

BUEHLER[®]

ViewMet[™]

INVERTED LABORATORY METALLOGRAPH

- *Affordable Inverted Stage Microscope for Laboratory Use*
- *6V/30W Köhler-type Illumination System*
- *Bright, Crisp, Flat Field Images*
- *Five Position Nosepiece Turret*
- *CCTV Ready Trinocular Head*



BUEHLER

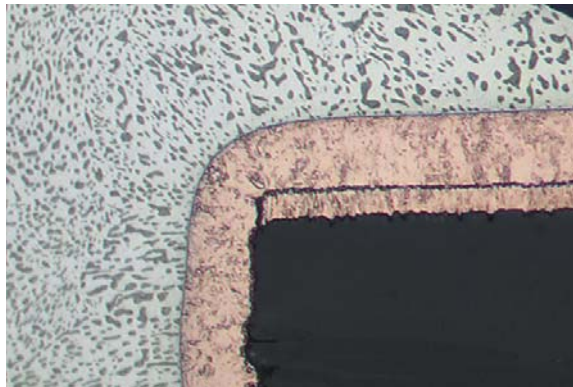

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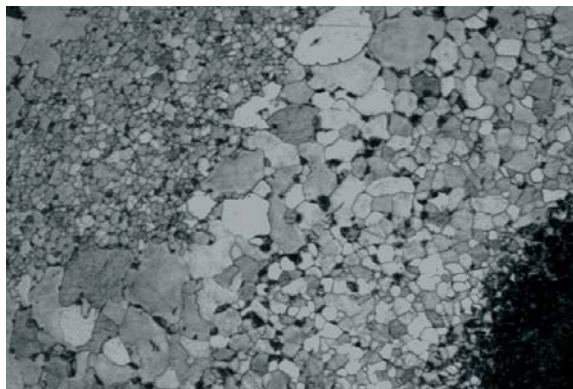
The Buehler ViewMet™ inverted laboratory metallograph provides an exceptional solution for routine materials laboratory needs. This affordable instrument incorporates a camera ready trinocular head with included c-mount adapter and rack and pinion X-Y stage, poised to document mounted, unmounted and irregularly shaped samples.

The ergonomic, solid cast base allows viewing of images at even high magnification without fear of vibration interference. The focusing mechanism boasts both a tension control and coarse position lock. All microscope functions are easily controlled without looking away from the eyepieces.

The Plan Achromat, brightfield objectives and 6V/30W Köhler type halogen illuminator combine to deliver bright, well-resolved images to either the 10x wide field eyepieces or the c-mount camera of your choice.



Printed circuit board cross-section.



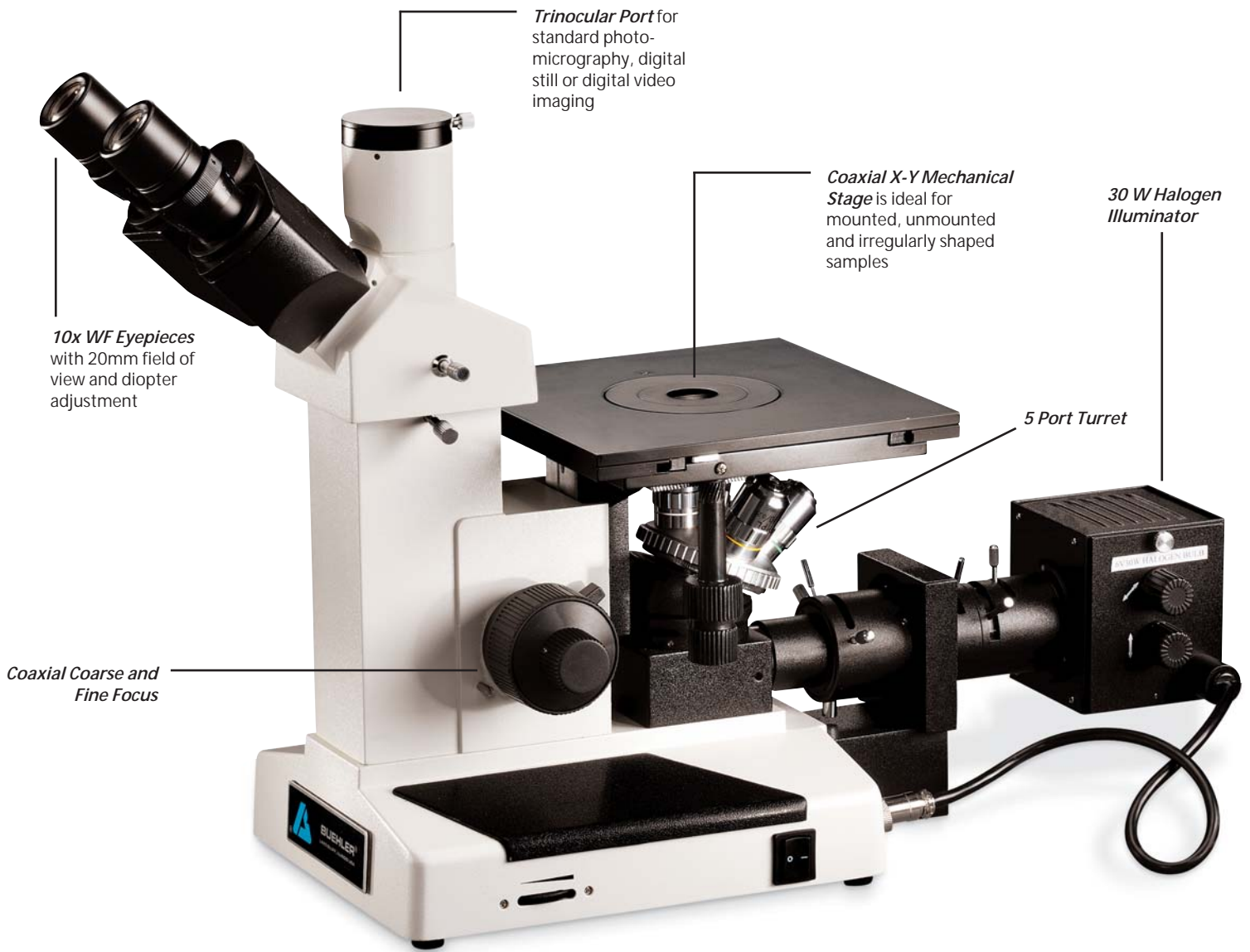
Duplex Grain Structure.



Video camera accessory for digital image capture and analysis with the OmniMet® system.



Trinocular body tube and included c-mount.



Included filter set.



Plan achromat brightfield objectives.

Buehler ViewMet Laboratory Metallograph Specifications

0760-0100 Buehler ViewMet Inverted Laboratory Metallograph consisting of a stand with trinocular head and c-mount, coaxial mechanical stage with two inserts, 6V/30W illuminator, a pair of 10X eyepieces, 5x, 10x, 20x and 50x Plan Achromat objectives, diffusion, yellow, green and blue filters, a power cord, instruction manual and vinyl dust cover

Component	Description
Optical System	160mm fixed mechanical tube length with 45mm Parfocal distance
Main Body	Square box type metal casting
Focusing Mechanism	Vertical movement via stage
	Coarse: 20mm/rotation
	Fine: 2µm/graduation
Trinocular Eyepiece Tube	Siedentopf-type trinocular tube with optical changeover for 100% observation or 100% to video port
Turret	Quintuple (5 port) backward facing
Stage	Size: 180mm x 180mm
	Controls: X-Y Coaxial
	Travel: 15mm x 15mm
Power supply	Built-in 110V/220V selectable
Illumination	Tungsten Halogen 6V/30W Brightfield, Köhler type
Eyepieces	10X WF with 20mm field of view
C-Mount Adapter	1X
Overall Dimensions without camera	14.6" H X 8" W X 21.25" D (370mm x 200mm x 540mm)
Shipping Information	Packed Dimensions: 24" H X 14" W X 18" D (610mm X 356mm X 458mm) Weight: 20lb(9kg)

Brightfield Objectives*

0750-0005	5X Plan Achromat Objective Lens, NA 0.12, W.D. 18.30mm
0750-0010	10X Plan Achromat Objective Lens, NA 0.25, W.D. 8.9mm
0750-0020	20X Plan Achromat Objective Lens, NA 0.40, W.D. 8.7mm
0750-0050	50X Plan Achromat Objective Lens, NA 0.70, W.D. 2.02mm
0750-0080	80X Plan Achromat Objective Lens, NA 0.8, W.D. 0.96mm
0750-0100	100X Plan Achromat Objective Lens, NA 1.25, oil, W.D. 0.36mm

Accessories*

0755-0025	Micrometer Eyepiece Reticle, 10µm/10mm
0755-0030	Grain Size Reticle
0755-0165	Blue Filter
0755-0155	Green Filter
0755-0160	Yellow Filter
0755-0150	Diffusion Filter
0755-0011	10X Eyepiece, diopter adjustable with reticle holder (required when ordering reticle)

* The individual product numbers are for ordering single items on an as needed basis.

For a complete listing of consumables, please refer to our Consumables Buyer's Guide. Buehler continuously makes product improvements; therefore, technical specifications are subject to change without notice.

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*For metallurgical equipment produced by BUEHLER LTD. USA

**BUEHLER ANALYST®
SECTION**

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