The World’s Best-Selling Industrial Cutting Tool Grinders & Sharpeners

Darex offers a wide range of sharpeners to fit any shop’s need. Sharpeners range from the popular V391 for smaller shops, the E90i for sharpening endmills, the versatile XT3000i, to the fully automatic XPS16i CNC that can manage even the heaviest work load.

Darex® began in 1973 in Beecher, Illinois. The D, A, and R of DAREX are the initials of three generations of the Bernard family: David, Arthur, and Richard Bernard. David and his father Richard founded Darex. Grandfather Arthur Bernard, who earlier founded the Bernard Welding Company, contributed his energy and guidance to Darex. In 1978, Darex relocated to Ashland, Oregon where they are located today. In 2008, Matthew Bernard became the fourth generation family owner of the company. Since its beginning, Darex has grown to become the makers of the world’s best-selling industrial drill sharpeners as well as a full range of commercial and consumer sharpening products. Darex brands include Darex industrial sharpeners, Drill Doctor® professional and home shop drill bit and spade bit sharpeners, and Work Sharp® tool sharpeners. Darex has been helping industry, professionals, and do-it-yourselfers stay sharp for almost 40 years.
Get basic precision drill sharpening at an irresistible price. With the V391, even very small shops can quickly sharpen their own tools and keep on working. For the cost of less than 100 drills, you can accurately sharpen you most common drill sizes in under a minute. The Darex V391 incorporates much of the same technology as our more advanced machines and is the perfect choice for intermittent use. Its simple, intuitive design gives everyone access to sharp drills when they need them.

• Drill capacity: 3mm – 19mm
• Point angle: 118° – 140°
• Point style: conic and standard split point
• Power required: 230V, 50Hz, 3.0amp, 1/3hp, 2850 rev/min
• Size/weight: 30×28×23cm, 11kg
• Borazon (CBN) wheel for HSS & cobalt; diamond wheels for carbide are also available
• 3–19mm Morse-Taper chuck also available

See the V391 in action online at www.darex.com.
Create A Wide Variety of Point Styles with Fool-Proof Precision

This expandable tool sharpener grows as your shop’s needs grow. When you want the right point for the job sharpened quickly and simply, the Darex XT3000i is your best choice. It sharpens a wide variety of sizes and styles of drills, as well as a wide range of other tools, with ease and accuracy. For the price of a couple hundred drills, you can sharpen in-house for pennies a drill. The XT3000i’s chuck/cam design makes it easy for everyone in your shop to be a sharpening expert with just a few minutes of instruction. This is a rock solid, heavy-duty machine capable of sharpening all day, every day. Attachments can be interchanged in seconds and all adjustments can be made without tools.

Incorporating 30 years of sharpening expertise, the Darex XT3000i is the finest, most technologically advanced manual drill/tool sharpener every produced.

- Acceptable drill diameter: 3mm – 21mm (21mm - 30mm option available)
- Point angles sharpened: 118°–150° (90° option available)
- Point styles sharpened: Standard conic and split point
- Acceptable drill length: Unlimited maximum, 2” minimum
- Machine size: 51x51x41cm
- 230V, 50Hz, 1/4hp, 8.0amp, 2850/3450 rev/min
- Machine weight: 31kg
- Sharpening Wheel included: Borazon (CBN) for HSS & cobalt (diamond option for carbide available)
- Grit removal system: Optional vacuum

www.darex.com
Everything the XT3000i Does—Automatically

The new XT3000i Auto is an affordable way to bridge the gap between a manually operated machine and a fully automated CNC sharpening system. It provides fast payback and is easily integrated into your workflow. It always delivers consistent results regardless of operator skill levels, so it’s ideal for multi-shift manufacturing operations and extended production runs.

The new XT3000i Auto-Sharp does everything the XT3000i does; but it does it automatically—and at a very affordable price.

NEW! Introducing the XT3000i Auto-Sharp

The XT3000i offers the widest variety of options—so your sharpening capabilities can grow as your shop does.

- Brad point attachment
  Part No. LEX200

- Step drill attachment
  Part No. LEX250

- Countersink sharpening attachment
  Part No. LEX150INTL

- Attachment adapter (needed for any of the above attachments)
  Part No. LEX100

- 90°-122° point attachment
  Part No. LEX300

- Lg. drill attachment (21–30mm)
  Part No. LEX050

- Mini Drill Attachment (1.5 - 9mm)
  Part No. LEX350 + LEX351

- 3–12mm left hand chuck
  Part No. SA16484TA

- 12–21mm left hand chuck
  Part No. SA16488TA

- 3–12mm MT common shank chuck
  Part No. SA16402TA

- Quiet, continuous duty, vacuum/filter system
  Part No. SA12072EA

OPTIMAL ACCESSORIES FOR THE XT3000i

See the XT3000 manual & auto sharpeners in action online at www.darex.com.
Only CNC can reproduce the complex, high-tech points found on today’s premium HSS and carbide drills—and the XPS16i can do it all with the touch of a button. For the price of a couple hundred premium carbide drills, you can sharpen in-house for only pennies a drill. This high-capacity machine can easily sharpen thousands of drills every week. With a user interface as easy to learn and use as a cell phone, everyone in your shop can be sharpening on the XPS16i in just a few minutes. Sharpen pre-programmed points, or program your own custom points. XPS16i is the only machine in the world that can automatically detect the drill’s length, diameter, and web thickness—and then sharpen the drill—all in one continuous process without operator involvement.

- Cutting tool diameter: 3mm – 16mm
- Operation mode: Automatic
- Point angles sharpened: 118°–150° (90° option available)
- Point styles sharpened: Standard conic, 4-facet, standard and radius split point
- Power: 230V, 50Hz, 1/2hp, 4.0amp, 3850 rev/min
- Machine size: 66 × 56 × 30.5cm
- Machine weight: 52kg / vacuum 13kg
- Sharpening Wheel included: Borazon (CBN) for HSS & cobalt; diamond for carbide
- Grit removal system: Vacuum

www.darex.com
The Darex CNC-XPS-16i 4 Axis sharpener can be programmed to sharpen an infinite variety of high performance points similar to drills made by: Guhring, Mitsubishi, Nachi, OSG, Sumitomo and Titex... to name a few.

**OPTIONAL ACCESSORIES FOR THE XPS16**

- XPS16 Grinding Wheel 180 CBN  
  Part No. PP12660GF

- XPS16 Grinding Wheel 220 Grit Diamond  
  Part No. PP12666GF

- More diamond sharpening wheels available!  
  Visit our website for a complete list.

See the XPS16 in action online at [www.darex.com](http://www.darex.com) or call us for more information at 800-547-0222.
Easily Sharpens a Wide Variety of Endmills

Now you can sharpen end mills easily and affordably in-house. The endmill is a complicated cutting tool. Both the spiraled flutes and the ends require at least two separate grinds. The E90i makes that difficult job simple. Sharpen the primary and clearance (relief) grinds on the flutes and ends in one easy set-up. The entire process takes about five minutes—then your endmill is ready and back on the job.

- Cutting tool diameter: 1.5mm – 26mm shank capacity, up to 50mm flute diameter
- 2, 3, 4, and 6 flute HSS, cobalt, and carbide end mills. (optional 5 flute collar available)
- 2° fishtail on the end of the tool
- Maximum flute length: 156mm
- 230V, 50Hz, 1/4hp, 1.6amp, 2850 rev/min
- Size/weight: 45×43×27cm, 33kg
- Resin-bonded CBN wheel included (diamond wheel for carbide optional)

OPTIONAL ACCESSORIES FOR THE E90i

- E90i Borazon Cup Wheel
  Part No. PP08626GF

- E90i Diamond Cup Wheel
  Part No. PP08624GF

See the E90i in action online at www.darex.com or call us for more information at 800-547-0222.
<table>
<thead>
<tr>
<th>Darex Model</th>
<th>XPS-16i Drill Grinder &amp; Sharpener</th>
<th>XT-3000i Drill Grinder &amp; Sharpener</th>
<th>XT-3000i-Auto Drill Grinder &amp; Sharpener</th>
<th>V-391 Drill Grinder &amp; Sharpener</th>
<th>E90i End Mill Grinder &amp; Sharpener</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ideal for</td>
<td>Shops that demand precision and productivity of a fully automatic 4-axis CNC sharpener. Also for those that need a simple solution to regrind and hone complex geometry on Carbide drills.</td>
<td>Shops that sharpen a variety of drill sizes and styles and want the advantages of a highly advanced manual drill and tool sharpener.</td>
<td>Does everything the standard XT does, but automates the drill sharpening process for shops with higher sharpening volume requirements and need to eliminate the human influence on the process.</td>
<td>Shops that demand a precision sharpener at a value price that operates quickly and intuitively.</td>
<td>Shops that want to save money by sharpening end mills quickly and easily using a precision air bearing system.</td>
</tr>
<tr>
<td>Usage</td>
<td>High Performance</td>
<td>Standard duty</td>
<td>Heavy Duty, High Capacity</td>
<td>Light Duty, Intermittent Use</td>
<td>Standard duty</td>
</tr>
<tr>
<td>Grinding Capacity</td>
<td>3–16 mm</td>
<td>3–21 mm (21-30mm option available)</td>
<td>3–21 mm (21-30mm option available)</td>
<td>3–19 mm</td>
<td>1.6–50mm grind capacity, 13-25mm shank diameter capacity</td>
</tr>
<tr>
<td>Angles Sharpened</td>
<td>118°–150° (90° option available)</td>
<td>118°–150° (90° option available)</td>
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<td>118°–140°</td>
<td>2° fishtail</td>
</tr>
<tr>
<td>Point Angle Styles Sharpened</td>
<td>Standard conic, 4-facet, standard and radius split point</td>
<td>Standard conic and split point</td>
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<td>2, 3, 4, &amp; 6-flute HSS, cobalt &amp; carbide end mills (5-flute collar option available)</td>
</tr>
<tr>
<td>Machine Size</td>
<td>66 x 56 x 30.5 cm</td>
<td>51 x 51 x 41 cm</td>
<td>51 x 51 x 41 cm</td>
<td>30 x 28 x 23 cm</td>
<td>66 x 56 x 30.5 cm</td>
</tr>
<tr>
<td>Sharpening Wheel included</td>
<td>Borazon (CBN) for HSS &amp; cobalt; diamond for carbide</td>
<td>Borazon (CBN) for HSS &amp; cobalt (diamond option for carbide available)</td>
<td>Borazon (CBN) for HSS &amp; cobalt (diamond option for carbide available)</td>
<td>Borazon (CBN) for HSS &amp; cobalt (diamond option for carbide available)</td>
<td>Resin-bonded CBN wheel (diamond option for carbide available)</td>
</tr>
<tr>
<td>Grit removal system</td>
<td>Standard</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>N/A</td>
</tr>
</tbody>
</table>