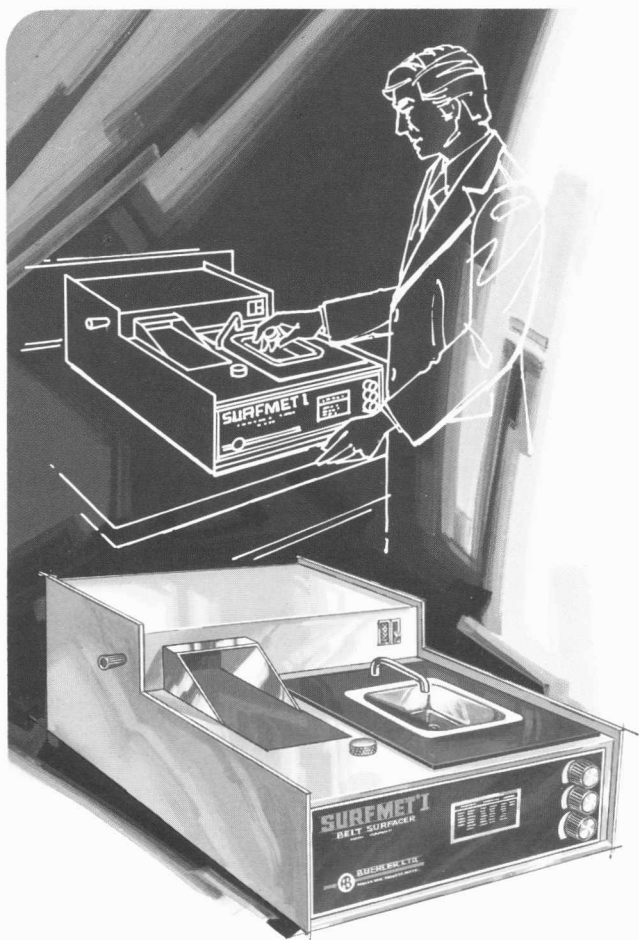


# NEW PRODUCT BULLETIN

Neue Produkte  
Bulletin de nouveaux produits  
Boletín de nuevos productos



## Introducing BUEHLER'S SURFMET® I and SURFMET® II

coarse grinding is now more  
convenient, more economical

The all new Buehler SURFMET I and SURFMET II Belt Surfacers make coarse grinding of metallographic samples more convenient and economical through these many time saving features.

- Built-in flushing system for easy removal of particulate matter from belt compartment
- Constant tension spring loaded idler pulley mechanism
- Simplified belt release mechanism
- Built-in belt installation guide on ramped table
- Convenient fold down door with labyrinth seal on belt compartment
- Easy access for belt removal
- Finger-tip belt centering
- Epoxy coated belt compartment
- Recessed grinding table for improved safety and convenience
- Corrosion resistant water and drain piping
- Separate water controls for flushing and sample coolant
- On/off switch with indicator light
- Belt selection guide

The new SURFMET I and SURFMET II Belt Surfacers feature 1/3 HP heavy duty fused motors with flow-through air circulation to provide motor cooling. These modern Buehler designed Belt Surfacers each provide convenient work areas with built-in Formica® work tables. Abrasion and solvent resistant epoxy exterior finishes are standard on both models.

Buehler's SURFMET I and SURFMET II may be attached to standard laboratory water and drain supplies or coupled with a Buehler recirculating system for faster, cleaner cutting and longer service life.

SURFMET I provides the added convenience of a stainless steel sink and faucet with separate water and drain facilities for use in rinsing samples after rough grinding. This time saving convenience has gained the unanimous endorsement of every metallographer to use the all new SURFMET I.

SURFMET II features a larger Formica® work table area without the stainless steel sink and faucet features of SURFMET I.

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## BUEHLER LTD.

APPARATUS FOR MICROSTRUCTURAL ANALYSIS

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Basel, Switzerland

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BUEHLER ANALYST SECTION 2/5a

# BUEHLER SURFMET® I and SURFMET® II

**No. 16-1270 SURFMET I BELT SURFACER**, corrosion resistant modified epoxy coated cabinet, cam operated spring type belt tensioning, 4" x 9" grinding area, belt centering device, belt coolant and compartment flushing systems, stainless steel sink with faucet, illuminated on-off switch, 115 volt, 60 Hertz, single phase 1/3 HP fused motor. Three No. 16-5200 Metsplice® Belts. Operating instructions.

Overall dimensions: 18" W x 21" D x 11" H  
(46 x 53 x 28 cm)

(Approx. shipping weight 95 lbs. (43 kg))

**No. 16-1280 SURFMET II BELT SURFACER**, corrosion resistant modified epoxy coated cabinet, cam operated spring type belt tensioning, 4" x 9" grinding area, belt centering device, belt coolant and compartment flushing systems, Formica work table, illuminated on-off switch, 115 volt, 60 Hertz, single phase 1/3 HP fused motor. Three No. 16-5200 Metsplice Belts. Operating instructions.

Overall dimensions: 18" W x 21" D x 11" H  
(46 x 53 x 28 cm)

(Approx. shipping weight 95 lbs. (43 kg))

(Surfmets I and II also available for operation on 220 volt, 50 Hertz, single phase current)

## ABRASIVE BELTS FOR SURFMET BELT SURFACERS

Grit	Aluminum Oxide Dry Use only 4" x 36" (10.2 x 91.4 cm)	Silicon Carbide Carbimet® Metsplice® Wet or Dry Use 4" x 36" (10.2 x 91.4 cm)
50	16-5000-050-010	16-5200-050-010
80	16-5000-080-010	16-5200-080-010
120	16-5000-120-010	16-5200-120-010
150	16-5000-150-010	—
180	16-5000-180-010	16-5200-180-010
240	16-5000-240-010	16-5200-240-010
320	16-5000-320-010	16-5200-320-010
400		16-5200-400-010
600		16-5200-600-010

(All Belts packaged 10 per box)

## ADDITIONAL ACCESSORIES FOR SURFMETS

**No. 10-1215 RECIRCULATING SYSTEM**, including baffled and compartmented tank, 1/25 HP 115 volt, 50/60 Hertz, single phase motor directly connected to pump.

Overall dimensions: 13" W x 21" D x 15" H  
(33 x 53 x 38 cm)

Approx. shipping weight: 74 lbs. (34 kg)

**No. 10-1220 RECIRCULATING SYSTEM**, including baffled and compartmented tank, 1/25 HP 220 volt, 50/60 Hertz, single phase motor directly connected to pump.

Overall dimensions: 13" W x 21" D x 15" H  
(33 x 53 x 38 cm)

Approx. shipping weight: 74 lbs. (34 kg)

**No. 16-3170 HOSE & CONNECTOR ASSEMBLY** for connection of Buehler SURFMET I and SURFMET II to Recirculating Cooling Systems.