

**BEHRINGER**

## **Circular Cold Saws and Systems for every application**

Competence in Circular Cold Sawing Technology

**EISELE**



## „Classics“ in any workshop

### VMS – The Original

Manual + Semi-Automatic.

More than 250,000 machines sold world-wide are the basis for the VMS-series. The VMS should be part of every shop floor in the metal-working industry and maintenance.

- Easy to handle
- Suitable for any kind of steel
- Material clamping and feeding is possible by manual, pneumatic (PV) or hydraulic (VMS 400 H) operation
- Easy mitring with fixed stops

- Large-dimensioned gear unit with the unique EISELE rotation compensation feature for a long service-life of the saw blade
- Heavy machine base for vibration free cutting
- Integrated coolant system and swarf drawer

 VMS 350



 VMS 400 H



### VMS 400 H Hydraulically-operated semi-automatic saw

- Hydraulic quick-clamping devices with clamping pressure regulation feature for even higher cutting performance and increased saw blade life
- Fully hydraulic operated, continuously variable saw feed
- Easy stroke adjustment on saw unit
- Easy saw blade changing
- Combines high output with low space requirement (less than 1 m<sup>2</sup>)

### Optional

- Gear box with 4 speeds, also suitable for difficult to cut materials
- Micro spray system

 VMS 350 PV



### The semi-automatic machines for single cuts and small series.

With automatic saw feed and quick-clamping device for the material (optional with clamping pressure regulation feature), the semi-automatic models offer more operating convenience as well as a fatigue-free working for the operator.

A quick change of the saw blade is easily possible thanks to the large safety hood. The hydro-pneumatic saw feed can be adjusted infinitely.



 ELA-P

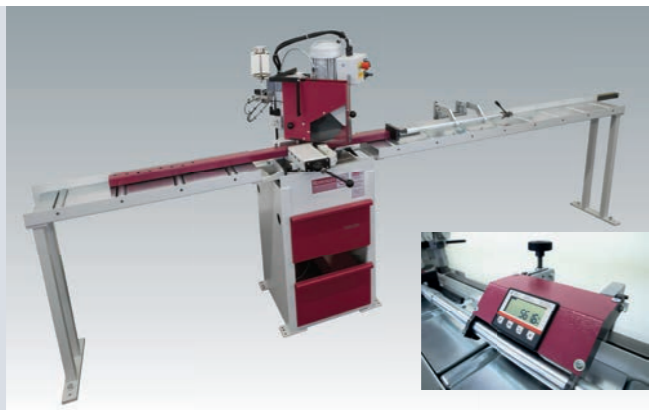
### Electronic length measuring system with feeding gripper

The electronic length measuring system ELA-P is equipped with an automatic feeding gripper. With this system, it is also possible to use a one-bar automatic cycle as well as simple measuring procedures.



# Measuring systems for our manual and semi-automatic VMS and PSU range saws

Increase the productivity of your Vertical Circular Cold Saw! For this purpose, BEHRINGER EISELE provides an extensive range of length measuring systems, from manual length stops to electronic measuring devices with digital pre-selection.



**Manual measuring device**  
Manual measuring device for easy positioning of the material. Ideal as an add-on for manual and small semi-automatic VMS machines. Available as analogue version or optionally with digital display of the measuring length. Arm retraction with impact damping manually controlled, optionally pneumatic.



**Electronic length measuring system MHK**  
Suitable for the VMS and PSU series, the MHK length measuring system is characterized by simple operation and precision. The length positioning is done by hand wheel, including digital display of the measuring length. Once in position, the measuring stop is pneumatically clamped to prevent displacement of the measuring length. Arm retraction with impact damping by pneumatic cylinder.



**Electronic length measuring system ELA**  
Is suitable for the VMS and PSU range. The positioning is done automatically by an electric motor. The measuring length is simply entered via the control unit. Arm retraction with impact damping by pneumatic cylinder.



**Electronic length measuring system with feed gripper ELA-P**  
The ELA-P is the combination of the electronic length stop ELA with an additional material clamping vice. This allows the ELA-P to be used as a length measuring unit or as a full-value feeding gripper. The positioning is done by electric motor. The measuring length or cutting length and number of pieces are programmed in the control unit.

## VMS-Automatic Saw

Easy operating features and a robust design for precise cuts make this saw a must-have when it comes to serial cutting of medium or large lot sizes.

- Material feed with flat guide and ball screw spindle for high-precision positioning
- Large-dimensioned cover hoods meet highest safety standards
- Easy to operate in automatic and manual operating mode
- Can be combined with roller conveyors
- 4 speeds as standard for machining almost any steel quality
- Both coolant and micro spray system standard



EISELE VMS 370 A

## Technical Data VMS

Model		VMS 300	VMS 350	VMS 370	VMS 400 H	VMS 370 A	VMS 400 A	
<b>Saw feed</b>					hydraulic	pneumatic	hydraulic	
<b>Material clamping</b>					hydraulic	pneumatic	hydraulic	
<b>Cutting range</b>								
<b>Flat</b>	<b>90°</b>	[mm]	120 x 75	170 x 100	200 x 100	200 x 120	200 x 100	200 x 120
<b>Flat</b>	<b>45°</b>	[mm]	80 x 75	120 x 100	140 x 100	140 x 120	140 x 100	140 x 120
<b>Flat</b>	<b>30°</b>	[mm]	60 x 75 <sup>1)</sup>	85 x 100 <sup>1)</sup>	100 x 100 <sup>1)</sup>	100 x 100 <sup>1)</sup>	100 x 100 <sup>1)</sup>	100 x 100 <sup>1)</sup>
<b>Square</b>	<b>90°</b>	[mm]	75	100	120 <sup>2)</sup>	120	120	120
<b>Square</b>	<b>45°</b>	[mm]	75	95	100	120	100	120
<b>Square</b>	<b>30°</b>	[mm]	60 <sup>1)</sup>	85 <sup>1)</sup>	90 <sup>1)</sup>	100 <sup>1)</sup>	90 <sup>1)</sup>	100 <sup>1)</sup>
<b>Round</b>	<b>90°</b>	[mm]	90	120	130	140	130	140
<b>Round</b>	<b>45°</b>	[mm]	90	120	130	140	130	140
<b>Round</b>	<b>30°</b>	[mm]	70 <sup>1)</sup>	100 <sup>1)</sup>	105 <sup>1)</sup>	110 <sup>1)</sup>	105 <sup>1)</sup>	110 <sup>1)</sup>
<b>Saw blade diameter</b>		[mm]	275	350	370	400	370	400
<b>Drive power</b>		[kW]	1.0 / 1.2	1.4 / 1.9	2.0 / 2.6	2.0 / 2.6	2.0 / 2.6	2.0 / 2.6
<b>RPM standard</b>		[min <sup>-1</sup> ]	40/80	17 / 34 - 34 / 68	17 / 34 - 34 / 68	17 / 34 - 34 / 68	8 / 16 / 32 / 64	8 / 16 / 32 / 64
<b>RPM optional</b>		[min <sup>-1</sup> ]	20/40	10 / 20 / 40 / 80	8 / 16 / 32 / 64	8 / 16 / 32 / 64		
<b>Weight approx.</b>		[kg]	190	330	460	620	600	740

<sup>1)</sup> Only to the right side

<sup>2)</sup> When using additional jaw