

AUTOMATED TOOL SHARPENING FROM THE PROVIDER YOU TRUST

Sharpening your punch press tooling is simpler and faster than ever with the innovative XSharp™ grinder from Wilson Tool International.

The benefits of accurate regrinding include:

- Burr-free, quality parts straight off the punch press
- Longer tool life for reduced tooling costs
- No scrapped or wasted sheets due to tooling malfunction
- Reduced wear on your punch press

Scan QR Code to
See XSharp™ in Action



SHARPENING CASE STUDY OF A 4,000 HIT PART RUN

	CASE #1	CASE #2
Sharpening Frequency	One Time 4,000 hits	Two Times 3,000 hits then 1,000 more hits
Tooling Removed by Sharpening	.019" [.48mm]	1st: .008" [.20mm] 2nd: .001" [.03mm]
Tooling Wear Observations	Over twice the material removed with over half the wear in the last 1,000 hits	Proactive punch maintenance can reduce tooling consumption by more than 50%
Total Parts per .250" Grind Life	52,600	110,800



5 EASY STEPS TO A SHARPER EDGE



Step 1.
Load tool into chuck



Step 2.
Set tool style



Step 3.
Set tool size



Step 4.
Set grind amount
(in increments of
0.001" or 0.01mm)



Step 5.
Touch start button
to sharpen the tool

XSHARP™ GRINDER

Fully Automated Grinding Process

- Simple to operate and requires no previous grinding experience.
- Touchscreen controller has user-friendly multi-language interface for easy operation. Interface language can be selected during machine setup.
- The automated height detection feature automatically locates the top of any tool mounted in the chuck before the grinding cycle begins.
- Automatic grinding wheel wear compensation makes up for any grinding wheel wear.

Suitable for Most Tooling Styles

With a flexible range of chucks and adapters, XSharp can be used to sharpen most punch press tooling styles.

Precision

XSharp uses an AC-servo motor driving a precision gear and ball screw with dual linear guides and four carriers to provide highly stable bearing properties.

Shear Grinding

Punches with shears can be sharpened using the included XSharp shear grinding chuck.

Coolant

Equipped with a powerful closed coolant system, XSharp ensures the tool is constantly flooded with coolant during the grinding process.

Interlocking Safety Guard

XSharp is equipped with a safety guard that opens and closes automatically.

Frame

The machine has a heavy-duty cast-iron frame for durability, stability and long life.

Small Footprint

The small footprint of XSharp means the machine can easily be placed next to the punch press.

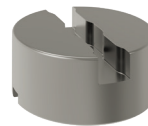
Learn more about the XSharp grinder online at wilsontool.com/xsharp.

XSHARP ACCESSORIES

DESCRIPTION	CAT. NO.
Grinding Wheel	55109
Coolant	55367
Dressing Stone	55117

SHARPENING ADAPTERS

HP DuraBlade® Punch
(Cat. #6933)



EXP® Punch
(Cat. #6990)



TECHNICAL SPECIFICATIONS*

MACHINE HEIGHT	77.2" (1962mm)
MACHINE WIDTH	31.5" (800mm)
MACHINE DEPTH	30.7" (779mm)
MACHINE WEIGHT	992 lbs./450kg
MAXIMUM TOOL DIAMETER	6.3" (160mm)
MAXIMUM TOOL HEIGHT	9" (230mm)
POWER SUPPLY	230/460V, 60Hz
AIR PRESSURE SUPPLY	6 bar
GRINDING MOTOR POWER	3HP/2.2 kW
WHEEL ROTATION SPEED	2800 rpm
TABLE MOTOR POWER	.24HP/.18 kW
TABLE ROTATION SPEED	40 RPM
COOLANT PUMP POWER	.21HP/0.16 kW
COOLANT PUMP WATER FLOW	Max. 11.5GPM/40 l/min

Note: Adapters may be required for some ranges of Trumpf-style tooling. Contact our tooling technicians for more information.

Wilson Tool International reserves the right to change machine specifications without prior notice.

For more information, visit wilsontool.com/punching, call our tooling technicians at 800.328.9646 or contact your sales engineer.

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