

"The Sharper Edge"®

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New NOgrind™ side trimmer reduces sharpening cost by at least 50%. And that's not all.

Pardon us while we brag. But we've really got something here for the steel industry—a side trimmer that

- doesn't need regrinding
- can be sharpened in a fraction of traditional grinding time
- delivers a cutting surface that averages 10–12 RMS instead of the traditional 32–40
- is actually two side trimmers incorporated into one
- yields an edge that is literally as good as new after it's been resharpened

There's no smoke and no mirrors here,
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Dan Herrmann surrounded by Kinetic's new NOgrind side trimmers. Call Dan with your order—he's ready and waiting.

ORBITAL SAW is now the sole distributor of Spear & Jackson saws in the U.S.



If you're looking for the best circular hot and friction saws from 42–84" in diameter, we've got them. As of the writing of this article, ORBITALSAW

is exclusively importing, warehousing, and distributing these Spear & Jackson saws throughout the United States.

Spear & Jackson, the oldest saw-maker in the world and the largest producer of industrial saw blades in the United Kingdom, has earned a world-wide reputation for manufacturing consistently high quality tools. With over 200 years experience in saw making, this reputation is not surprising.

Research & development

Before 1960, saw blades were toothed circles of low quality boiler plate steel—prone to cracking and rapid tooth wear. In the 1960s, Spear & Jackson set out to solve these two problems and after much research, their engineers developed a hot saw blade with a tough, shock resistant body and harder teeth.

Although Spear & Jackson originally designed its circular saws for cutting hot steel, improvements in machine design and production techniques opened the market for these saws. Under these conditions, the saws could friction saw cold steel. The product line then grew to include saws used with and without coolant, in coarse to fine

tooth pitches with flame hardened teeth or standard hardened body.

For cutting carbon and alloy steels—billets, rails, bars, structural members, and slabs

Three types of friction and hot saws are available:

1. Swaged
2. Flat ground
3. Hollow ground

All three styles are available with either hardened body (EN9) or flame hardened tooth (EN14B) materials. Compared to conventional saws, Spear & Jackson flame hardened saws deliver longer life between resharpenings.

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just good design and Kinetic ingenuity supported by superior materials. Here's how it works.

1. The new NOgrind side trimmer is sharpened by hard turning. This protects the metallurgical structure of your blade. The heat of regrinding burns the edge of the side trimmer. And as that localized annealed area rehardens, the structure of the tool steel changes, softening the blade's edge. Hard turning, on the other hand, being a cold process, doesn't change the steel's structure—you get a blade that is literally as good as new.

2. Hard turning substantially reduces your sharpening costs—no more lengthy grinding. Because of the design of the NOgrind side trimmer, you hard face only a small surface of the side trimmer, not the

entire surface of the blade. The result? Resharpener takes only 2–4 minutes, and your sharpening costs plummet.

3. You get two side trimmers in one. The two grooved side trimmer is designed with a second edge built right into the blade. The NOgrind side trimmer has grooved rings running concentric to the edge. After the side trimmer's first edge has been faced as far as it can, you trim off the remaining portion up to the first groove. Now you have brand new cutting edges—your side trimmer is just a smaller diameter.

4. The NOgrind side trimmer is easy to install and use because there's no need for shimming it. Since the hub thickness never changes, you don't need to shim it as it is resharpened.

5. The NOgrind side trimmer dramatically improves your cutting performance. Hard turning the NOgrind side trimmer creates a smoother surface which reduces friction during cutting. How smooth? 10–12 RMS, not the usual 32–40 produced by grinding. So your cuts are cleaner and your side trimmers last longer.

Kinetic can provide you with in-house instruction in sharpening the NOgrind side trimmer or you can send your blades to a local machine shop for resharpening. Kinetic will provide you with the technical information you need for the resharpening process.

Your benefits?

- A better cut
- Longer tool life
- Overall savings in the life of the tool
- Resharpener in a fraction of the time
- Easier installation
- Reduced resharpening costs

If we sound proud, we are. The patent is pending on the NOgrind side trimmer, and we are excited about what this product will do for the steel industry.

Call us and we'll tell you more about the NOgrind side trimmer. It's just another example of Kinetic's ingenuity in creating innovative products. Look for lots more.

The name NOgrind and its logotype are trademarks of The Kinetic Co., Inc. Patent Pending.

Spear & Jackson *(Continued)*



Spear & Jackson smithers practice their age-old craft to bring you some of the finest knives available on the modern market.

Made of molybdenum tungsten vanadium steel, these saws are far superior to the competition's chrome vanadium saws. The Spear & Jackson alloy is harder than conventional saws

but it retains its toughness and resists the stresses of high operating speeds.

What else can we tell you about these exceptional saws?

- They keep their edge because of Spear & Jackson's closely controlled heat treating.
- The teeth are precisely milled and sharpened so that each plays an equal role in cutting.
- All saws are precisely ground and balanced. They are flattened and tensioned with great care. The result? The accuracy of their cut is second to none at peripheral speeds of 14,000–25,000 feet per minute.
- Whether the blade is running slowly or at top operational speed, side error is guaranteed to be less than the tolerance laid down by the British Standards Institute.

We at Kinetic are proud that our sister company, ORBITAL SAW, can bring these fine circular saws to the U.S. steel market. We feel that their great advantage is the same that Microblade products give the paper market: the combination of age-old hand craftsmanship and the best of modern technology. If you want to know more, give us a call.