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.
## SCANDIMATIC SERIE 33

### SCANDIMATIC 33035

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

![Manual grinding and polishing machine](image1)

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical connection</td>
<td>220 V/50-60 Hz</td>
</tr>
<tr>
<td>Connected load</td>
<td>0.3 kW</td>
</tr>
<tr>
<td>Rotational speed</td>
<td>40-600 r/min</td>
</tr>
<tr>
<td>Water inlet</td>
<td>¼&quot;</td>
</tr>
<tr>
<td>Water outlet</td>
<td>½&quot;</td>
</tr>
<tr>
<td>Dimensions Width</td>
<td>340 mm</td>
</tr>
<tr>
<td>Height</td>
<td>215 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>560 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>20 kg</td>
</tr>
</tbody>
</table>

### 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.

![Automatic grinding and polishing machine](image2)

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical connection</td>
<td>220 V/50-60 Hz</td>
</tr>
<tr>
<td>Connected load</td>
<td>0.4 kW</td>
</tr>
<tr>
<td>Rotational speed</td>
<td>40-600 r/min</td>
</tr>
<tr>
<td>Water inlet</td>
<td>¼&quot;</td>
</tr>
<tr>
<td>Water outlet</td>
<td>½&quot;</td>
</tr>
<tr>
<td>Dimensions Width</td>
<td>340 mm</td>
</tr>
<tr>
<td>Height</td>
<td>400 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>560 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>23 kg</td>
</tr>
</tbody>
</table>

### 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
- **Rotation sample holder**: 75 r/min
- **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

<table>
<thead>
<tr>
<th>Electrical connection</th>
<th>220 V/50-60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connected load</td>
<td>0.6 kW</td>
</tr>
<tr>
<td>Rotational speed</td>
<td>40-600 r/min</td>
</tr>
<tr>
<td>Water inlet</td>
<td>¼&quot;</td>
</tr>
<tr>
<td>Water outlet</td>
<td>½&quot;</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Width 400 mm</td>
</tr>
<tr>
<td></td>
<td>Height 400 mm</td>
</tr>
<tr>
<td></td>
<td>Depth 660 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>37 kg</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Electrical connection</th>
<th>220 V/50-60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connected load</td>
<td>0.7 kW</td>
</tr>
<tr>
<td>Rotational speed</td>
<td>40-600 r/min</td>
</tr>
<tr>
<td>Water inlet</td>
<td>¼&quot;</td>
</tr>
<tr>
<td>Water outlet</td>
<td>½&quot;</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Width 840 mm</td>
</tr>
<tr>
<td></td>
<td>Height 215 mm</td>
</tr>
<tr>
<td></td>
<td>Depth 660 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>43 kg</td>
</tr>
</tbody>
</table>

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
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 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.