

HIGH-PERFORMANCE  
CIRCULAR SAW

# P Series



**exactcut**  
high performance circular saws

***P-series***  
***Productive. Powerful. Compact***  
*High-performance circular saw*

## Productive. Powerful. Compact

High-performance circular saw

### Compact and productive

ExactCut P series machines are powerful circular saws for cutting pipes. Thanks to the saw's innovative design, higher cutting power and longer operative life is achieved.

The material is clamped by jaws of an adjustable vice, hence is always centered to the saw blade. On machines of P series, the sawing happens from the bottom up.

Compared to other technologies, the P series machines avoid cutting chips collected on the tube sheet. This implies, the saws provide higher cutting performance for much longer service life of the blade.



Sawblade Size	Ø 320 - 560mm
Cutting capacity (all wall thicknesses)	Ø 10 - 155mm
Cutting capacity (to max. 10mm of wall thickness)	to Ø180mm
Blade Speed stepless adjustable	60 - 220 m.min <sup>-1</sup>
Restpiece length	70mm
Main drive power / optional	15kW
Cutting Feed	0-6000mm/min
Feeding Length	1500mm

### Mineral casting

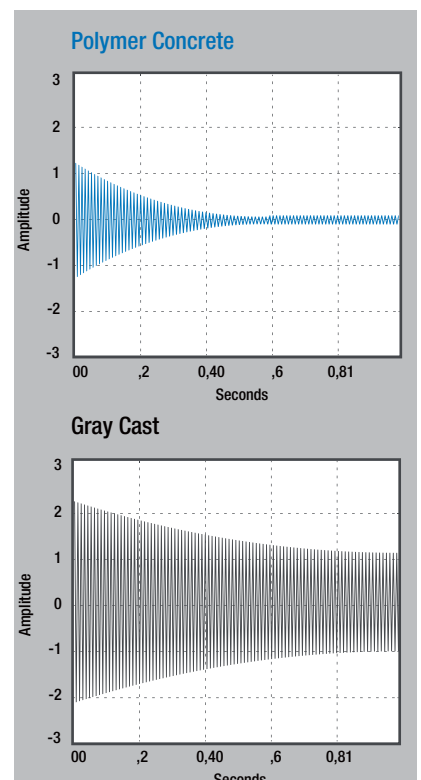
Vibration and its prevention is one of the critical aspects of the design and development of high performance circular saws. One of the best materials for vibration damping is known to be the mineral casting. Due to the very short vibration amplitude, significantly lower vibrations are achieved, on for example for gray cast iron.

In ExactCut sawing machines is targeted mineral casting used in the various components. Thanks to many years of experience with this material, ExactCut produces high performance circular saws with incomparably quiet run, which then increases the blade's life-span!



### Hydraulic power

The hydraulic unit is over-dimensioned and thus ensures a consistent ideal oil temperature even during continuous operation.



# Speed. Precision. Performance.

The high-end solution for cutting pipes



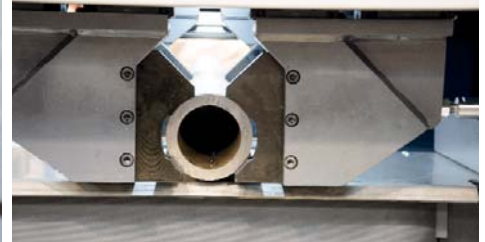
## Massive and resistant

The components of the P series machines are deliberately massively dimensioned to ensure durability in the guarantee period and over the entire period of use.



## Tight material clamping

Clamping system of the main vice and vice feeder is equipped with massive, interchangeable jaws.



## Centered clamping

The material is always centered and clamped, so it is always ideally positioned for the saw.



## Linear guidance and servo drive

The highly precise ball screw with an overdimensioned servo takes care of a feeder speed up to 60m/min.



## Detecting material by laser

Laser technology ensures accurate and fast material detection on the feed slide to allow the shortest cycle times.



## Micro spray cooling

A micro spray device equipped with triple nozzle ensures a perfect lubrication and cooling of the saw blade.



## Reliable, clean, quiet

All P series machines are equipped with a full cover to ensure work-safety.



## Modern control system

Modern, fast control unit with touchscreen allows uncomplicated control through dialogue system.

## The Individuality of High Performance High Performance Circular Sawing Solutions



### Sorting Devices

Several worksort sorting devices to handle the finalized workpieces after cut and connected processes.



### Raw Material Handling

Feeding systems from simple declined loading devices up to intelligent, chain type material magazines for infeed handling.

### Individually planned

The M-Series of High Performance Circular Sawing Solutions gives the possibility of individually planned, manless sawing center with different process steps after cutting.

Despite different sorting devices, there are several existing after-cut-stations available such as length measuring, weight control, demagnetizing, deburring, chamfering and much more.

The range of M-Series machines cover basic high speed circular saws for ferrous and nonferrous metals up to tailormade sawing solutions.

The M-Series of machines are fully open to customization for 100% adaption to the customers needs.



### Chamfering Units

High productive solution to integrate into fully automatic processing lines.



### Special Machine Ranges

From basic High Speed Saws up to machines capable of cutting two bars at once or huge sizes such as the MAC 205 model.