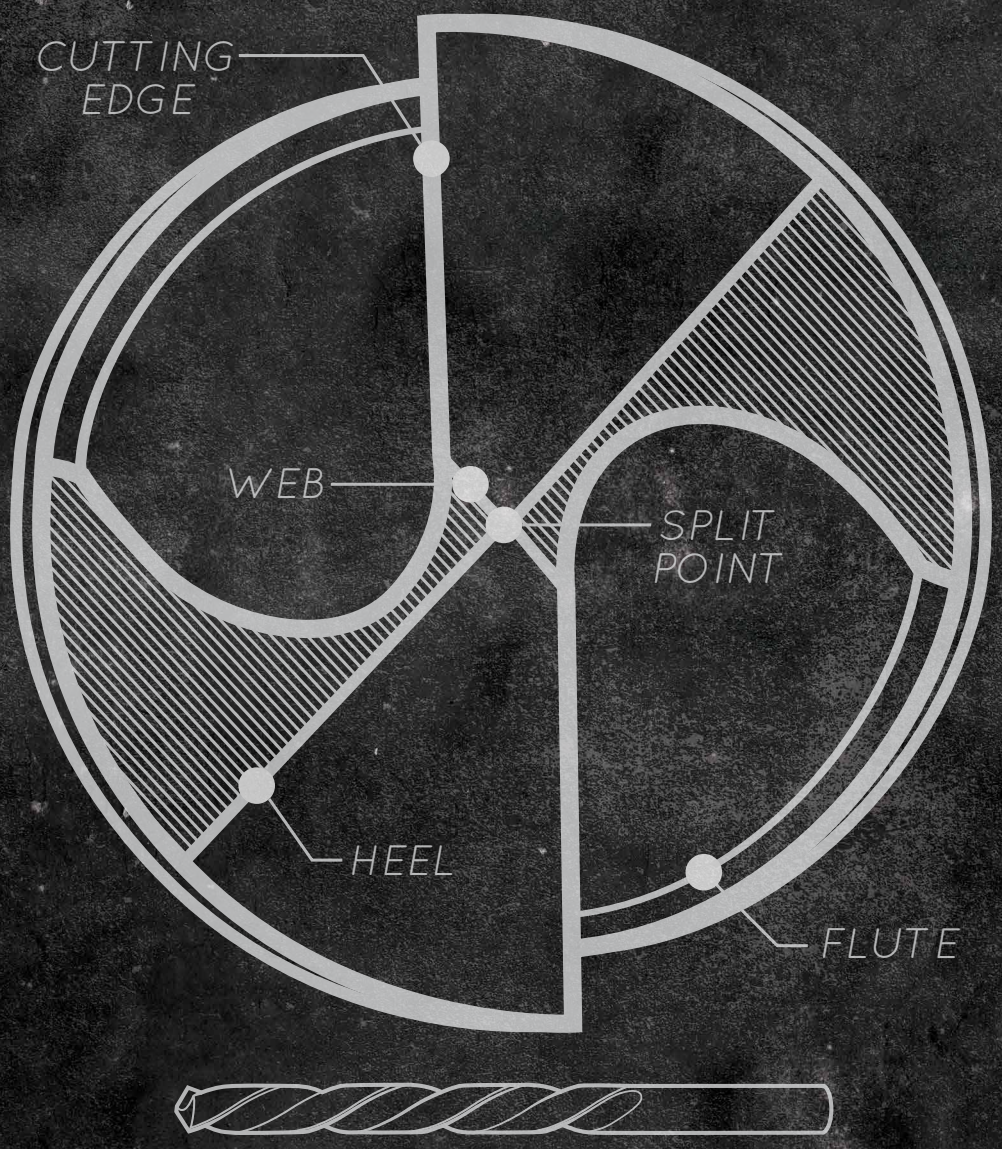
DAREx®

INTERNATIONAL



INNOVATIVE

SHARPENING TOOLS

SINCE

1973

A SHARPENING FOCUSED FAMILY BUSINESS SINCE 1973

TABLE OF CONTENTS

COMPANY STORY 4

COMPANY TIMELINE 5

DAREX INDUSTRIAL TOOL SHARPENERS

- V-391 8
- XT-3000I 9
- XT-3000I-A 10
- XT ATTACHMENTS 11
- XPS-16+I 12
- XPS-16+CCI 13
- PRODUCT SELECTION GUIDE 14

COMPANY STORY

DAREX, LLC is proud to be an American company!

DAREX Sharpeners are assembled by hard-working Americans at our family-owned business in Ashland, Oregon. We have been creating premium sharpening tools right here in the USA for more than 40 years.

Founded in Chicago in 1973, our company was built on the core values of honesty, integrity, respect and enjoying what we do. From those humble beginnings, we have grown, proudly continuing a tradition of American innovation. Starting with our first sharpener, the DAREX M1, our entire product line has been designed, engineered, and tested to the highest standards. We now employ about 85 people and have sold more than 3 million tools, but the basic values we started with remain vibrantly alive at the forefront of our business decisions.

Changes in the global economy have forced us to buy some parts offshore, but we remain committed to designing, assembling and quality-checking our products right here in Ashland, Oregon, with our American workforce. We could deliver cheaper products to you, but then we couldn't deliver the value and service you - and we - have come to expect.

You get what you pay for. DAREX is a premium tool that will last. If you call us for customer service, you will speak to someone at our manufacturing facility who knows our products and is committed to ensuring your satisfaction. We know you need your tools to work as hard as you do, so we have designed them to stand up to the rigors of daily use.

Tools are an investment. We make our sharpeners so that you can get the most value out of your investment, and your purchase of this new tool is also an investment in hard-working Americans. Thank you for your trust in us and our products.

COMPANY TIMELINE

1947

Bernard Welding Equipment Co. is founded by Art Bernard, one of the world's 1st welding engineers. Art's son, Richard soon joins and Bernard Co. grows to become one of the premier manufacturers of MIG welding guns & accessories.

1973

DAREX incorporates. Richard Bernard and Dave, his son, are founders. The first three letters of the DAREX name are derived from the first letters of David, Arthur, and Richard Bernard.

1976

The first DAREX drill sharpener, the M1, is introduced at the Cleveland regional tool show.

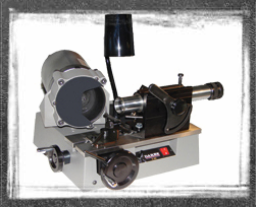
1979

The second generation drill sharpener, the M2, is introduced.

1981

Designed by Dave Bernard, the third generation drill sharpener, the M3, is introduced.

1988



Endmill sharpeners are introduced.

1992

OREGON BUSINESS 100 BEST COMPANIES TO WORK FOR

DAREX wins the 100 Best Companies to Work For in Oregon award.

1996

Drill Doctor®
The Drill Bit Sharpener

Drill Doctor debuts in August at the International Hardware Show in Chicago.

2002

The XPS-16 CNC sharpener is introduced.

2003

The XT-3000I Expanded Tool Sharpener is introduced.

2004

The one millionth Drill Doctor is sold! DAREX is again named on of Oregon's Top 50 Places to Work.

2007

WORK SHARP®

The Work Sharp brand, for precision wood and shop tool sharpening, is launched.

2009

DAREX introduces the Auto Sharpener, automating the sharpening process on the already popular XT-3000I.

2010

Work Sharp introduces the Knife & Tool Sharpener, the first ever consumer knife sharpener that uses flexible abrasive belts.

2013-2015

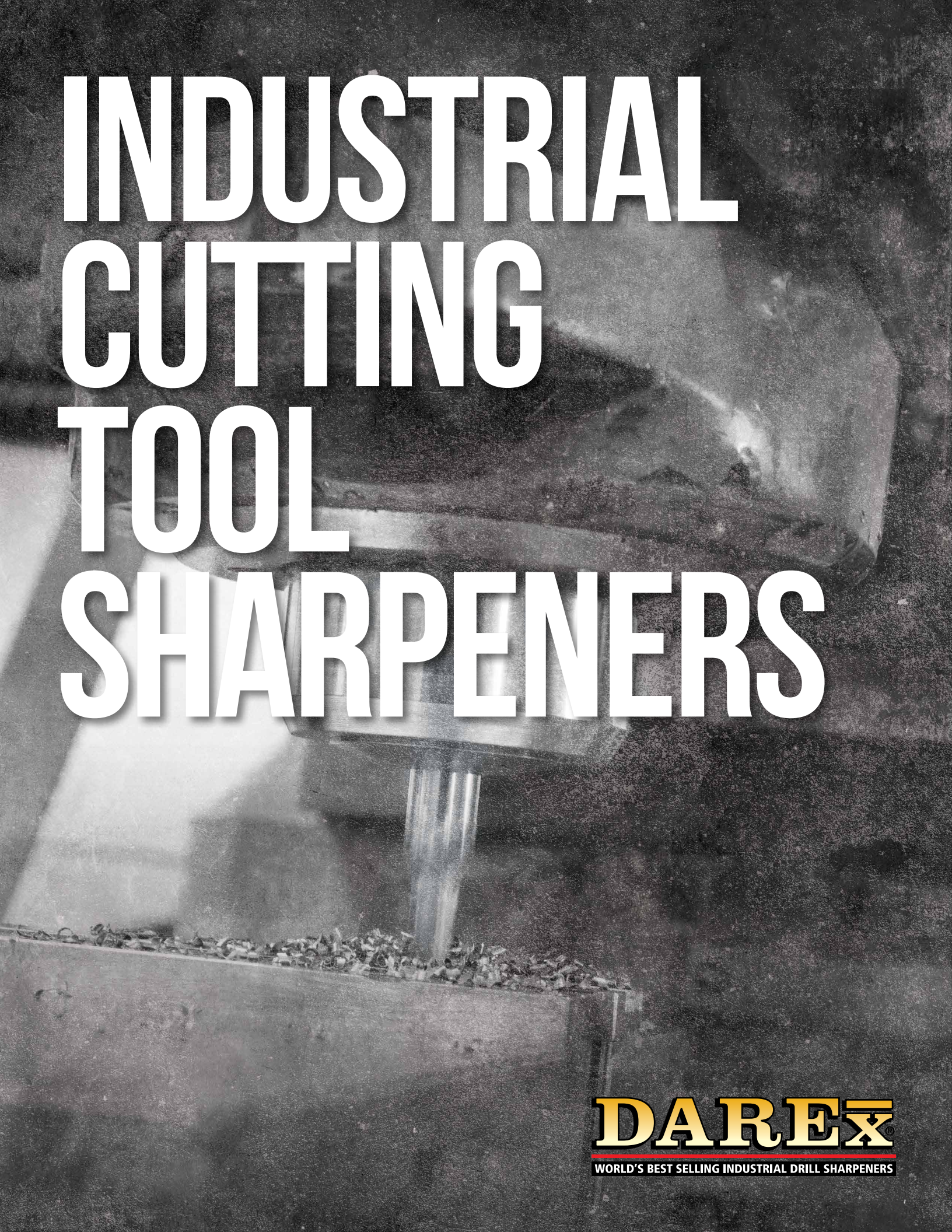
TOP WORK PLACES 2013-15
The Oregonian
POWERING OregonLive.com

Matthew Bernard takes over as President and DAREX is again named one of Oregon's Top Places to Work.

2016

The updated CNC-XPS-16+ is introduced at the IMTS Show in Chicago.

INDUSTRIAL CUTTING TOOL SHARPENERS



DAREx®

WORLD'S BEST SELLING INDUSTRIAL DRILL SHARPENERS

THE WORLD'S BEST-SELLING INDUSTRIAL CUTTING TOOL SHARPENERS

Whether your shop specializes in high-tech mass production or creative custom fabrication, there's a Darex sharpener that will lower your tool costs and make your toughest jobs run smoothly.

Darex offers a wide range of sharpeners for manufacturers and fabricators of all sizes. For smaller shops with low-volume or intermittent sharpening needs, the V-391 is our most popular model. The XT-3000I and XT-3000I-A are the versatile workhorses for most mid-to-large size manufacturers, and the fully automatic XPS-16+I CNC provides the ultimate in precision and productivity. In fact, the high-capacity XPS-16+I is the only machine in the world that can automatically detect a drill's stick-out, diameter, and web thickness—then sharpen and hone the drill—all in one continuous process with minimal operator involvement.

XPS-16+I
Fully Automatic CNC Drill Sharpener

XT-3000I-A
Semi-automatic Drill Sharpener

XT-3000I
Drill Sharpener

V-391
Drill Sharpener

SA10174AF
230V
Vacuum

SA10175AF
Machine Stand
(items shown sold separately)

DAREX SHARPENERS PAY FOR THEMSELVES

Simply compare the cost of an in-house sharpening machine against your monthly expenses for the following:

- Purchasing new bits
- Sending dull bits out for re-sharpening
- Labor downtime
- Machine downtime
- Shipping and handling
- Double inventory costs for sending bits to a sharpening service

V-391

SHARPENS COMMON POINT STYLES WITH EASE

Get precision drill sharpening at an irresistible price. With the Darex V-391, you can accurately sharpen most common drill sizes on-site for less than the cost of 100 drills. Even very small shops can quickly sharpen their own drill bits and keep on working. It's simple, intuitive design gives everyone access to sharp drill bits when they need them, and is the most cost effective sharpener for intermittent use.

See the V-391 in action online at
www.DAREX.com

V-391 SPECIFICATIONS

- Drill capacity: 3-19mm
- Point angle: 118° – 140°
- Point style: conic and standard split point
- Power: 3 amps at 230V
- Size/weight: 30×28×23cm, 11kg
- Borazon (CBN) wheel for HSS & cobalt; Diamond wheel for carbide available
- Morse-Taper chuck 3-19mm available
- Vacuum available
- Machine stand available

V-391 ACCESSORIES

Diamond Wheel
180 Grit
PP11115GF

CBN Wheel
180 Grit
PP11125GF

230V Vacuum
SA10174AF
(optional)

XT-3000I

XT-3000I SPECIFICATIONS

- Accepts drill diameters of: 3mm–21mm
- Accepts drills 50.8mm and greater in length
- Point angles sharpened: 118°–150° (90° option available)*
- Point styles sharpened: Standard conic and split point
- Sharpens countersinks*
- Sharpens Step Drills*
- Sharpens left-hand drills*
- Sharpens 21–30mm drills*
- Sharpens MT & Common Shank Drills*
- Power: 1.6 amps at 230V; 1/4 hp
- Machine size: 51x51x41cm
- Machine weight: 31kg
- Sharpening and Point Split Wheels included: Borazon (CBN) for HSS & cobalt (diamond option for carbide available)
- Grit removal system: Vacuum optional
- Machine and accessory stand optional

* with respective attachments only

CREATE A WIDE VARIETY OF POINT STYLES WITH FOOLPROOF 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 XT-3000I 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 XT-3000I's chuck/cam design makes it easy for everyone in your shop to be a sharpening expert. 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 45 years of sharpening expertise, the Darex XT-3000I is the finest, most technologically advanced manual tool sharpener ever produced.

XT-3000I-A

AUTOMATE YOUR SHARPENING AND INCREASE PRODUCTIVITY

The XT-3000I 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 XT-3000I Auto-Sharp does everything the XT-3000I does; but increases productivity by automating sharpening—and at a very affordable price.

See the XT-3000I-A in action online at
www.DAREX.com

YOUR SHARPENING CAPABILITIES CAN EXPAND AS YOUR SHOP GROWS

XT-SERIES ACCESSORIES

Left-Hand Chucks
3-12mm
SA16484TA

12-21mm
SA16488TA

Large Drill Attachment
21-30mm
LEX050

Countersink Sharpening Attachment*
LEX150INTL
Standard: 1 flute
Optional: 3 & 6 flute
Max CS Diameter: 28mm

90° Point Attachment
Standard: 3-12mm
Optional: 12-21mm
LEX300

Brad Point Attachment*
Standard: 3-12mm
Optional: 12-21mm
LEX200

Step Drill Attachment*
Standard: 3-12mm
Optional: 12-21mm
LEX250

Machine Stand
SA10175AF
(all items shown sold separately)

***XY Table**
Required with the three attachments above
LEX100

XPS-16+I

A FULLY AUTOMATIC 4-AXIS CNC DRILL GRINDER & SHARPENER WITH 6 JAW CHUCK WORK HOLDING SYSTEM

Only a CNC can reproduce the complex, high-tech points found on today's premium Carbide and HSS drills, and the XPS-16+I 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 smart phone, everyone in your shop can be sharpening on the XPS-16+I in just a few minutes. Sharpen pre-programmed drill point profiles or program your own custom profiles. The XPS-16+I is the only machine in the world that can automatically detect the drill's stick-out, diameter, and web thickness—and then sharpen and hone the drill—all in one continuous process with minimal operator involvement.

See the XPS-16+I in action online at **www.DAREX.com**

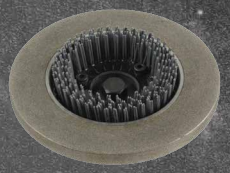
JAW CHUCK CONFIGURATION

- Automatically detects drill diameter
- Provides a fast transition from one drill diameter to another - no collets required

XPS-16+I SPECIFICATIONS

- Cutting tool diameter: 3-16mm
- Operation mode: Automatic
- Point angles sharpened: 90°–150°
- Point styles sharpened: Standard conic, 4-facet, standard and radius split point
- Power: 4amps: 230V
- Machine size: 66 x 56 x 30.5cm
- Machine weight: 52kg; Vacuum 12.7kg
- Sharpening Wheels Included: Borazon (CBN) for HSS & cobalt; Diamond for carbide
- Grit removal system: Vacuum
- Machine stand optional

XPS-16+I ACCESSORIES



220-Grit Diamond Grinding Wheel
Replacement/spare wheel
PP12666GF

180-Grit CBN Grinding Wheel
Replacement/spare wheel
PP12660GF

230V Vacuum
SA10174AF
(included)

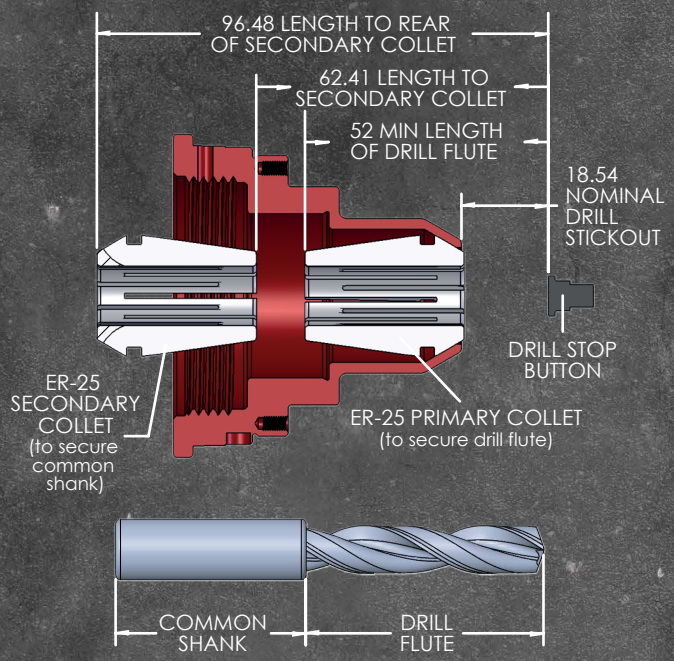
XPS-16+CCI

A FULLY AUTOMATIC 4-AXIS DRILL GRINDER AND SHARPENER WITH ER-25 COLLET CHUCK WORK HOLDING SYSTEM

In addition to the XPS-16+I, Darex also offers the XPS-16+CCI Collet Chuck. With the same capabilities and precision as the XPS-16+I, where the XPS-16+CCI Collet Chuck really shines is its ability to precisely retain and sharpen common shank (endmill shank) and straight fluted drills in addition to the standard parallel shank drills. If your drill inventory also contains common shank or straight fluted drills, then this is the machine for you. The XPS-16+CCI Collet Chuck is able to sharpen your drills from start to finish - all in one continuous process – with minimal operator involvement.

COLLET CHUCK CONFIGURATION

- Sharpens double diameter (common shank/end mill shank) drills
- Sharpens straight flute drills
- Sharpens standard parallel shank drills
- Includes 15 pc ER-25 collets - 2mm – 16mm



Common/End Mill Shank Drills

See the XPS-16+CC in action online at **www.DAREX.com**

INDUSTRIAL TOOL SHARPENERS

DAREx
WORLD'S BEST SELLING INDUSTRIAL DRILL SHARPENERS

PRODUCT SELECTION GUIDE

Model	V-391	XT-3000I	XT-3000I-A	XPS-16+I	XPS-16+CCI
Ideal for	Shops that demand a precision sharpener at a value price that operates quickly and intuitively.	Shops that sharpen a variety of drill sizes and styles and want the advantages of a highly advanced manual drill and tool sharpener.	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.	Shops that demand the 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.	Shops that demand the precision and productivity of a fully automatic 4-Axis CNC sharpener. For customers that require work holding for straight flute, common and end mill shank drill bits as well as parallel shank drill bits. Also for those who need a simple solution to regrind and hone complex geometries on Carbide drills.
Usage	Light Duty, Intermittent Use	Heavy Duty	Heavy Duty, High Capacity	High Performance	High Performance
Grinding Capacity	3-19mm	3-21mm (21-30mm option available)	3-21mm (21-30mm option available)	3-16mm	2.5 – 16mm
Operation Mode	Manual	Manual	Semi-automatic	Automatic	Automatic
Angles Sharpened	118°–140°	118°–150° (90° option available)	118°–150° (90° option available)	90°–150°	90°–150°
Point Angle Styles Sharpened	Standard conic & split point	Standard conic & split point	Standard conic & split point	Standard conic, 4 facet, standard X, & radius split point	Standard conic, 4 facet, standard X, & radius split point
Machine Size	30 x 28 x 23 cm	51 x 51 x 41 cm	51 x 51 x 41 cm	66 x 56 x 30 cm	66 x 56 x 30 cm
Sharpening Wheel Included	Borazon (CBN) for HSS & Cobalt (Diamond for Carbide Optional)	Borazon (CBN) for HSS & Cobalt (Diamond for Carbide Optional)	Borazon (CBN) for HSS & Cobalt (Diamond for Carbide Optional)	Borazon (CBN) for HSS & Cobalt; Diamond with Hone Brush for Carbide	Borazon (CBN) for HSS & Cobalt; Diamond with Hone Brush for Carbide
Grit Removal System	Optional	Optional	Optional	Standard	Standard
Options Available	• 180-Grit Diamond Sharpening Wheel (for Carbide) • Tapered/Common Shank Diameter Chuck • Machine Cover • Vacuum • Stand	• 180-Grit Diamond Sharpening Wheel • 260-Grit Diamond Split Point Wheel • Auto Sharpening System • Tapered/Common Shank Diameter Chuck • Lg. Drill Attachment (21-30mm) • Left-Hand Chuck (3-12mm) • Left-Hand Chuck (12-21mm) • Countersink Attachment* • Brad Point Attachment* • Step Drill Attachment* (*XY Table Required for above accessories) • Machine Cover • Vacuum • Stand	• 180-Grit Diamond Sharpening Wheel • 260-Grit Diamond Split Point Wheel • Lg. Drill Attachment (21-30mm) • Left-Hand Chuck (3-12mm)* • Left-Hand Chuck (12-21mm)* • Tapered/Common Shank Diameter Chuck* (*Manual Sharpening Fixture Required for above) • Countersink Attachment* • Brad Point Attachment* • Step Drill Attachment* (*XY Table Required for above accessories) • Machine Cover • Vacuum • Stand	• ER 11 Mini Collet Set • 260-Grit Diamond Wheel • 320-Grit Diamond Wheel • 120-Grit Silicon Carbide Hone Brush • 240-Grit Diamond Hone Brush • Machine Cover • Stand	• 260 – Grit Diamond Wheel • 320 -Grit Diamond Wheel • 120-Grit Silicon Carbide Hone Brush • 240-Grit Diamond Hone Brush • Machine Cover • Stand

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WORLD'S BEST SELLING INDUSTRIAL DRILL SHARPENERS

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