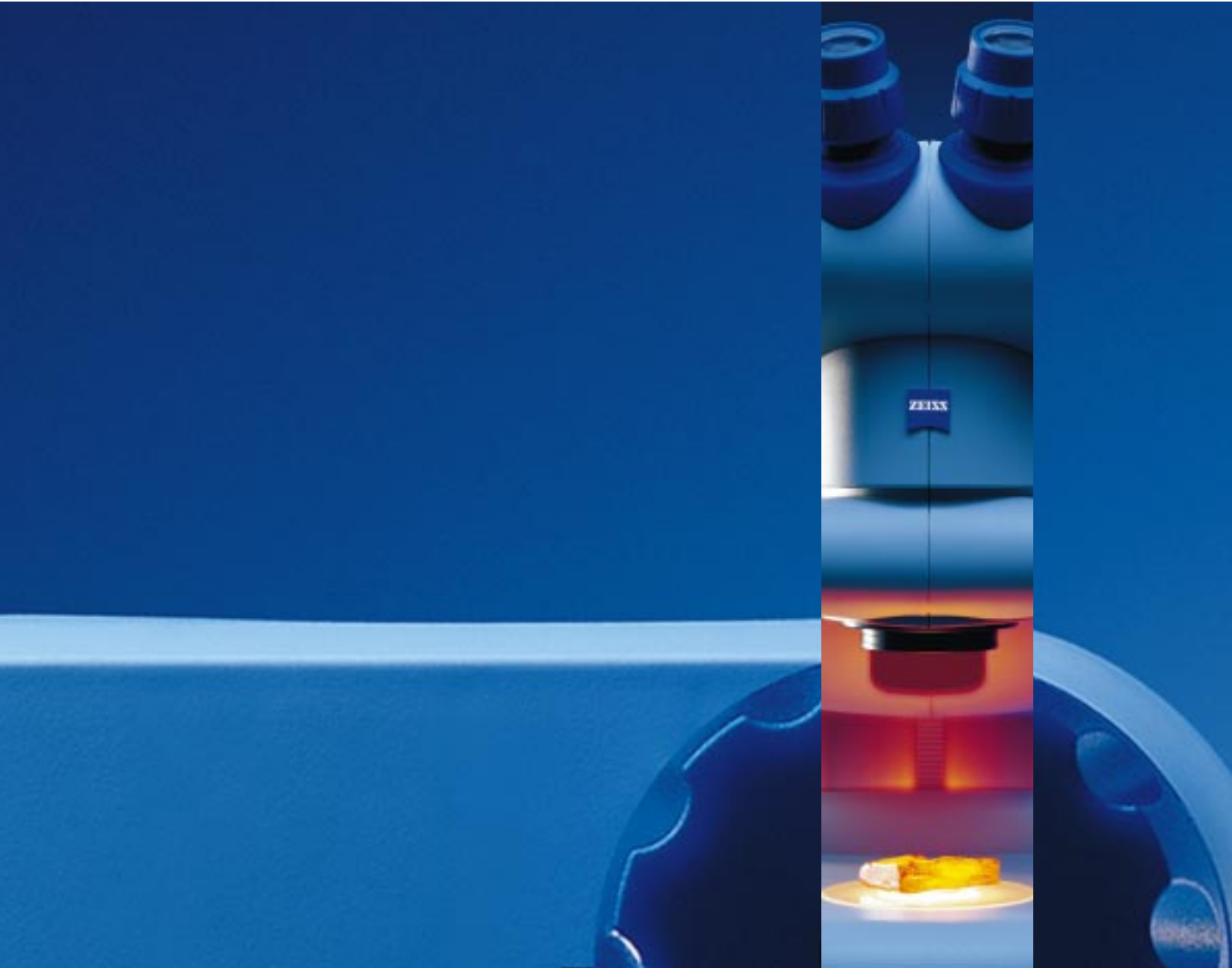


# **Stemi DV4** Stereomicroscope



**Fabulous performance  
at an attractively low price**



# Stemi DV4 Stereomicroscope

## An Excellent Choice

What is just being carried to a workbench here – in a classroom, laboratory or quality inspection department – ushers in a new era of stereomicroscopy.

It's a **Stemi DV4** (Double Lens Vario with zoom factor 4), a compact stereomicroscope that is immediately ready for operation and extremely easy to use.

Focused on the essential performance features, the **Stemi DV4** design concept provides optimum utility.

Its images are razor-sharp throughout the zoom range, and as bright and brilliant as you would only expect from a high-end instrument.

An investment of lasting value, the **Stemi DV4** will grow with your requirements. It can be easily upgraded to meet a host of applications.



*Innovative and attractive design for labs and classrooms: Stemi DV4 Stereomicroscope with Model C Stand.*



# Stemi DV4

## The Perfection Of Essentials

### **Brilliant optics**

A new, proprietary Zeiss zoom lens guarantees images of excellent resolution, definition and brightness – with reflections cut down to an absolute minimum.

Object field coverage 25 mm (optional, 3.1...83.3 mm).  
Flattened field of view 20 mm. Front lens with protective glass.

### **Reliable mechanisms**

Zoom range 4:1 (8x...32x); expandable to 2.4x...64x with supplementary lens systems. Unique in this price bracket: Our unique mechanical correction of the zoom lens guarantees sharp, in-focus images throughout the zoom range.

### **Wide-ranging extension capability**

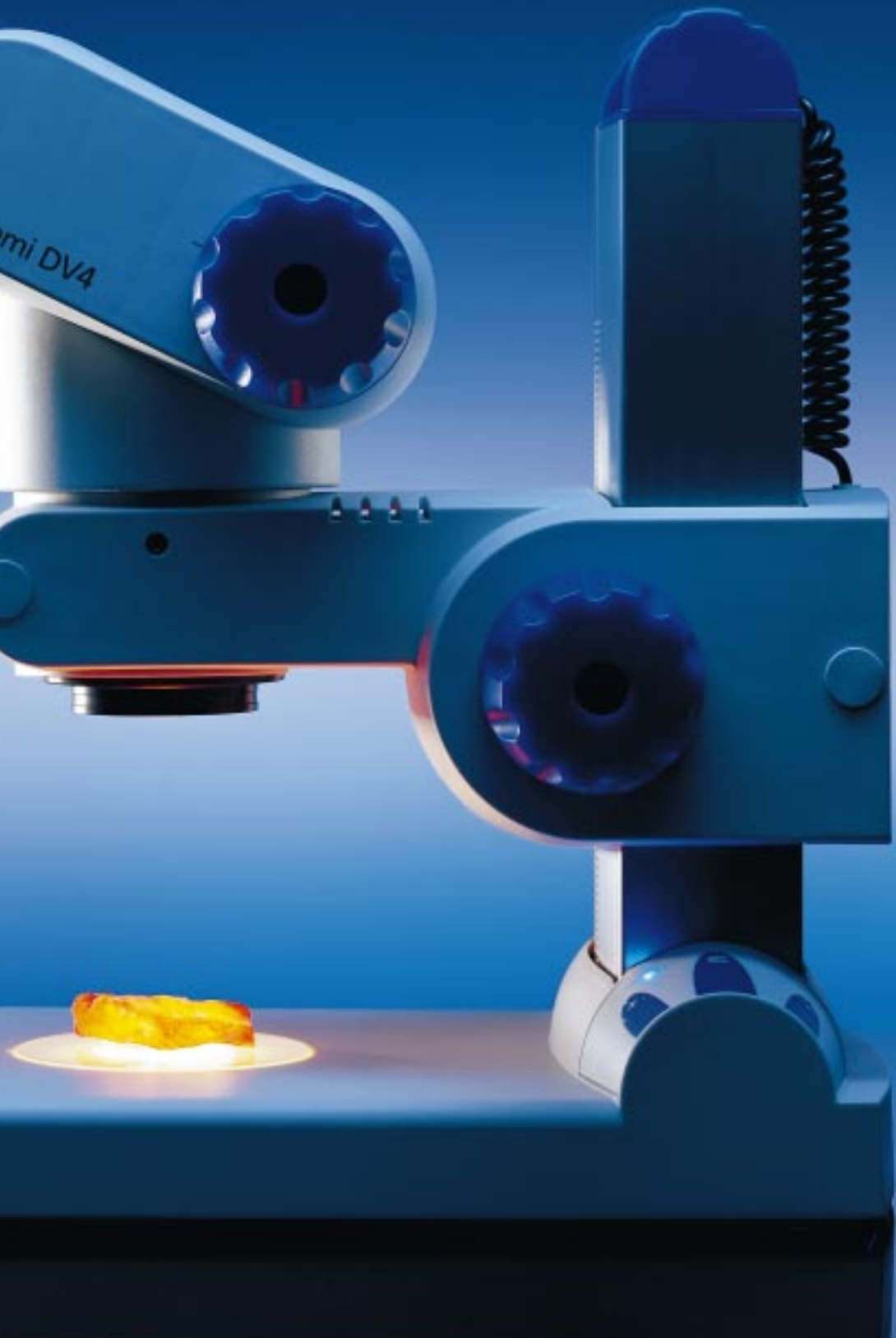
Well-planned accessory interfaces make the **Stemi DV4** a basic unit for a highly expandable modular stereomicroscope system. This approach opens up a variety of configurations and applications.

### **Ingenious light control**

The **Stemi DV4** Stereomicroscope mounted on the Model C Stand boasts a clever light control system. Press a button to select between illumination modes; press another button for continuous increase or decrease in illumination intensity.

*Stemi DV4 with Model C Stand.  
Greenough design with  
leading-edge Zeiss perfection.*





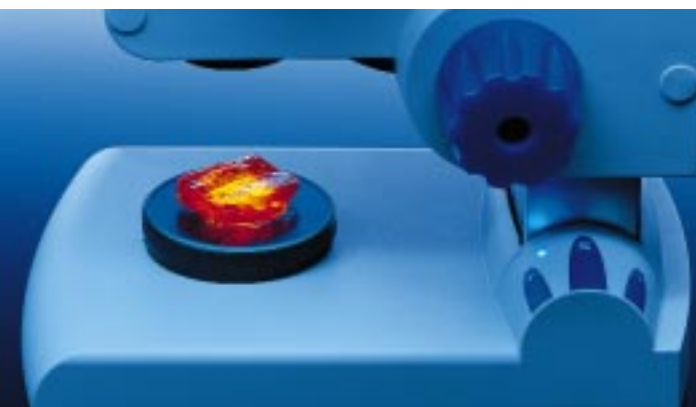
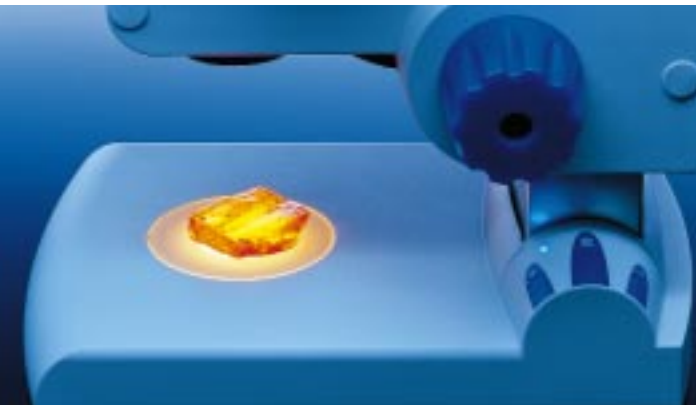
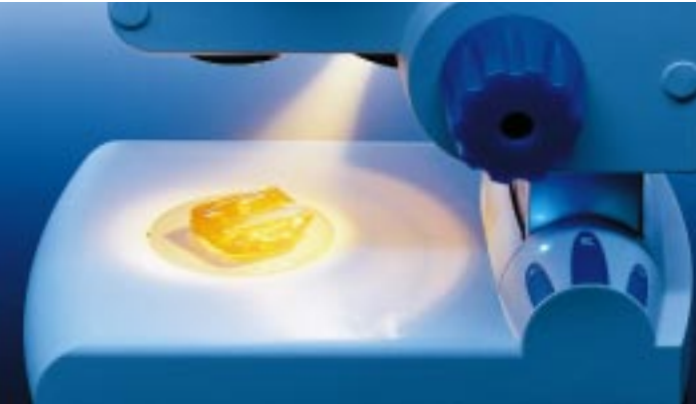
Brightfield reflected light  
Standard on the Stemi DV4 – for observing opaque specimens.

Brightfield transmitted light  
Standard as well – for observing transparent specimens.

Mixed light  
Standard also.  
Combine reflected and transmitted light, or include the optional darkfield transmitted-light accessory to achieve special effects.

# Model C Stand

## Ingenious Light Control For Outstanding Results



As good results in microscopy depend on efficient illumination, the **Model C Stand** has a high-intensity illuminator with three illumination modes as standard features. You can select between

- brightfield reflected light,
- brightfield transmitted light, and
- mixed light.

In addition, there is an option for

- darkfield transmitted light.

So the whole spectrum of illumination modes common in stereomicroscopy is at your disposal. To choose between them during observation, all you need to do is press a button. Pushbutton-controlled brightness settings – continuous and separate for each illumination mode (!) – allow fast adaptation to varied specimens.

*Fast change between illumination modes – at the touch of a button.*

# Stemi DV4

## The Base For Your Modular System

### Flexibility

#### for many applications

Nothing is impossible. The modular Stemi system with its comprehensive range of stands, mounting brackets, stages and illuminators provides you with efficient solutions for your application.

*Stemi DV4 with Model N Stand, Universal Reflected Light Illuminator and a 150 W cold light source (Schott KL 1500 LCD).*

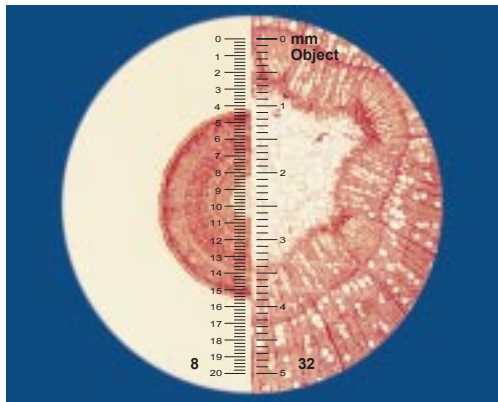


### Measurement

#### at a glance

A quick and easy result with the 8x/32x/18 eyepiece micrometer – simply read the values from a scale, either at 8x overview or 32x detail magnification.

*Cross-section through a plant stalk.*



### Digital documentation

Whichever medium you choose to record your microscopy images, Carl Zeiss has the right eyepiece adapter to furnish your **Stemi DV4** Stereomicroscope with

- a digital viewfinder camera,
- a 35 mm SLR camera,
- a videocamera with C thread mount, or
- a plug-in eyepiece camera for monitor presentation.



*Sony HandyCam on the Stemi DV4.*

*These are just three examples that illustrate the smooth flexibility with which the Stemi DV4 Stereomicroscope adapts to your growing requirements.*



*Ant and amber are brightened up equally.*



*Movement of a watch.*



*The ant appears as an almost opaque shadow against a bright ground. Fine contour details become visible.*



*Wing of a dragonfly.*



*Against a dark background, the ant's contours display their colors. Even finest structures are resolved. Adding some epi-illumination emphasizes the body.*



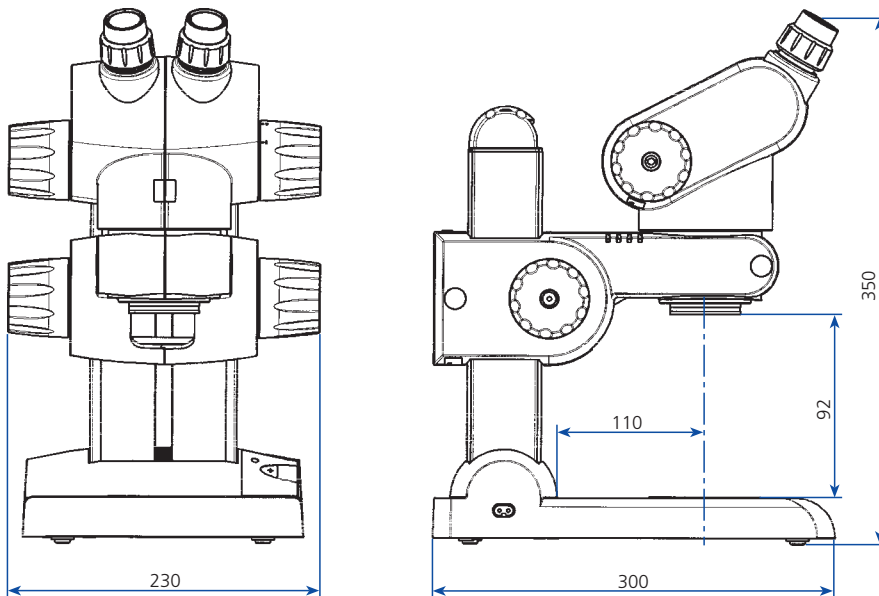
*Goatsbeard (Tragopogon pratensis)*

*Ant embedded in Baltic amber, about 40 million years old.*

# Stemi DV4 Stereomicroscope

## Specification

Eyepiece	W 10x/20 Br. foc (high-eyepoint, focusing)				
Supplementary lenses	0.3x	0.4x	0.63x	none (standard configuration)	2x
Free working distance (mm)	285	210	130	92	31
Magnification	2.4...9.6	3.2...12.8	5.0...20.2	8.0...32.0	16.0...64.0
Object field covered (mm)	83.3...20.8	62.5...15.6	40.0...9.9	25.0...6.3	12.5...3.1
Can be used on Stand C					



Weight: 5 kg

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Subject to change.

**Stemi** is a registered trademark of Carl Zeiss.  
A design patent has been applied for **Stemi DV4** on **Model C Stand**.

Printed on environment-friendly paper,  
bleached without the use of chlorine.

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