



# SCANDIMATIC

UNIVERSAL GRINDING AND  
POLISHING MACHINE

# SCANDIMATIC SERIE 33

## SCANDIMATIC 33035

**Manual grinding and polishing machine** for grinding and polishing materialographic samples by hand – for discs with Ø 200 mm.



### TECHNICAL DATA

Electrical connection	220 V/50-60 Hz	
Connected load	0,3 kW	
Rotational speed	40-600 r/min	
Water inlet	¼"	
Water outlet	½"	
Dimensions	Width	340 mm
	Height	215 mm
	Depth	560 mm
Weight	20 kg	

### STANDARD EQUIPMENT

- Splash ring with cover

### ACCESSORIES

- Cooling water circulation pump
- Polyethylene supporting disc Ø 200 mm
- Aluminium supporting disc Ø 200 mm
- MAGNETIC PAD Ø 200 mm

## SCANDIMATIC 33305

**Automatic grinding and polishing machine** for grinding and polishing 1 to 3 materialographic samples with integrated automatic floating chuck mechanism – for discs with Ø 200 mm.



### TECHNICAL DATA

Electrical connection	220 V/50-60 Hz	
Connected load	0,4 kW	
Rotational speed	40-600 r/min	
Water inlet	¼"	
Water outlet	½"	
Dimensions	Width	340 mm
	Height	400 mm
	Depth	560 mm
Weight	23 kg	

### STANDARD EQUIPMENT

- Splash ring with cover
- Lubricator
- Sample holder arm for 1 to 3 samples with Ø 32 mm
- 3 weights (300 g each)

### ACCESSORIES

- Cooling water circulation pump
- Polyethylene supporting disc Ø 200 mm
- Aluminium supporting disc Ø 200 mm
- MAGNETIC PAD Ø 200 mm
- Sample holder arm for 1 to 3 samples with Ø 40 mm

# SCANDIMATIC SERIE 37

## SCANDIMATIC 33065

**Automatic grinding and polishing machine** for grinding and polishing 1 to 3 materialographic samples with integrated automatic sample holder, for discs with Ø 200 mm.



### TECHNICAL DATA

Electrical connection	220 V/50-60 Hz	
Connected load	0,6 kW	
Rotational speed	40-600 r/min	
	Clockwise/ anti-clockwise turning	
Rotation sample holder	75 r/m	
Dimensions	Width	400 mm
	Height	435 mm
	Depth	560 mm
Weight	32 kg	

### STANDARD EQUIPMENT

- Splash ring with cover
- Automatik Sample holder for 1-3 samples with Ø 40 mm
- Single pressure with spring force 5-35 N

### ACCESSORIES

- Cooling Water Circulation pump
- Polyethylene supporting disc Ø 200 mm
- Aluminium supporting disc Ø 200 mm
- Lubricator
- MAGNETIC PAD Ø 200 mm

## SCANDIMATIC 37035

**Manual grinding and polishing machine** for grinding and polishing materialographic samples by hand – for discs with Ø 250 or Ø 300 mm.



### TECHNICAL DATA

Electrical connection	220 V/50-60 Hz	
Connected load	0,5 kW	
Rotational speed	40-600 r/min	
Water inlet	¼"	
Water outlet	½"	
Dimensions	Width	400 mm
	Height	215 mm
	Depth	660 mm
Weight	29 kg	

### STANDARD EQUIPMENT

- Splash ring with cover

### ACCESSORIES

- Cooling water circulation pump
- Polyethylene supporting disc Ø 250/300 mm
- Aluminium supporting disc Ø 250/300 mm
- MAGNETIC PAD Ø 250/300 mm

## SCANDIMATIC 37305

**Automatic grinding and polishing machine** for grinding and polishing 1 to 3 materialographic samples with integrated automatic floating chuck mechanism – for discs with Ø 250 or Ø 300 mm.



### TECHNICAL DATA

Electrical connection	220 V/50-60 Hz	
Connected load	0,6 kW	
Rotational speed	40-600 r/min	
Water inlet	¼"	
Water outlet	½"	
Dimensions	Width	400 mm
	Height	400 mm
	Depth	660 mm
Weight	37 kg	

### STANDARD EQUIPMENT

- Splash ring with cover
- Lubricator
- Sample holder arm for 1 to 5 samples with Ø 40 mm
- 5 weight sets (1.250 g each)

### ACCESSORIES

- Cooling water circulation pump
- Polyethylene supporting disc Ø 250/300 mm
- Aluminium supporting disc Ø 250/300 mm
- MAGNETIC PAD Ø 250/300 mm
- Sample holder arm for 1 to 3 samples with Ø 50 mm

## SCANDIMATIC DUO 370325

**Manual twin turn table grinding and polishing machine** for grinding and polishing materialographic samples by hand – for supporting discs with Ø 250 or Ø 300 mm.



### TECHNICAL DATA

Electrical connection	220 V/50-60 Hz	
Connected load	0,7 kW	
Rotational speed	40-600 r/min	
Water inlet	¼"	
Water outlet	½"	
Dimensions	Width	840 mm
	Height	215 mm
	Depth	660 mm
Weight	43 kg	

### STANDARD EQUIPMENT

- Splash ring with cover

- Cooling water circulation pump
- Polyethylene supporting disc Ø 250/300 mm
- Aluminium supporting disc Ø 250/300 mm
- MAGNETIC PAD Ø 250/300 mm

# SCANDIMATIC GRINDING AND POLISHING EQUIPMENT



**SCAN-DIA provides a compact series of grinding and polishing machines. The SCANDIMATIC series comprises SCANDIMATIC series 33 which is suitable for discs with Ø 200 mm and SCANDIMATIC series 37 which is suitable for discs with Ø 250 or Ø 300 mm.**

Due to their compactness and simple operability, they may be used in smaller laboratories as well as in larger ones.

The machines are characterised by timeless design. They come with a solid metal housing and provide a multi-functional bearing of moving parts as well as a powerful low-noise precision motor.

A special feature of this machine is its extreme versatility.

One of the particularly interesting characteristics is its automatic floating chuck mechanism. Only a few steps are required to change from automatic to manual operation.

The polishing disc speed can be adjusted using the keys (40 to 600 rpm).

The relevant speed is indicated in the display.

When polishing in automatic mode, the contact pressure may individually be adjusted using different weights.

Samples which are mechanically moved across the entire diameter of the polishing disc do not have to be clamped or fixed with clips.

Moreover, it is possible to grind or polish individual samples.

With a contact pressure applied (using individual weights made from stainless steel), they rotate loosely around their own axis.

A lubricator provides for the appropriate humidity during polishing.

All devices come with a water inlet and outlet connection.

**SCAN-DIA GmbH & Co. KG**

Postfach 30 31  
58030 Hagen | Germany

**E-mail** [info@scan-dia.com](mailto:info@scan-dia.com)  
**Internet** [www.scan-dia.com](http://www.scan-dia.com)

**Phone** +49 (0) 2331 6 24 69 0  
**Fax** +49 (0) 2331 6 24 69 29

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