TYROLIT FLOOR GRINDING
THE ENTIRE RANGE
Machines and tools

Premium grinding tools since 1919
www.tyrolit.com
TYROLIT Group
A global company

As one of the world’s leading manufacturers of bonded grinding, cutting, sawing, drilling and dressing tools and a system supplier of tools and machines for the construction industry, the family-run TYROLIT company has been synonymous with superior quality, innovative spirit and outstanding service since 1919.

Day in, day out the experts at TYROLIT are busy working on solutions that accommodate the individual requirements of customers around the world; thus contributing to their business success. Some 80,000 available products set the standard in various industrial sectors.

TYROLIT business units

Construction
In the Construction Division, TYROLIT is the leading system supplier for drilling systems, wall- and wire saws, floor saws and surface treatment.

Trade
Thanks to its global sales network, in addition to premium product solutions in the three core areas of cutting, grinding and finishing. TYROLIT’s Trade business unit guarantees truly customer-focused marketing support.

Metal / Precision
From precision machining in the engine and gear industry to the production of cut-off wheels with diameters up to 2,000 mm for the steel industry – the TYROLIT product range in the Metal & Precision business unit includes high-tech tools for a huge variety of applications.

Stone – Ceramics – Glass
Our customised diamond tools and grinding solutions in the Stone – Ceramics – Glass business unit cannot fail to impress through their exceptional performance and quality.
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Pictograms
Reliable Products
for grinding and removing

TYROLIT offers complete system solutions for the perfect grinding of concrete floors and for removing stubborn surface coatings. The system components are available in scaled grain variants and can be combined easily and flexibly according to the surface: from rough to fine grinding work. Due to the special tool changing system, tools can be fitted or swapped out easily and safely, in next to no time.

Our tools with ETX1 fixture can be used universally with all TYROLIT floor grinders in the range. Additionally, the tools are available with EZchange™ tool change system for HTC floor grinders, with REDI LOCK® change system for Husqvarna floor grinders, or as an ETX1 + ETX2 Version for Schwamborn floor grinders.

In order to guarantee a perfect grinding result for all concrete floors, a special line was developed for each hardness of concrete. In addition, we also offer a special product line for removing stubborn surface coatings.

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Floor grinding tools


Not only does TYROLIT divide the floor grinding tools according to the hardness level of the concrete, additionally, we also distinguish between a very smooth and a rough concrete application. The various colours of the floor grinding tools signify different grain sizes.

The floor grinding tools for concrete processing are available as single- or double segments. The latter have a longer lifetime.

C-Line

The C-Line, or Cleaning Program, differentiates a very smooth and a rough concrete application. The various colours of the floor grinding tools signify different grain sizes.

Single segment, H-Line, ETX1 fixture, grain size 40#

Double segment, H-Line, ETX1 fixture, grain size 40# + HM grit (3-5 mm)
## S-Line

For soft concrete and abrasive materials

Soft concrete, asphalt and other porous materials are very aggressive on tools and reduce their lifetime. The TYROLIT S-Line grinding tools are specially tuned for this application.

### TYROLIT + Schwamborn ETX1

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**M-Line**  
For medium hard concrete

### TYROLIT + Schwamborn ETX1

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**FLOOR GRINDING TOOLS**

**H-Line**

For hard concrete

Well suitable for natural stone, marble and terrazzo.

Sample pictures:

Single segment, H-Line, ETX1 fixture, grain size 40#

Double segment, H-Line, ETX1 fixture, grain size 40#

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**TYROLIT + Schwamborn ETX1**

**Schwamborn ETX2**

**HTC EZchange™**

**Husqvarna REDI LOCK®**
**X-Line**

For extremely hard concrete

Grinding extremely hard concrete can be challenging. The X-Line excels especially in these situations.

**Sample pictures:**

- Single segment, X-Line, ETX1 fixture, grain size 150#
- Double segment, X-Line, ETX1 fixture, grain size 150#

### TYROLIT + Schwamborn ETX1

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### Husqvarna REDI LOCK®

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C-Line
For removing stubborn surface coatings

Sample pictures:
- Single segment, C-Line, ETX1 fixture, grain size 40# + HM grit (3-5 mm)
- Double segment, C-Line, ETX1 fixture, grain size 40# + HM grit (3-5 mm)

### TYROLIT + Schwamborn ETX1

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TYROLIT floor grinders

The new TYROLIT floor grinding range convinces with universality, grinding performance and easy handling.

Equipped with the newest technology for low vibration, ergonomics and easy handling, our floor grinders meet all important requirements. The innovative, free-floating dust guard enables easy, low-vibration grinding. Fast tool assembly is achieved by the tried and true quick tool change system. The swivel-mounted grinding head of the smallest floor grinder FGE250 has the advantage that work is possible in three positions, namely left, right and straight-up, thus, taking strain from the knees and the back while grinding. At the same time, the clever dosing of the water at the control handle of the floor grinders FGE450 and FGE530 accomplishes advantageous results for wet grinding.

We recommend the TYROLIT floor grinders for the following applications:

- Surface preparation, cleaning formwork, removing coatings like glue or compound
- Grinding and renovating floors, fixing bumps and floor unevenness, surface grinding
- Renovating and polishing concrete, screed and stone floors

TYROLIT floor grinders are

**Versatile**

- For cleaning, grinding and polishing
- 1- and 3-phase models
- Dry or wet use
- Left or right rotating direction

**Easy**

- Fast tool change
- Automatic tool adaptation
- Height-adjustable suction ring
- Constructed for easy servicing

**Ergonomic**

- Ergonomic controls
- Foldable control handle
- Dust and vibration-free grinding and polishing
- Additional, foldable carrying handles facilitate transportation
Floor grinder FGE250
Single phase, max. grinding width 250 mm

The FGE250 allows quick, easy, and ergonomic edge grinding. The swivelling grinding head can be fixed in three positions (straight, left, right). The newly developed floating cover ensures dust-free, low-vibration grinding, and the single grinding head increases productivity and grinding performance. Thanks to a quick tool-fixing system the grinder can be set up rapidly.
# System & Accessories

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## Design

- 1 Grinding head
- Direct drive
- Swivelling grinding head

## Drive

- Drive/motor: Electric
- Power: 2.2 kW
- Voltage/Frequency: 230 V / 50 Hz
- Current: 13.2 A

## Dimensions & Weight

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## System & Accessories

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<tr>
<td>Floor Grinder FGE250 2,2 kW 230 V (50 Hz)</td>
<td></td>
</tr>
</tbody>
</table>
The innovative and easy-to-use FGE400 is a ergonomic, low-vibrance floor grinder, fulfilling all requirements for modern and efficient grinding. The single grinding head increases productivity and grinding performance. The quick tool-fixing system and additional carrying handles make it easy to set-up and transport. Dust-free working is guaranteed due to a floating cover and a reliable dust extraction system.
## System & Accessories

### Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. grinding width</td>
<td>400 mm</td>
</tr>
<tr>
<td>Grinding disc width</td>
<td>1 x 400 mm</td>
</tr>
<tr>
<td>Grinding disc speed</td>
<td>900 rpm</td>
</tr>
<tr>
<td>Grinding pressure</td>
<td>30-53 kg</td>
</tr>
<tr>
<td>Tool system</td>
<td>ETX1</td>
</tr>
<tr>
<td>Number of tools</td>
<td>6 pieces</td>
</tr>
</tbody>
</table>

### Design

- 1 Grinding head
- Direct drive
- Additional carrying handles

### Drive

- Drive/motor: Electric
- Power: 4 kW
- Voltage/Frequency: 400 V / 50 Hz
- Current: 8.1 A

### Dimensions & Weight

- Length: 650 mm
- Width: 450 mm
- Height: 750 mm
- Weight: 109 kg

---

### System & Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10998984</td>
<td>Floor Grinder FGE400 400V (50 Hz)</td>
</tr>
<tr>
<td>10999309</td>
<td>Additional weight kit (7.5 kg x 3 pcs.)</td>
</tr>
</tbody>
</table>
Floor grinder FGE450
Three-phase, max. grinding width 450 mm

The FGE450 is a universal floor grinder for cleaning, decoating, grinding and polishing. It is compactly designed and easy-to-use. The planetary drive system guarantees perfectly even and economic results. The water metering for wet grinding is directly located at the handhold. A quick tool-fixing system and dismountable machine parts enable rapid set-up and transport.
## System & Accessories

### Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. grinding width</td>
<td>450 mm</td>
</tr>
<tr>
<td>Grinding disc width</td>
<td>3 x 160 mm</td>
</tr>
<tr>
<td>Grinding disc speed</td>
<td>1200 rpm</td>
</tr>
<tr>
<td>Grinding pressure</td>
<td>75 kg</td>
</tr>
<tr>
<td>Tool system</td>
<td>ETX1</td>
</tr>
<tr>
<td>Number of tools</td>
<td>9 pieces</td>
</tr>
</tbody>
</table>

### Design

- 3 Grinding discs
- Planetery drive system (belt)
- Detachable machine parts
- Water tank: 10l

### Drive

- Drive/motor: Electric
- Power: 2.2 kW
- Voltage/Frequency: 400 V / 50 Hz
- Current: 4.7 A

### Dimensions & Weight

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>800 mm</td>
</tr>
<tr>
<td>Width</td>
<td>600 mm</td>
</tr>
<tr>
<td>Height</td>
<td>1050 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>106 kg</td>
</tr>
</tbody>
</table>
The FGE530 is a classic floor grinder for the surface preparation and floor polishing. It is easy to use and has a high grinding performance. The planetary drive system guarantees perfectly even and economical grinding results. The water metering for wet grinding is directly located at the handhold. A quick tool-fixing system and dismountable machine parts enable rapid set-up and transport.
# System & Accessories

## Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. grinding width</td>
<td>530 mm</td>
</tr>
<tr>
<td>Grinding disc width</td>
<td>3 x 200 mm</td>
</tr>
<tr>
<td>Grinding disc speed</td>
<td>400-1200</td>
</tr>
<tr>
<td>Grinding pressure</td>
<td>114 kg</td>
</tr>
<tr>
<td>Tool system</td>
<td>ETX1</td>
</tr>
<tr>
<td>Number of tools</td>
<td>9 pieces</td>
</tr>
</tbody>
</table>

## Design

- 3 Grinding discs
- Planetary drive system (belt)
- Detachable machine parts
- Water tank: 10l

## Drive

- Drive/motor: Electric
- Power: 4 kW
- Voltage/Frequency: 400 V / 50 Hz
- Current: 8.1 A

## Dimensions & Weight

- Length: 850 mm
- Width: 600 mm
- Height: 1000 mm
- Weight: 152 kg