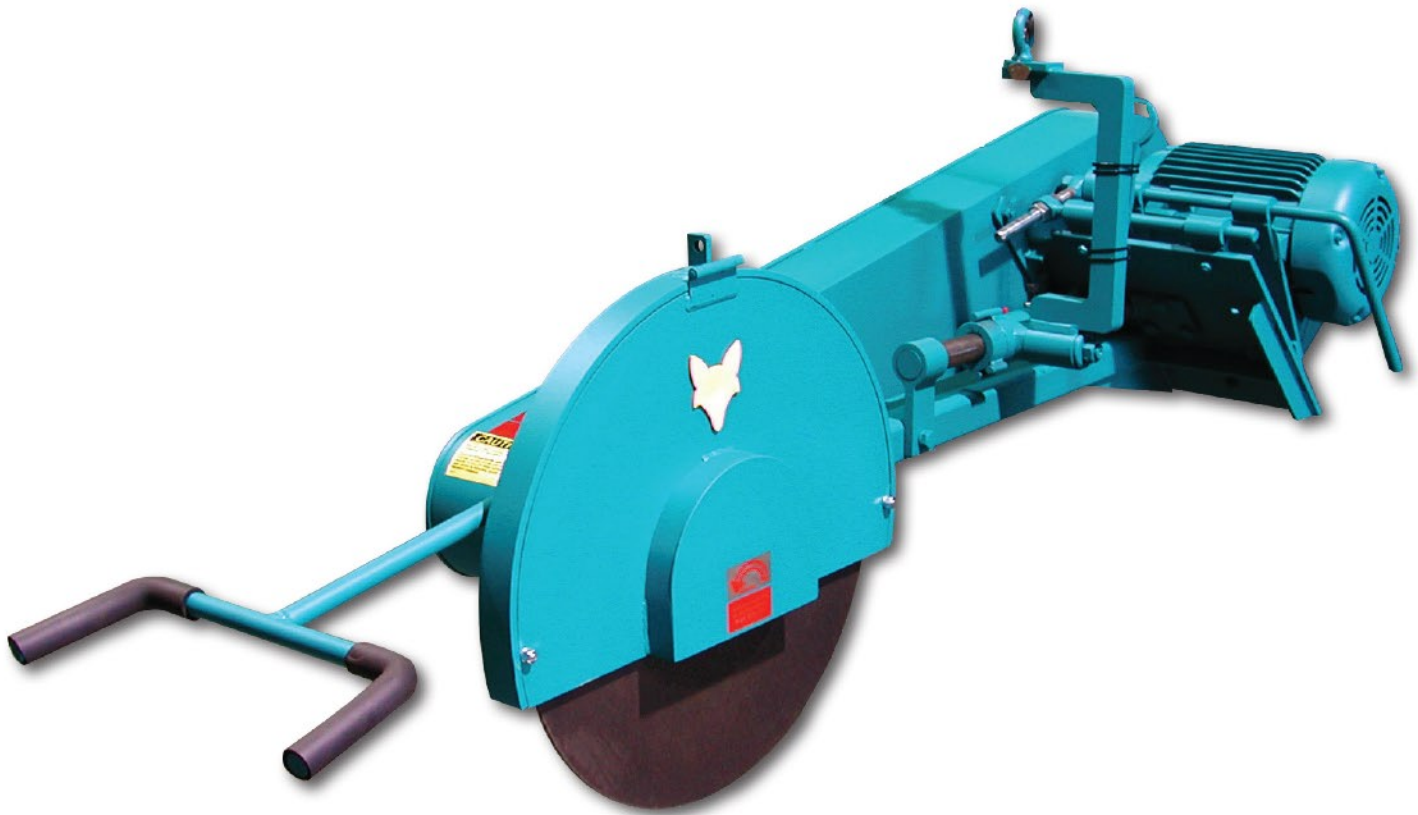




SWING FRAME CUT-OFF MACHINES



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SWING FRAME CUT-OFF MACHINES

Our high-speed cut-off machines are a fast and economical means for removing gates and risers from castings. The swing frame design allows a full 90° swing clockwise and 75° swing counterclockwise. The handlebars can be raised or lowered, shortened or lengthened. Our cut-off machine utilizes a standard sealed for life, warranted **Fox**® spindle. An option allows the swing frames to be mounted on a casting table and utilized as a chopper.



Fox® 2C

Wheel Size	30in (762 mm)
Wheel Type	Straight (standard) Depressed Wheel (on request)
Wheel Speed	14,200 SFPM at 30in
Motor	30HP (22 kW)
Power	Two-speed Pulley Drive
Weight	1,130 lbs (513 kg)



Fox® 4C

Wheel Size	24in (610 mm)
Wheel Type	Straight (standard) Depressed Wheel (on request)
Wheel Speed	14,200 SFPM at 24in
Motor	25HP (19 kW)
Power	Two-speed Pulley Drive
Weight	950 lbs (431 kg)



Fox® 6C

Wheel Size	20in (508 mm)
Wheel Type	Straight (standard) Depressed Wheel (on request)
Wheel Speed	14,200 SFPM at 20in
Motor	20HP (15 kW)
Power	Single-speed Pulley Drive
Weight	600 lbs (272 kg)



*Features and options subject to change without notice

Fox® swing frame cut-off machines remove gates and risers from castings or can separate castings tied together with runner systems. When gates or risers are on flat surfaces, cuts can be made very close to the casting eliminating the need for additional grinding. Table and post mounted Cut-Off Machines can be utilized for small parts that can be handled by the operator. For larger parts the swing frame machines are recommended. Fixturing is recommended to hold the casting securely while cutting. The proper use of fixturing will also result in closer, straighter cuts.



CASTING
Before cut-off



CASTING
After cut-off

STANDARD FEATURES

- Sealed for life Fox® spindle
- Shaft is made of high strength alloy steel
- Threads on shaft are acme threads providing resistance to dirt buildup and they are less prone to damage as compared to standard "V" threads.
- Fox® exclusive hanger system allowing ease of movement when aligning or cutting
- Each machine is individually balanced
- Fox® exclusive belt changing system for use with the two speed drive.
- Pulley centers are the same for each step of the two speed drive, no belt adjustment is required.
- Motor is mounted using a cam arrangement; belts can be loosened or tightened in just a few seconds.

ADDITIONAL OPTIONS

Electrical Package

Recommended that the starter be mounted on a nearby column or wall with easy access. Mounting on the machine itself is optional. Push button is mounted on the wheel guard or handlebars where it is convenient to the operator.

Heavy-Duty Casting Table

This unit is designed to secure the swing frame cut-off machine on a table for use as a chopper. The unit includes a guide and pin support on the table, a rectangular duct under the table with a clean out door on the front of the table.

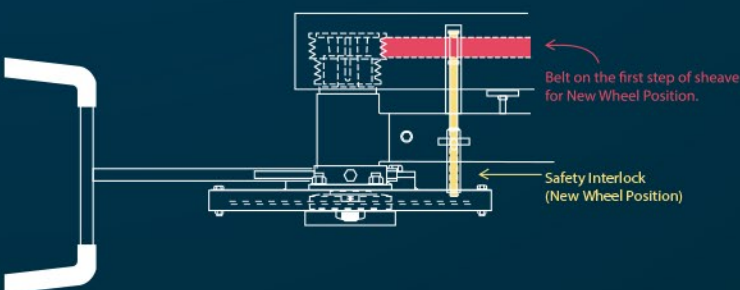
A spark deflector is included to guide the spark stream into the takeout duct.



TWO-SPEED PULLEY DRIVE

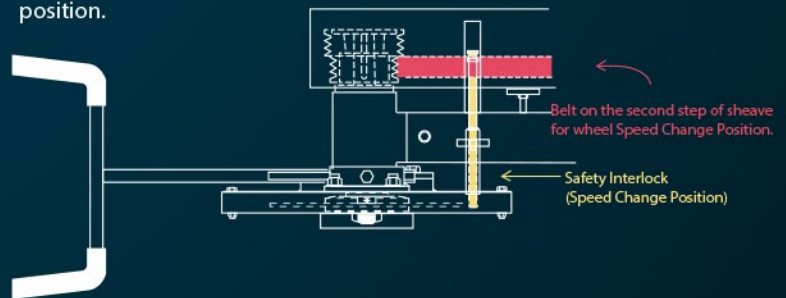
New Wheel Position

The machine is set up for the starting SFPM rate with a new wheel. The belts are on the first (outside) step and are contained by the end of the safety interlock. They cannot be moved to the second step because the interlock will hit the wheel if an attempt is made to move it.



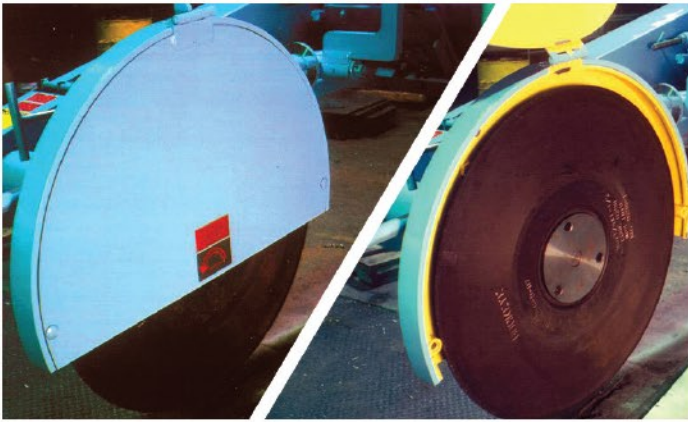
Worn Wheel/Speed Change Position

Once the wheel has worn to the "Speed Change Size," the interlock can be moved and the belts can be transfer to the second (inside) step, increasing the RPM and recovering the starting SFPM for improved efficiency. When the wheel is completely worn out, the sequence is reversed. A new wheel cannot be mounted until the interlock is moved back to the new wheel position.



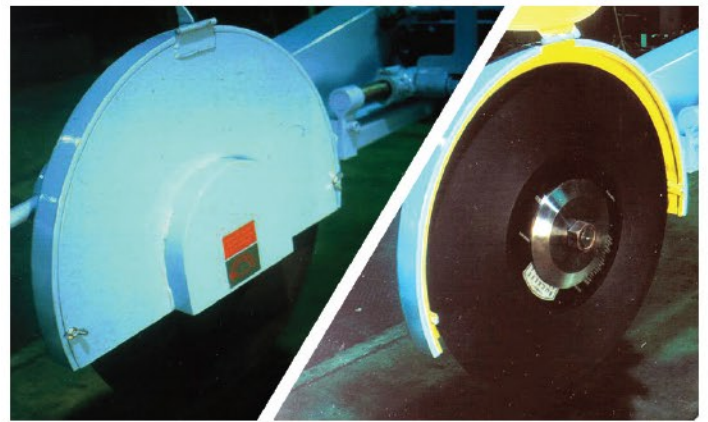
Fox® swing frame cut-off machines are a fast and economical way to remove gates and risers from castings or to separate castings tied together with runner systems. When gates or risers are on flat surfaces cuts can be made very close to the casting eliminating the need for additional grinding. Table and post mounted Cut-Off Machines are generally used for small parts that can be handled by the operator. For parts with larger gates, fixturing is recommended to hold the casting securely while cutting. The proper use of fixturing will also result in closer, straighter cuts.

WHEEL TYPES



DEPRESSED CENTER CUT-OFF WHEEL

Recommended when risers or gates are located on a large surface where the standard wheel nut and guard may interfere.

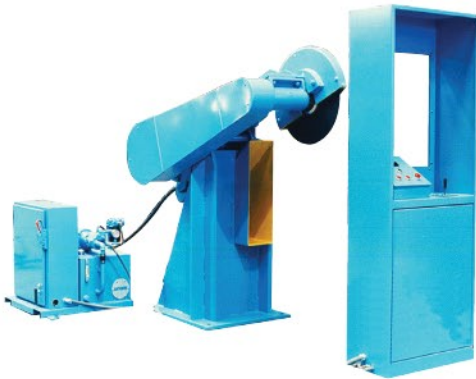


STRAIGHT CUT-OFF WHEEL

Recommended for most cutting where access to the gate or riser is not restricted.

ADDITIONAL EQUIPMENT

Vulcan Engineering Co. and **Fox®** provide Post-Mounted and Table Mounted Cut-Off Machines as well as casting positioners, floor and swing frame grinders, material handling equipment, automated solutions and complete cleaning room systems.



POST CUT-OFF MACHINES



TABLE CUT-OFF MACHINES



CASTING POSITIONERS

Scan the Code

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For more information, images and videos on **Fox®** Cut-Off Machines visit our website and enter the address below:
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