

# KSC 560-B



Entry-level machine for fully automatic complete machining of metal cutting circular saw blades incl. automatic grinding of chip breaker slots



- + Loading system with two stacks of finished and unfinished saw blades
- + Diameter Range of Grinding 130 – 560 mm, Chamfering 145 – 560 mm
- + Complete machining of HSS- and TK-saw blades in one clamping operation, including software for TK-saw blades
- + Automatic grinding of chip breaker slots of HSS- and TK-saw blades
- + Preparation for the use of cooling oil, incl. extinguishing system

“Due to the success of the KSC 710-T, we have responded to many customer requests: The advantages of the KSC 710-T in concentrated form – now as a compact entry-level machine.”

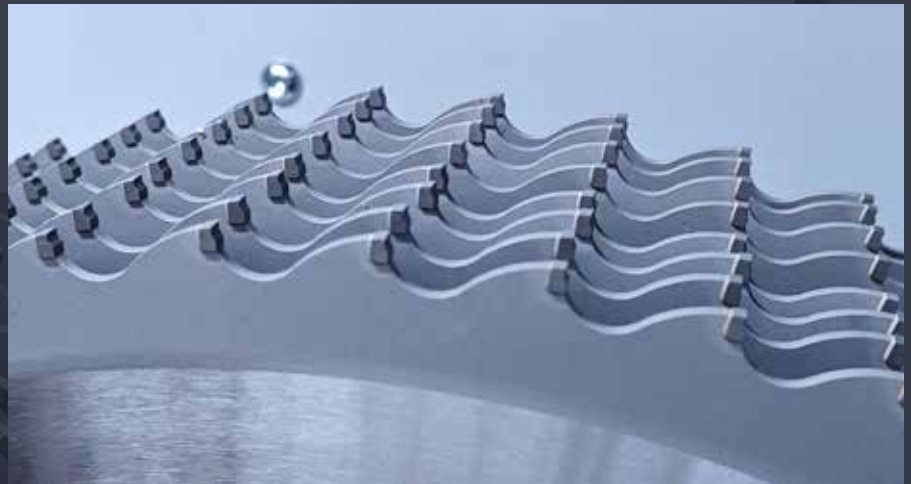
# Advantages of the KSC 560-B

## Fully automatic grinding

- + Sharpening, cutting off existing teeth, re-toothing, chamfering and cutting in of chip breaker slots

## Load capacity

- + approx. 40 saw blades



## Short non-productive and grinding times

- + Magazine loading without requiring sorting
- + Easy programming - can be done during grinding
- + Desired hook and clearance angles adjusted quickly and easily
- + No need to wipe dry the finished saw blades due to vertical loading plus no waste of oil

## High reliability and excellent grinding quality

- + Easy and proven construction principles
- + Rigid machine, low-vibration direct drive grinding spindle, CBN-abrasive grinding and optimal cooling and coolant filtration
- + Optimally matched peripheral units and consumables (from one source !)
- + Integrated internet connection for remote Diagnostics with optional alarm management

## Machine for the use of cooling oil

## Low space requirement

## Advantageous price-performance ratio

Machine	Ø-Range	Chipbreaker Slots	No. of Stacks	Additional Options	Flexibility
Evolution K850-M	40 – 850	✗	2	✓	+
<b>KSC 560-B</b>	<b>130 – 560</b>	✓	<b>2</b>	✗	<b>++</b>
KSC 710-T	40 – 710	✓	3 – 6	✓	+++

# User-friendly stack programming

The screenshot displays the Lorch software interface for stack programming. At the top, there are several icons representing different tool types and operations. Below this is a table with 17 rows, each representing a stack operation. The table columns include operation number, diameter (520), depth (2.7), width (120), tool type (1/1), and various parameters like -20, 10, 13.61, 0, 1/3, 0.5, 0.25, and 1. The total time for the stack is 62h 33min 00sec. At the bottom, there is a control panel with input fields for parameters and icons for tool selection. A vertical toolbar on the right side contains various icons for system control and tool management.

## Optional equipment



HM- and HSS-Filter

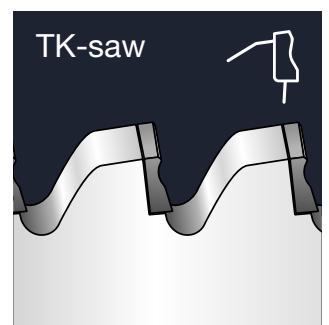
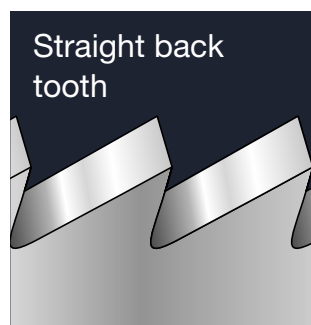
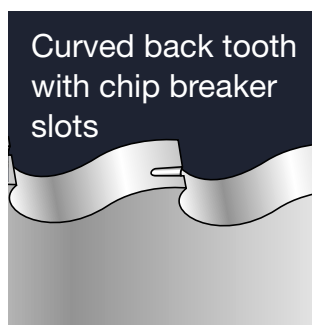
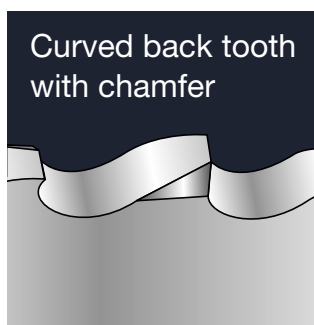


Polar 2.9 with HM- and HSS-Filter



Electrostat 120

## Examples of tooth shapes



# Technical data

## Working range

Saw Blade Grinding	Ø 130 – 560 mm
Saw Blade Chamfering	Ø 145 – 560 mm
Cutting in chip breaker slots HSS- and TK-saws	Ø 200 – 560 mm, thickness $\geq$ 1,6 mm
Tooth pitch	1 – 55 mm
Tooth height	max. 17 mm
Number of teeth	2 – 998
Saw blade thickness	up to 8 mm
Magazine loading capacity	max. 40 saw blades

## Grinding wheels

CBN or DIA	Ø 200 mm (14F1)
Bore size	Ø 32 mm

## Cooling

Coolant pressure	approx. 8 bar
Coolant type	oil
Coolant quantity	350 l

## Electrical installation

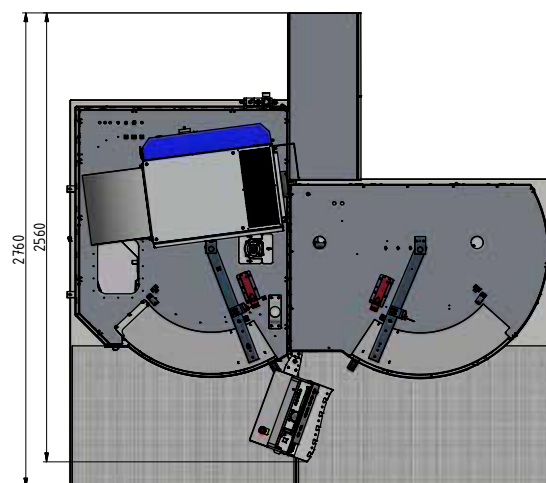
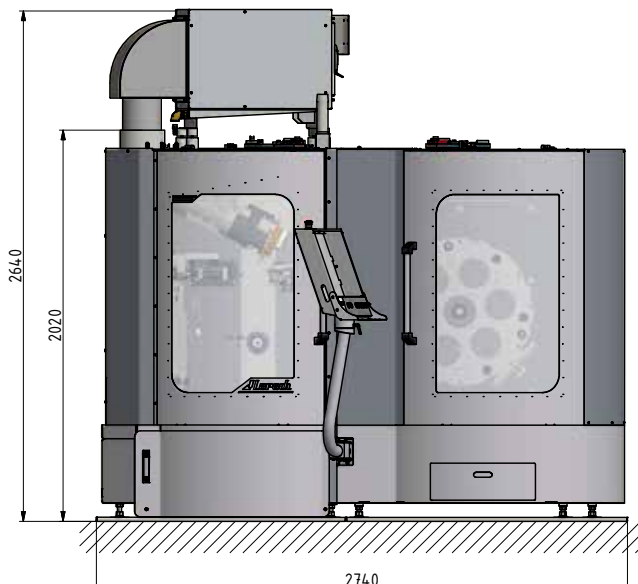
Grinding motor power	3 kW
Machine input power	10 kVA

## Weight

net	approx. 3200 kg
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## Dimensions (W x D x H)

Machine	2740 x 2560 x 2020 mm
Height with air extractor (oil)	2640 mm
Required door opening size for transportation (W x H)	1750 x 2100 mm



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