lamp for No. 53-640-777 and 877
53-640-000	6V/15W Halogen Surface Lamp for No. 53-640-734, 777 and 877
53-640-001	Twin florescent transmitted tube lamp for No. 53-640-734