

# CHENGDU MANUFACTURED D&C TECHNOLOGY CO., LTD



**INNOVATIVE ULTRA HARD TOOLS**

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**MDC**

## Company Profile

- ◆ Located in Chengdu, founded in 2015,formerly has emerged as a leading manufacturer and supplier of CBN material ,which is used for producing grinding wheels, sanding belts and whetstones since 1988.
- ◆ Based on that, along with hard working, we have also developed CBN/PCBN and PCD cutting inserts used across a variety of industries and have since proven themselves as effective replacement for conventional cutting tools.
- ◆ Our innovative ultra hard tools can be highly efficient and cost saving.
- ◆ MDC has been devoted itself in ultra hard tools line, and will always supply good service and excellent quality.

# Application

**MDC ultra hard tools can be used in following industry:**



- ◆ Foundry
- ◆ Machining
- ◆ Ceramic
- ◆ Building & Construction
- ◆ Ship building & repair
- ◆ Tools and abrasive tools manufacturing
- ◆ Stone processing
- ◆ Energy
- ◆ Plastics processing
- ◆ Composite material processing



# RECOMMENDED CUTTING SPEED

<b>Diameter(mm)</b>	<b>Speed Suggested (rpm)</b>	<b>Max. Speed (rpm)</b>
100	9000	15000
125	7200	12000
150	6000	10000
180	5100	8700
230	3900	6600
350	2600	5500
400	2300	3800

## MDC INNOVATIVE ULTRA HARD CUTTING TOOLS

Photo	Type	Size(mm)
	MS150I03	150*22.23*1.2
	MS180I03	180*22.23*1.6
	MS230I03	230*22.23*1.8
	MS350I05	350*32*2.0
	MS400I05	400*32*2.2

## METAL PROCESSING



## Application Case

	<i>Resin bond blades</i>	<i>MDC ultra hard saw blade</i>
<b>Workpiece</b>	<b>Casting riser</b>	<b>Casting riser</b>
<b>Lifetime (cm<sup>2</sup>)</b>	<b>7000</b>	<b>21000</b>
<b>Efficiency (s/c)</b>	<b>35</b>	<b>25</b>

# MDC INNOVATIVE GRINDING WHEELS



Type	Size(mm)
MW100I07	100*22.23*3
MW125I07	125*22.23*3
MW150I07	150*22.23*3
MW180I07	180*22.23*3



Type	Size(mm)
MW100I08	100*22.23*3
MW125I08	125*22.23*3
MW150I08	150*22.23*3
MW180I08	180*22.23*3



Type	Size(mm)
MW100I09	100*22.23*3
MW125I09	125*22.23*3
MW150I09	150*22.23*3
MW180I09	180*22.23*3

## Application Case

	Resin bond Grinding Wheels	MDC ultra hard Grinding Wheels
<b>Workpiece</b>	Cast-steel surface	Cast-steel surface
<b>Lifetime (cm<sup>3</sup>)</b>	500	12500
<b>Efficiency (s)</b>	30	20

## METAL Processing



# MDC INNOVATIVE ULTRA HARD CUTTING TOOLS

## STONE PROCESSING



Type	Size(mm)
MS100I01	100*20*1.2
MS115I01	115*20*1.2
MS125I01	125*20*1.2
MS130I01	130*20*1.2



Type	Size(mm)
MS100I02	100*20*1.2
MS115I02	115*20*1.2
MS125I02	125*20*1.2
MS130I02	130*20*1.2

## Application Case

*Sintered saw blade*

*MDC diamond saw blade*

**Workpiece**

**Marble**

**Marble**

**Lifetime (m<sup>2</sup>)**

**200**

**600**

**Efficiency (s/c)**

**35**

**25**



Type	Size(mm)
MS100I03	100*20*1.2
MS115I03	115*20*1.2
MS125I03	125*20*1.2
MS130I03	130*20*1.2

## MDC INNOVATIVE GRINDING WHEELS



Type	Size(mm)
MG100I01	100*16*1.5



Type	Size(mm)
MG100I02	100*16*1.5



Type	Size(mm)
MG100I03	100*16*1.5
MG115I03	115*16*1.5



Type	Size(mm)
MG100I05	100*16*1.5



Type	Size(mm)
MG100I06	100*16*1.5
MG115I06	115*16*1.5
MG125I06	125*16*2.0

## Application Case





	Resin bond Grinding Wheels	MDC ultra hard Grinding Wheels
Workpiece	Mable	Mable
Lifetime (cm <sup>2</sup> )	5000	15000
Efficiency (s)	26	20

## STONE PROCESSING





## MDC INNOVATIVE ULTRA HARD CUTTING TOOLS

Photo	Type	Size(mm)
	MS350I06	350*32*2.4
	MS400I06	400*32*2.6
	MS350I07	350*32*2.4
	MS400I07	400*32*2.6

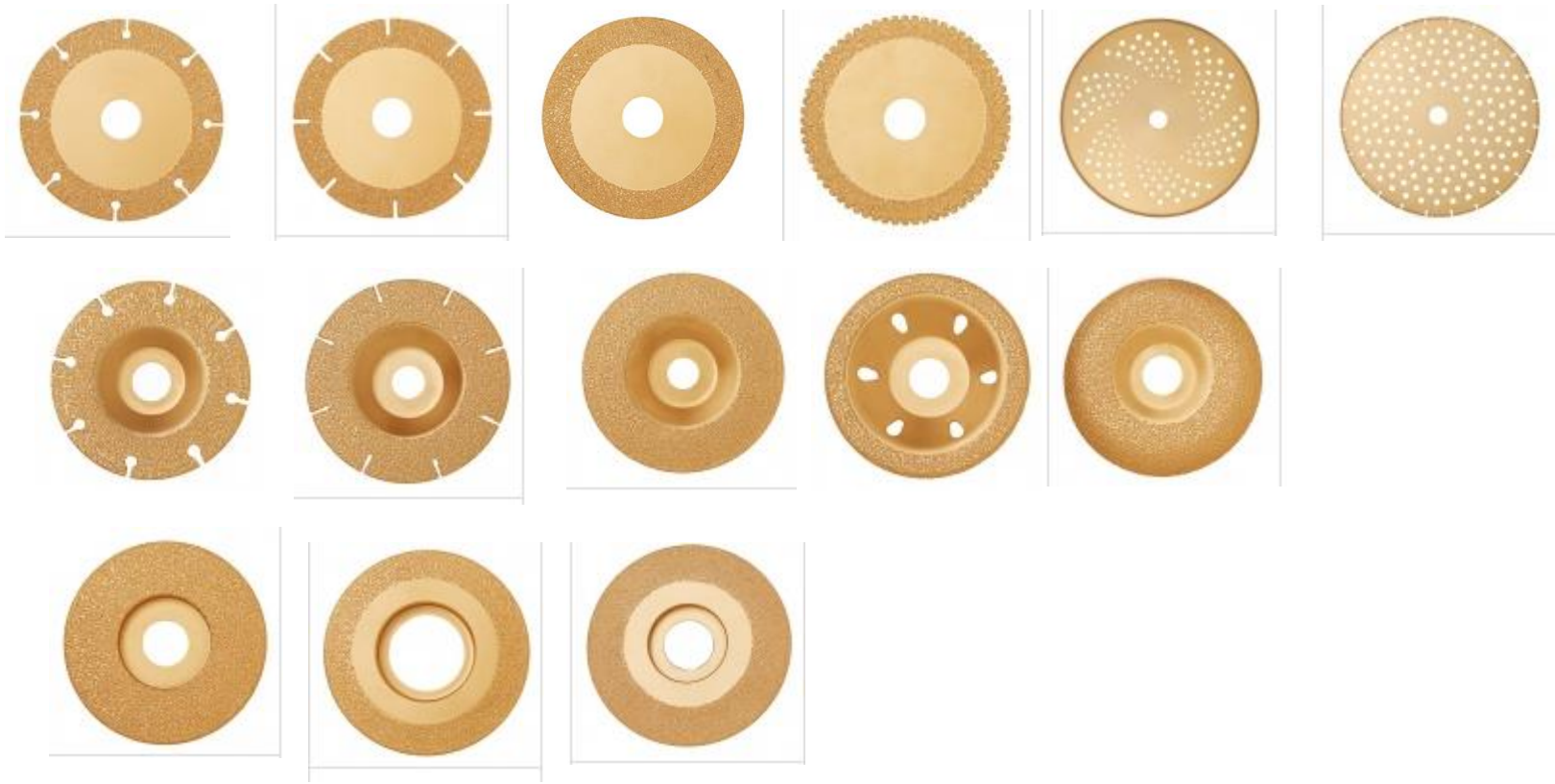
## COMPOSITE MATERIAL PROCESSING



## Application Case

	<i>Resin bond blades</i>	<i>MDC ultra hard saw blade</i>
<b>Workpiece</b>	<b>Concrete with rebar</b>	<b>Concrete with rebar</b>
<b>Lifetime (m<sup>2</sup>)</b>	<b>2.4</b>	<b>200</b>
<b>Efficiency (s/c)</b>	<b>35</b>	<b>10</b>

Our tools can be used in many lines widely, and can be customized as requirements.



Before you used any of our tools, please check the use and notes first.